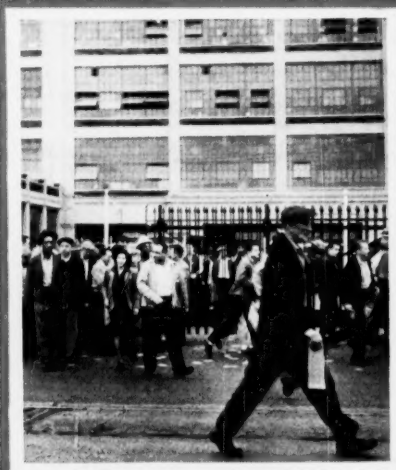
Chemical Week

November 17, 1951 Price 35 cents

IN TWO PARTS • PART ONE





Three unions vie for chemical workers; results: "raiding," and no solid front—yet ..... p. 13

Industry will soon "mine" atomic dump heaps, cash in on low-cost radiation ..... p. 29

Don't underestimate plastics equipment; it's coming up fast, doing many jobs ..... p. 37

New chemicals, new formulations will sharpen weed-killer competition; targets: cotton, legumes p. 45

It's legally OK to boost many prices; but ample stocks, fight for sales, curb hikes ..... p. 59

A McGRAW-HILL PUBLICATION

"Hole in the dike!"



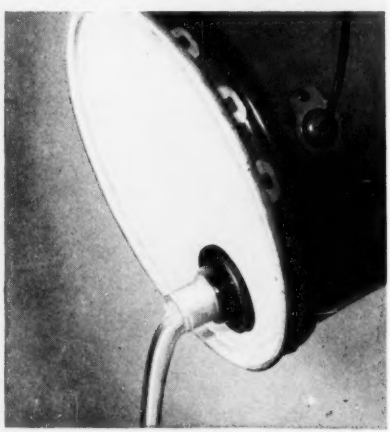
Legend praises the courage of the little Dutch boy who plugged a leak in the dike with his arm until help arrived.

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Chemical Week

Volume 69 Number 20
November 17, 1951

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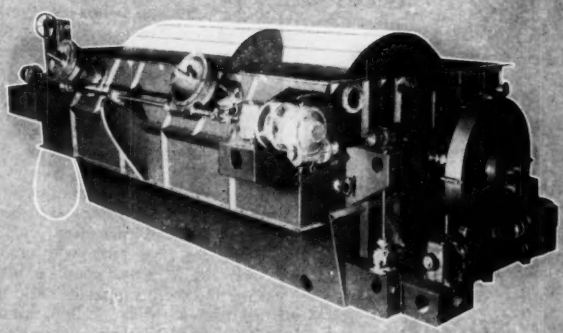
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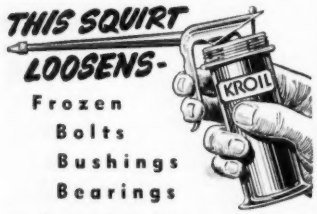
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OPINION . . . . .

The Coming Squeeze

It takes nothing more than a casual glance at third quarter earnings to see that chemical companies are being pretty badly buffeted by the tax collector. The tax bite is big—and it's apparent. Thus it's easy to jump to a simple conclusion: the "new taxes" are responsible for the sharp dip in corporate earnings.

It's true enough that taxes are a big factor. But there's another, less obvious but just as serious profit curb. And that's the pressure rising costs are putting on the industry.

Actually, the squeeze has just begun. Within the next few months, however, it will worsen; by next summer it will be of major proportions. This, in our opinion, is what you can expect, should anticipate now:

We shall have to get set to meet another surge of inflation—and a kind that the chemical industry is going to find far from comfortable. It won't be the old "too-much-money-chasing-not-enough-goods" brand of inflation; rather, it'll be the "cost-push" variety —wages and other industrial costs going up well *before* prices rise.

In spite of all the howls about inflation, almost anyone will admit—if he's forced to—that post-Korea inflation was not too rough on business. In most cases businessmen managed to get prices up before costs soared. Or, as was the case with wage increases during the period, prices at least moved up at about the same time costs rose. Too, in general, business volume boomed.

The prospects now are different, very different. The cost of doing business is going to push on upward—wages, raw materials, transportation—and at a time when legal controls will largely forestall price rises.

The first big push will probably come within the next couple of months when the steel companies settle wage negotiations with Philip Murray's United Steel Workers. The odds are that industry will have to follow the wage pattern set down by steel. That, at least, is in line with the post-war record.

This then is the prospect: rising wages, rising taxes, a steady but moderate increase in raw material and transportation costs. And all this at a time when it will be difficult, if not impossible, to hike chemical prices.

That doesn't make for a particularly cheerful outlook. Nonetheless, it isn't exactly cheerless. Chemical production is booming, corporate profits are healthy.

But this is evident: It is essential to recognize now that the squeeze is coming. And that makers of heavy, basic chemicals plan ahead for pared profit margins and (1) consider upgrading product lines; (2) appraise production practices to take advantage of the newest, most economical techniques and equipment; and (3) invest in research to develop new, longer-profit items.

Any chemical concern blithely overlooking those roads to profit faces a cheerless future.

—**W. Alec Jordan,** *Editor.*



POURING WAX: It's upside down.

Smooth Pouring

To The Editor: In your article "Waxing with Shellac" (Chemical Week, October 27, 1951, page 35) you illustrate a pretty young lady pouring wax from a can. As you can clearly see, the wax is slopping all over the can and floor. (See cut)

So many people are unaware of the proper way to pour from a full can that we recently illustrated this in a copy of our company magazine "Bright News." We are sending you a copy of this magazine with the thought that you might wish to pass on to your readers this simple example of how smooth pouring can be accomplished.

Charles Butcher, 2nd
The Butcher Polish Co.
Boston, Mass.

Reader Butcher (whose company, incidentally, pioneered floor wax manufacture in the U.S.) gives his dealers these instruction: "To pour wax from



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Winterizing recalls the time Davy Crockett climbed Daybreak Hill. Found the earth froze fast on her axis; sun congealed in his own sweat. So Davy took a ton of bear oil; worked it in his hands 'till it melted over sun's face and earth's axis. Then he give earth's cogwheel a backward kick to loosen the sun. Earth grunted and started to turn. Dawn broke late but mighty beautiful that January morning.



to Fabulous Fact

We've speeded things up some since Crockett's time; shoved the North Pole closer to the equator; made adequate lubrication increasingly difficult and essential. Unhappily, like bear oil, even the best organic lubricants are still tied to the weather's apron strings; none is useful at both high and low temperatures; none is serviceable for long at 250°-500°F.

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OPINION . . . . . .

a full can tip, the can so that the spout is on top and the wax pours across the handle. In this way wax comes out in a steady stream rather than in spurts."

Another sales-building and complaint-cutting gimmick: printing how-to-pour directions on the label.—ED

Profitable Wonders

TO THE EDITOR: . . . I think your news article on antibiotics "Profitable Wonders" (Oct. 27) is excellently done. . . .

LAWRENCE W. SMITH,
Medical Director,
Commercials Solvents Corp.,
New York, N. Y

TO THE EDITOR: . . . I was much interested in your antibiotic story, which I think was very well handled. . . .

CHARLES E. DUTCHESS,
Medical Director,
Schenley Laboratories, Inc.
New York, N. Y

TO THE EDITOR: . . . I read your article . . . on antibiotics . . . with considerable interest . . . feel that you have handled a complex subject in a very satisfactory manner. . . .

FRED J. STOCK,
Vice President,
Chas. Pfizer & Co. Inc.,
Brooklyn, N. Y.

Name of Fairness

TO THE EDITOR: Just read your splendid company editorial (Oct. 6) "Not in the Name of Fairness."

Often we know that something is important, but are not aware of it. Often we have the right picture, but it is dim. It is then we really appreciate it if somebody calls it to our attention and brings the picture into focus.

I wish that you would find a way to print this editorial on large posters for public display, or for posting on bulletin boards. . . .

I feel sure that civic organizations, chambers of commerce, banks, etc. would be just as interested in them as your industrial audience. . . .

WILLIAM H. SACHS,
Consultant,
Atlanta, Ga.

Add Netherlands

TO THE EDITOR: We have read your article "Gypsum, not Sulfur" in the Oct. 13 issue with very much interest. As a matter of fact the Netherlands authorities are also investigating the possibilities for making ammonium sulphate from anhydrite.



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752

OPINION . . . . . .

You will no doubt be interested to hear that in 1910 . . . the Semarang Gas Works (Indonesia, formerly Dutch East Indies) produced ammonium sulphate from gypsum and ammonia with a capacity of 20 tons per year.

Until 1922 a total production was stopped because of lack of gypsum.

P. SCHOENMAKER
Netherlands Institute for Industrial Development
The Hague
Netherlands

Thanks, Reader Shoenmaker. To the roster of countries using the process commercially (Germany, England) and and those mighty interested in it (India, U.S.) we'll add the Netherlands. —ED.

Airless Blasting

TO THE EDITOR: I noticed your item on page 34 of the Nov. 3rd "Chemical Week" which had to do with the airless blast cleaning of centrifuge baskets . . . [at an Eastman Kodak plant].

I was both surprised and disappointed to see that our company name had not been mentioned at all in the article . . . as a manufacturer of the cleaning machine and that the name of the cleaning machine, itself, was omitted.

I should think that, to be of the greatest service to your readers, you would want to mention a source of supply for these machines so that those chemical processers who have similar cleaning problems would know where to go in order to find a solution. . . .

E. F. ANDERSON
American Wheelabrator & Equipment Corp.
Mishawaka, Indiana

Inadvertently omitted, the name of the name of the machine is: Wheelabrator airless unit and Swing Table. How it works: An airless abrasive cleaner hurls metallic particles from a spinning wheel. Lacquer used to be burned off the baskets, but the new technique is cleaner, simpler.—ED.

CW welcomes expressions of opinion from readers. The only requirements: that they be pertinent, as brief as possible.

Address all correspondence to: The Editor, Chemical Week, 330 W. 42nd St., New York 18, N. Y.

NEWSLETTER

The defense program is now beginning to squeeze fertilizer and insecticide production. The fertilizer outlook, in particular, is so dim that it rates near the top of Secretary of Agriculture Brannan's roster of worries.

It isn't that fertilizer output has been cut back. On the contrary, supplies for the July 1951-June 1952 year will be greater than the one just past—but they won't be big enough.

Brannan is in a politically potent position—so it wouldn't surprise Washington observers if he wielded his influence to provide more production capacity, more raw materials for agricultural chemicals.

Farmers are learning to love chemicals—they're using 5 million tons of fertilizer this year against 1.8 million tons a decade ago—and a fiscal phenomenon in North Carolina is further proof.

There the farmers voted to tax themselves 5¢ per ton of feedstuffs and fertilizers to support agricultural research at the state college. The tax is called "Nickels for Know-How," is expected to yield about $125,000 a year.

On the other side of the fence—agricultural markets are lush enough to provide incentive for process development.

Naugatuck Chemicals, Division of Dominion Rubber Co. (Montreal), has a new, continuous DDT process that boosts productivity thirtyfold, based on output per volume of reactor.

Yields, too, are high, and the processing cost is thus cheaper. Based on chloral, the yield is 97%-98%; based on chlorobenzene, it's 80%.

You can count on hearing more about the process, which utilizes fluosulfonic rather than sulfuric acid as the dehydrating agent.

Meanwhile, the Federal government will spend $2 million to stamp out halogeton, a poisonous weed that's killing Western livestock.

Chemical sprays, followed by reseeding, will be the principal control measure.

Can you make propionic acid cheaply? Minnesota Mining & Manufacturing Co. has shelved a new process because it can't find ½-1 million pounds a month at a price approaching that of acetic.

What the process may be is a closely guarded secret, but it would come off the shelf in a hurry if the propionic could be found.

Underground gasification of coal is another process that may come off the shelf; a just-completed test has power experts intrigued.

In this second test—staged by the Bureau of Mines and Alabama Power Co.—65% of the heating value of the coal consumed in one area was realized over a four-month period. More important, more energy was obtained than could have been procured by mining the coal.

This is the time of year when Government economists start making predictions on the state of business during the coming twelve months.

Initial pronouncements are timid, tentative. But the tenor of them is that run-away inflation has just about run is course; prices will rise—but not much; shortages won't worsen.

They're vague, but they seem to agree—even though the administration officially doesn't see it that way—that the evil spirit of fast inflation has been pretty well exorcised.

One shortage that will get worse before it gets better: sulfur.

NPA has finally issued a sulfur order that limits consumers' stocks to a 25-day supply, doesn't provide as yet for a 10% cut in use of sulfuric acid and carbon bisulfide for less essential products, as was originally proposed (CW, Oct. 27); but it will take effect later.

It looks as if NPA is tiptoeing, afraid to upset sulfur users. Among the producers, on the other hand, Freeport Sulphur Co. wants the Government to take more responsibility for who gets how much.

Better tabs on chemical production will help dispel uncertainty, will make industry's and Government's jobs easier.

Commerce Department's Bureau of the Census has added 23 chemicals to the list of inorganics it regularly reports on. Among them: acetylene, caustic potash, aluminum chloride, silica gel, sulfur dioxide, chromic acid. First report on the additions is for August.

Smaller companies, in particular, have got the short end of the CMP stick. Some of them will be forced to operate at 50% or less of their base-period production because of copper and aluminum cutbacks.

Now DPA and the Munitions Board are setting up "Industry Assistance Clinics," will try to get more Government work for the victims.

Names of the firms and details of their facilities will be made available to procurement agencies.

Who will operate Morgantown? The Army negotiated a lease with Mathieson Chemical Corp. for operation of the large West Virginia ammonia plant, but Allied Chemical and United Distillers, both of whom submitted better bids, are fighting it.

The Congressman from that district, H. O. Staggers (Dem.), is now calling for a Department of Justice investigation. The House Armed Services Committee has not yet passed on the lease; and Staggers asks for an early decision to benefit his constituency's workers.

Massachusetts firms know it already, but the state's Development and Industrial Commission paid a consultant over $11,000 to prove that the Democratic state administration hobbles industry, coddles labor.

The State Labor Commissioner tried to suppress the report, which contends that the state's tax and other industrial policies were driving industry away from the state.

Dow Chemical may make magnesium from underground brines in West Texas. A test drilling is planned in Borden County, near Gail.

Export of Alberta natural gas is still held up by the Provincial board. Route hearings have been put off until April, Pending a decision.

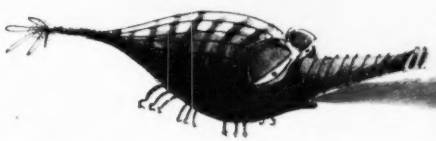
. . . The Editors

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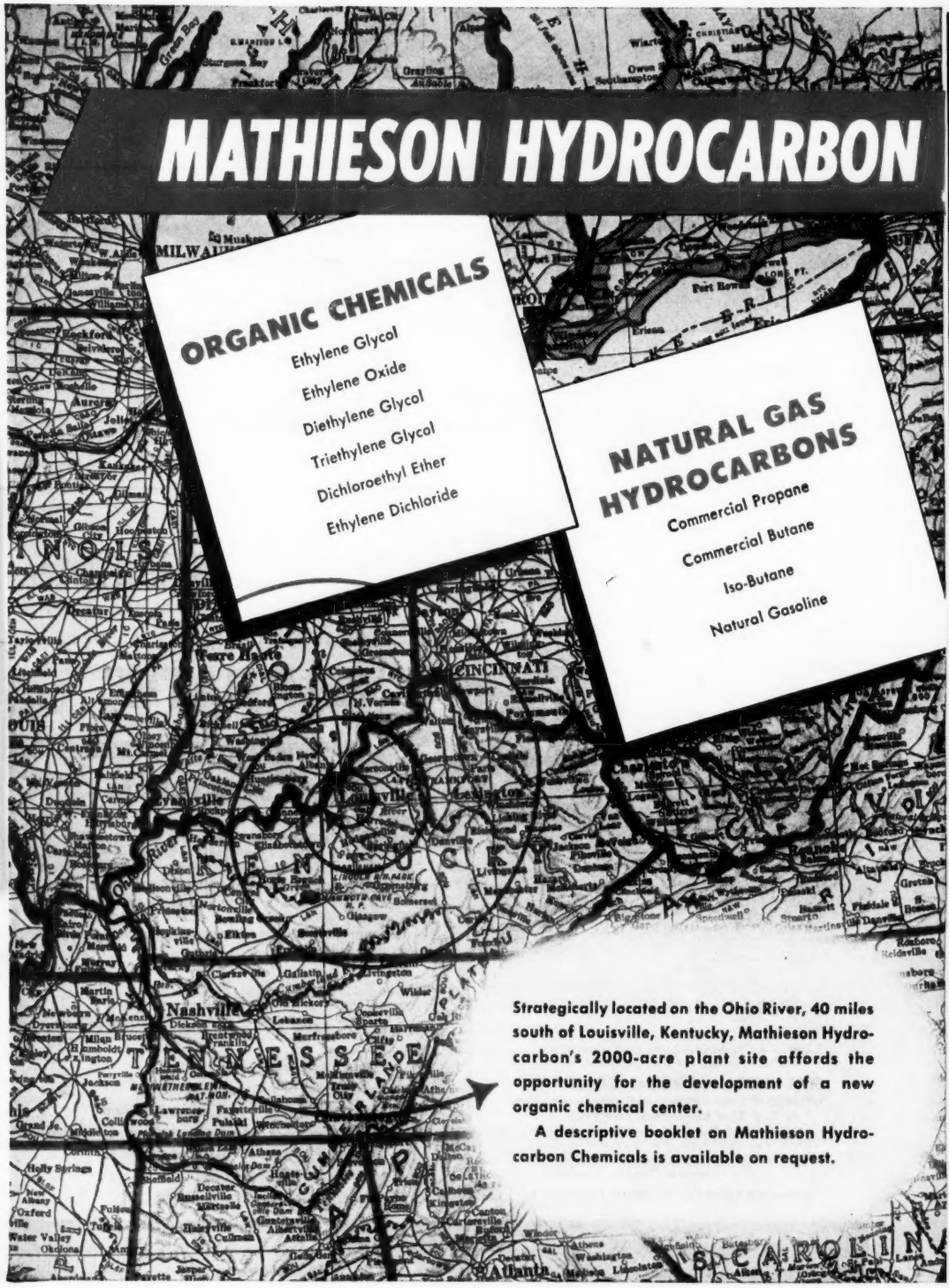
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- Drew's coconut fatty acids are distilled and fractionated to improve odor, provide long-lasting color stability, and give greater soap value.
- Drew is one of the world's largest producers of coconut fatty acids.
- Wherever specifications call for quality coconut fatty acids, note how often you see the phrase: "E. F. Drew or equal."

If *quality* has made your product famous . . . if you want to establish *quality* in your product . . . don't be satisfied with imitations. Always specify Drew fatty acids.



Write for reference booklet, "Drew Fatty Acids"

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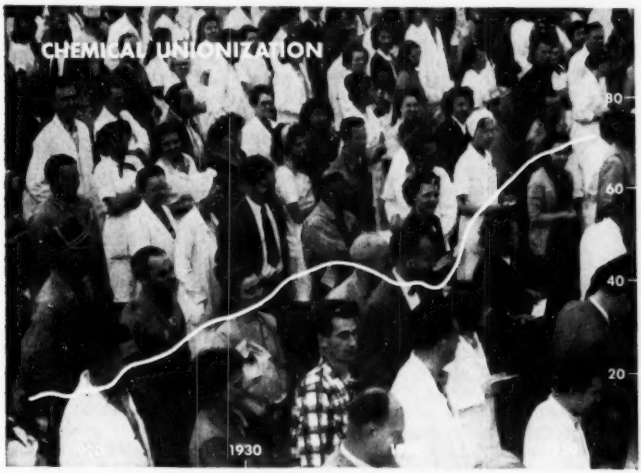
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BUSINESS & INDUSTRY . . . . .



ORGANIZED WORKERS: The trend is up.

Progress and Paradox

Growth in chemical labor unions has been rapid, extensive; but labor still has an inferiority complex.

Embittered by past experiences, labor still attacks business as it was in the "robber baron" days.

Labor-management relations are improving, but are hampered by mutual immaturity.

Last week, while the CIO was holding its 13th annual convention in New York City, the accomplishments to date of the labor movement were getting a thorough going-over.

For labor in general, and for chemical unions in particular, it was a time to stop and take stock of what has been done, and what is still ahead.

In many ways, it was a paradoxical situation.

Like the movies, labor unions are better (and bigger) than ever. Yet much of their thinking and talking is based on the contention that they are still a small, unprotected minority.

Like staid Bostonian John Dickinson, labor believes that "by uniting we stand, by dividing we fall." Yet the different chemical unions have been unable to achieve unity among themselves.

Like Phil Murray, chemical unions believe that "nothing must stop the work of organizing the unorganized in America." Yet much of the funds of the union is dissipated in the expensive practice of "raiding" other unions, rather than recruiting those who have not been unionized.

But despite these anomalies, labor unions have come a long way from the violent dawn of trade unionism. Management, too, has come a long way from its early, stiff-necked attitude. It now recognizes its workers' right to organize, and sits down with the various unions for bargaining sessions.

In the chemical industry, enlightened union and management representatives are getting to know more about each other, are beginning to realize their vital interdependence.* But despite their progress, several fundamental differences will continue to disturb the peace:

• Seniority. Union contracts set seniority as a basis for promotion. If two men are equally qualified for a job, the one who has been employed by the company longer gets the post. The other man, while he may be potentially worth 10 times as much to the company, loses out. Unless he receives some recognition for his work, he may lose interest in his job, hurting the company (and, in the end, the union).

• Union Rules. Contract clauses which set standards for all workers—standard production level, standard job rate—have different interpretations by management and labor. To labor they are good, since they protect the group from the "speed-up" bogey. To management they are seen as group defenses against the individual's weakness. For the good of the company, such weaknesses are better eliminated.

• Technology. This common failing of unions in general is not quite as typical of chemical operating groups. Chemical workers are usually better educated than "ordinary" labor. Also, there is a realization that the chemical industry is one where technological progress is inevitable. Where the number of men needed for a specific operation may decline, over-all employment totals are increasing.

(In such groups as construction workers, however, featherbedding and make-work practices are notorious. The depression-based philosophies here are among the worst of all unions.)

The Over-All Picture

In considering the union picture in the chemical industry, one might report on unions in the oil, paint, glass, paper, textile, distillery, rubber and a multiplicity of other industries. A clear—but less complicated—picture can be obtained by covering just the "chemical" unions.

The big three in the field: the AFL International Chemical Workers, the CIO United Gas, Coke and Chemical Workers, and District 50 of the United Mine Workers.

Union Development: Like organic chemistry, which developed on a practical scale from coal by-products,

* They haven't, however, attained the felicity of union-management relations in, for example, the garment industry. Here, the ILGWU voluntarily took a pay cut because of poor industry-wide business conditions.



AFL's BRADLEY: Much of the character of the AFL International Chemical Workers is exemplified in the union's graying, pugnacious president, H. A. Bradley. While he is 78 (eldest of the chemical Big Three), his energy is that of a younger man.

As a union leader who remembers the difficult, early years of unionism, Bradley says he can "never be unprejudiced" in his relations with management.

His homespun earnestness, however, has won him respect at the bargaining table. A pet subject is human relations—especially the need for joint union-management sponsorship of a program to educate workers to the ideals of capitalism and democracy.



CIO's WAGNER: The CIO Gas, Coke and Chemical Workers' Martin Wagner might, at first glance, be taken for a school teacher. He is small in stature, but big in his intense dedication to unionism. He began life as a miner, later switching to coal chemicals production. He was a member of the union established at a St. Louis gas company—one of the original locals in UMW's District 50.

A prime mover for union consolidation, he advocates coalescing into one group workers in the chemical, rubber, paper, glass and oil industries. "Hitler, despite any other action," he says, "did a good thing when he forced German unions to consolidate. In this respect they are ahead of us."



DISTRICT 50's LEWIS: When the name Lewis is mentioned in the same breath with the United Mine Workers, one thinks first of John L. As yet, A. D. (Dennie) Lewis, titular head of District 50, is definitely outshone by his more famous brother. While John is president of UMW's District 1, Dennie is chairman of the organizing committee of District 50.*

Dennie, who has the family trait of bushy eyebrows, is an intense, gruff man. Anyone who talks with him probably notices most his restlessness. Except in moments of deep concentration, he is continually fidgeting with a pencil, tipping to and fro in his chair, or finding some similar physical outlet for his energy.

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chemical unions had their start in the coal industry.

The United Mine Workers, which began organizing in 1890 in the mines themselves, slowly grew in scope to include coke, tar and gas works.

By 1933 these locals became so numerous that the UMW set up its District 50 as a separate division. Little by little this group widened its jurisdiction until most of the industrial chemical field was included. The UMW (including District 50) was one of the groups which founded the CIO, following a disagreement within the AFL over craft *vs.* industrial unionism.

In 1939, Martin Wagner became the district's top official, but two years later was appointed to the district's executive committee. (Wagner asserts he was "kicked upstairs" because he would not be dominated by UMW's president, John L. Lewis.) The present leader of the district is A. D. Lewis, brother of John L.

In 1942, following a political disagreement, Lewis pulled the UMW out of the CIO. It was at this point that the CIO United Gas, Coke and Chemical Workers came into being, under the leadership of Wagner. Locals of District 50 which decided to stay in the CIO served as a nucleus of the organization. Since the UMW—CIO breakup, membership of District 50 has become more heterogeneous, and at present, only about half of its membership is in the chemical process industries.

Meanwhile, spurred by intense inter-union competition in organizing different industries, the AFL Chemical Workers was founded. H. A. Bradley has served this union as president since its start in 1940.

Consolidation Attempts: In 1946, there reportedly was a movement toward the linkage of the AFL and CIO unions. According to CIO's Wagner, he was approached by Merle Preston, an assistant to Bradley, on the question, and later he (Wagner) went to see AFL officials. The question of consolidation, Wagner asserts, was stymied by an inability to agree with which in-laws the newlyweds would abide. Bradley, on the other hand, denies the whole thing.

One basic stumbling block to any merger is the question of jurisdiction. It was over this matter that the original CIO-AFL split occurred. Many of the unions organized vertically throughout an industry had clashed with craft unions, which stuck to a horizontal organization. CIO, after its formation, was dedicated to the vertical-type union, while the AFL was still a mixture. Despite a greater chance for jurisdictional disputes in the AFL, Bradley says that in 11 years, a day has never been lost because of jurisdictional squabbles, and that no question over union sover-

* There is no president, as such, of District 50. While Lewis admits to being the district's executive officer, he will not agree that his title is synonymous with president.

eignty has come up within the last three years.

Questions of sovereignty have come up in the CIO because of the vague boundary between different chemical process unions. Last week at the CIO convention, 34 of the organization's 41 unions signed a three-step, legally enforceable agreement to settle such fights.

First step is conference between the unions involved; second, a meeting with Allan S. Haywood, CIO vice-president; and third, arbitration. While the arbitrator has not as yet been revealed, one guess is Frank Graham, who served as UN mediator in Kashmir.

Union "Raiding": Perhaps as a result of inter-union hassles, raiding by one union on another union's locals is prevalent. Union leaders decry the practice, but being "agin" raiding seems to be honored more in the breach. One exception: Leaders have given approval to raiding some independent unions which have a noticeable pinkish tinge.

Union Membership

In general, membership in chemical unions is limited to operating employes and to the lower echelon of supervisory workers. Dividing line is usually set below those supervisors who have the right to hire and fire.

In some cases, office workers are also organized, but professional workers almost never are. Where such groups exist, they are merely local.

Because the chemical industry overlaps so many others, and because there is no standardization in reporting membership, exact figures are not available on chemical unionization. Tying an estimated chemical union membership of 310,000 together with an estimated 450,000 workers in plants employing 100 or more, one concludes that 70% of the industry is unionized.

Individually, the three major unions report these figures for the workers they represent: AFL, 112,000; CIO, 80,000, and District 50, 200,000, of which about 100,000 are in the chemical field. There is considerable doubt as to whether these totals represent actual, dues-paying members.

Union Future

With the great expansion of the chemical industry, unions will have a golden opportunity to gain new members. The geographical distribution of union members will also change. The South, long relatively nonunionized, is being rapidly organized. It is still a fertile field.

Along with growth, the boom in chemicals is bringing a change in bargaining patterns. During the soft years immediately following World War II, the emphasis was on security—pensions, hospitalization, insurance, guaranteed annual wages.

With better times in industry, money is the keynote. These are divided between across-the-board increase demands and hikes based on the Bureau of Labor Statistics' cost-of-living index.

The picture, from labor's standpoint, is a rosy one. But there still is a jarring note: While chemical unionism has grown up physically, it has a good way to go to catch up mentally. Management and labor now meet across the table on virtually equal terms. Yet labor still thinks of management as it was back in the robber-baron days.

In the latest issue of a union publication, for example, the government's quick amortization setup becomes a "tax kickback" program. Citing an example of a company which gets 70% certification on a $1 million factory, the publication makes this statement:

"So the company in five years gets a million dollar plant for $300,000, while you, Mr., Mrs., or Miss Taxpayer foot the bill for the other $700,000. . . . The phony reason for this tax kickback deal is . . . to 'encourage' the big companies to build plants now which may not be profitable to operate in peacetime. That is more Big Business hogwash, dear reader."

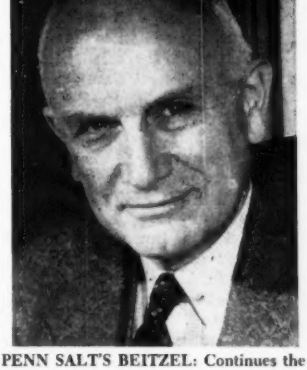
Demagoguery like this, without a basis in fact, highlights a central problem: the union idea—unfortunately born out of past violence—that it is forever necessary to undermine an employe's faith in his employer.

Unions have grown in all directions, but as yet haven't acknowledged that management, too, has progressed. Both, as parts of a single organic whole, must learn to live with each other and like it.

Organic – Inorganic Marriage

Pennsylvania Salt Manufacturing Co. is the latest to be added to that rapidly increasing list of heavy chemical companies that have gone the organic chemical route. Like Diamond Alkali, Penn Salt has chosen to build up this sector of the company's activities by acquiring an outside organic chemical producer, Sharples Chemicals, Inc. To effect the combine, Penn Salt has offered to exchange 88,497 shares of its common stock for the common stock of Sharples—3.15 shares of Penn Salt common for each share of Sharples common.

Penn Salt is a pioneer American chemical producer, celebrating its 100th anniversary last year. However, Sharples is a relative newcomer to the chemical field. Incorporated in 1926, the company first started operations at Belle, W. Va., moving to its present location at Wyandotte, Mich. in 1932. Founded on the Ayres patent for the chlorination of pentane, Sharples has since moved into such diverse fields as the manufacture of various amines, rubber chemicals and synthetic detergents.



PENN SALT'S BEITZEL: Continues the pattern.

Addition of this broad line of synthetic organic chemicals to Penn Salt's already extensive line of organic insecticides will provide the new combine with a well-rounded group of products. And they are not just products: They are products wherein the activities of the two companies nicely mesh.

The Sharples plant at Wyandotte is just across the road from a large Penn Salt caustic-chlorine-ammonia unit. And Sharples makes good use of these facilities, buying 18% of its raw materials ($740,000 in 1950) and paying $420,000 for process steam that is piped under the road separating the two plants. In addition all except two buildings at the Sharples plant site have been constructed on land leased from Penn Salt, which has retained the mineral rights as there undoubtedly are extensive salt deposits under the Sharples plant. Raw material purchases are not wholly one way, however; Penn Salt in 1950 paid $150,000 to Sharples for salt and hydrochloric acid, presumably derived from its many chlorination reactions.

$50 Million: Combination of the two companies would put Penn Salt sales in the $50 million-a-year bracket for the first time; combined net earnings should approach $4.75 million for 1951; nearly 1.1 million shares of Penn Salt common will be outstanding; there are $5 million in Penn Salt notes and $606,000 in a Sharples note which is held by The Mutual Life Insurance Co. of N. Y. In addition Penn Salt has agreed to loan Sharples $600,000 in November, 1951.

In today's rapidly changing market it is difficult to be precise about the dollar value of the proposed transaction. But Penn Salt common is now about 62. Thus the exchange would represent over $5 million.

The Continuing Pattern: Here again is seen the continuing pattern of heavy chemical producers going into the manufacture of organic chemicals from the heavy chemicals to upgrade the value and profit derived from their product. No longer can a caustic-chlorine manufacturer be dubbed by that name alone. His product line includes those items and a broad line of other products.

NLRB Says No

The CIO's Gas, Coke and Chemical Workers have lost a round in their running fight with the AFL's International Chemical Workers over who is to represent workers in Lever Bros. plants.

Gas, Coke and Chemical took the setback in its efforts to take its second Lever plant, at Cambridge, Mass., from International Chemical. The CIO union asked NLRB for an election at the Cambridge plant, but was turned down on the grounds that Lever's master contract with International Chemical prevents an election at this time.

Contract Binding: The board holds that the master contract is binding on all Lever Bros. plants where the contracting union holds bargaining rights at present, even though the Cambridge employees turned it down. Gas, Coke and Chemical will have to wait until the AFL contract expires next March, or until it is reopened for negotiation, to make its bid.

The CIO-AFL rivalry in Lever Bros. plants started about four years ago when Gas, Coke and Chemical won an election and took the Hammond, Ind., plant from International Chemical. Last year, when it tried to do the same at Cambridge, it lost the election. Feeling that it could win this year, the union asked for another election, but has now been turned down.

SYNTHETIC LIQUID FUEL PRODUCTION COSTS

	Coal Hydrogenation		Oil Shale	
	Single Plant	Multi Plant (8)	Single Plant	Multi Plant (5)
Coal or Shale: Tons/Calendar Day	12,960	112,590	76,800	384,000
Products: Barrels (42 Gals)/day				
Gasoline	19,490	163,830	25,380	126,900
Diesel Fuel			12,200	62,360
Liquefied Petroleum Gas	6,390	52,170	1,780	8,920
Residual Fuel			340	3,050
Total Liquid Fuels, Barrels/Day	25,880	216,000	39,700	201,230
Coke: Tons/Day			1,180	5,900
Fuel Gas, 1060 Btu/cu. ft.: M Standard Cubic Feet/Day			24,830	124,150
Chemicals:				
Phenol, Barrels/Day	229	•		
Cresols, Barrels/Day	383	•		
Xylenols, Barrels/Day	508	•		
Ammonia, Tons/Day			92	460
Sulfur, Tons/Day			43	215
Manpower: Total including supervision and administration	5,900	53,800	3,420	15,750
Construction Materials				
Steel: Thousand Tons	220	1,710	178	694
Per daily barrel of Total Liquid Fuel Production: Tons	8.5	7.9	4.5	3.5
Construction Labor Man hours x 1,000	51	355	26	123
Investment				
Total-Millions of Dollars	533	4,074	333	1,518
Dollars per daily barrel product	20,600	18,900	8,400	7,500
Cost of Gasoline with 6% Return on Investment after Income Tax @ 50% in ¢/gal.	41.4	43.5	16.2	14.7

• The report has assumed that these chemicals are processed to gasoline in the multi plant case.

Cheapest: Shale Oil

The National Petroleum Council's $300,000 study shows shale oil to be the cheapest non-petroleum liquid fuel.

Facilities for hydrogenation of coal to liquid fuel are far more costly to build and to operate.

Gasoline from comparable plants would cost 43½¢/gal via coal hydrogenation; 14.7¢/gal from oil shale.

A special committee of the National Petroleum Council (NPC) has just reported to Secretary of the Interior Oscar L. Chapman that, on the basis of plants with a total capacity of 216,000 barrels per day, the cost of synthetic gasoline from coal hydrogenation would be 43½¢ per gallon; from oil shale, 14.7¢. (The present wholesale price of gasoline at the refinery varies from 12¢ to 13¢ per gallon.)

Moreover, the eight hydrogenation plants required for this production rate would represent a capital investment of over $4 billion; the needed five oil shale plants would cost $1.5 billion.

The present study is the outgrowth of a request made by Secretary Chapman on April 21, 1950 that NPC undertake a study to:

- Review the Bureau of Mines' estimates (1) of the cost of producing synthetic liquid fuels, and (2) of comparative costs of producing liquid fuels from crude oil.
- Prepare independent cost estimates.
- Make recommendations of ways and means, if any, to improve future cost estimates by the Bureau of Mines.

That this study is no slap-dash cost estimate is indicated by a few statistics: It cost $300,000; 115 outside companies were consulted; 400,000 miles were covered by the 164 men who developed the information.

Two of Three: Work done by the Synthetic Liquid Fuels Div. of the Bureau of Mines falls into three categories:

- Coal hydrogenation.
- Utilization of oil shale.
- Fuels from synthesis gas provided by coal gasification.

But the Bureau did not have adequate information for a dollars-and-cents analysis of the synthesis gas process. These data have been supplied only recently; consequently this process was not considered in the report.

Too, this study was concerned only with the process steps upon which the Bureau of Mines' cost data have been based. The scope of the committee's investigation did not include an analysis of alternative processes developed

by industry that had not been made available to the Bureau of Mines. Nor is any attempt made to determine costs for particularly favorable and unique situations. Rather the estimates are based on the average situation.

In each case a raw material reserve of 20 years has been set as a minimum. The product is to be primarily gas and diesel fuel conforming to present specifications. Labor, material and equipment costs have been adjusted to January, 1951 levels. Chemicals and LPG have been credited as by-products.

Study Took Time: According to the Committee much more time was required for this study than had originally been allotted as ". . . necessary process design data had not yet been sufficiently developed by the Bureau of Mines."

In the coal hydrogenation process, clean, finely crushed coal is mixed with heavy recycle oil to form a paste. This, with a catalyst, is charged under a pressure of 10,000 psi and at 900 F to a reactor. The liquid from this hydrogenation is separated by distillation into a light oil and a heavy oil. A portion of the heavy oil is recycled to make more paste from additional coal. The rest is coked to dispose of ash and used catalyst.

In a second stage the light oil is further hydrogenated over a fixed bed catalyst at 10,000 psi and 900 F to gasoline and liquefied petroleum gas (LPG). Phenol, cresols and xylenols can be recovered from the first-stage product for sale as chemicals. If not recovered, this fraction is also hydrogenated in the second stage. Conventional petroleum refining processes are used for final treatment of the liquid "crude."

Oil shale operations are based on the assumption that shale is mined by techniques developed by the Bureau of Mines. After crushing, it is charged to a retort where the oil is driven off by heat evolved from combustion of the carbon that remains in the shale after completion of retorting. The crude liquid shale product is extremely unstable and contains nitrogen and sulfur compounds.

After coking the liquid distillate is catalytically hydrogenated at 1,100 psi and 835 F. This product is treated by conventional refining means.

Weighing the Two: For the estimate on coal hydrogenation the committee at first had only a 1949 report (RI 4564). The cost data in this report were brought into line with present-day figures. But even with this adjustment, the Bureau's estimates were approximately 20% below those



CHAPMAN: The answer to his question cost $300,000.

prepared by the committee. But, says the committee, the Bureau omitted such items as certain off-site facilities, interest on borrowed capital, income taxes, profit on investment and other details.

Detailed analysis of these differences is now in the hands of the Bureau. The committee thinks the cost estimates that have been developed are as authoritative as any that can be obtained without commercial operating experience.

In the case of shale oil, the Bureau had no formal report to serve as a basis of comparison. But the Bureau cooperated closely in making information available on this procedure. In the end, the only large difference that existed between the Bureau and the committee was that resulting from alternate means of entering capital cost figures such as interest, taxes and profit.

A summary of the data developed by the committee is shown in the accompanying table. Price Waterhouse & Co. were retained to check the accounting procedures utilized. In the usual dry terminology of the accountant: "It is their opinion that the basic accounting data used have been computed in accordance with generally accepted accounting principles."

Oil Shale On Top: Many conclusions can be drawn from the report. First, production of synthetic fuels by coal hydrogenation is uneconomical. Second, although fuel from oil shale is still appreciably more costly, its cost is close enough to the cost of liquid fuel from petroleum that ". . . this source of fuel warrants continued attention by the industry."

In one other concluding note the committee marks ". . . that an effort is being made to promote the installation of a coal hydrogenation plant as a source of chemicals, the most important of which are benzene, toluene and xylenes"—presumably Colchem Corp. *(CW, Oct. 20)*. Although a study of this proposal is not within the scope of the assignment, the committee notes that it is advised that such chemicals can be produced from petroleum at a lower cost.

Imported Labor

Government defense programs have brought both blessings and problems to the Southern turpentine and rosin industry. On the one hand, demand for naval stores has risen sharply in recent months; but on the other, the industry's labor force has been absorbed into defense work. One answer: Mexican labor.

Trying to meet government demands for naval stores, the American Turpentines Farmers Association is investigating all principal sources of labor, particularly the migrant Mexican workers, made available in this country through a U.S. Dept. of Agriculture program.

Large numbers of Mexicans are used in agricultural work in the Southwest. They are brought into the country for periods not less than six weeks and not more than six months. The Association's idea is to import Mexicans for the heavy producing season —late spring and the summer.

The Big Question: But the big question is whether the Mexicans could become skilled enough, quickly enough, at the various piney wood jobs to make their employment useful under the terms of the Agriculture Department's program. The association feels that, with the new and simpler methods of handling the trees, they could handle the job, and is seriously considering their use.

•

Officials of the International Chemical Workers (AFL) local at the Ansco Division, General Aniline & Film Corp., plant at Binghamton, N.Y., are wondering why the Wage Stabilization Board is delaying approval of the new contract negotiated with the company last summer.

Although application for approval of fringe benefits written into the contract was made last July, the union is still waiting for WSB okay.

One of the new items in the fringe benefits: four hours off with pay on Election Day. Under the old contract, workers are given only the two hours necessary under the law in New York state.



PAINT SPRAY SOLARIUM: Competitors build a market.

Common Bond

Get twelve companies—most of them competitors—to pool together in an exhibit at an industrial exposition? "Impossible," you'd say nine times out of ten, and be right. But that's what happened at the 1951 Paint Industries Show last week when competing raw materials and equipment manufacturers teamed up to tell formulators about hot-spray coatings. Hot spraying, of course, is the method of applying protective and decorative finishes, particularly lacquers, that is enjoying increasing popularity for furniture, airplanes, autos and other products (*CW, Aug. 11*). Paint makers who are supplying or will be called on to supply the new formulations should know the whole hot-spray story, reasoned interested manufacturers of suitable raw materials and equipment, and the logical place to talk to most of them was the Paint Industries Show held in conjunction with the national meeting of the Federation of Paint and Varnish Production Clubs at Atlantic City early this month.

Under the organizational direction of Hercules Powder Co., five chemical companies, five heating unit manufacturers and two spray gun makers joined forces in a "Hot-Spray Solarium" that was one of the feature attractions of the show. Although each company had its representatives, products and/or literature on hand to explain its place in the paint formulator's hot-spray future, product promotion was subordinate to an institutional exposition of the new coating technique. For the companies involved decided that showing production men where hot-spray finishes are going, explaining how to formulate, and displaying application equipment would arouse interest that would mean bigger future sales for all of them.

Start to Finish: It was easy to see how far the process has come since developed by Commercial Solvents' Charles D. Bogin*, for on display was the first heating unit and spray arrangement he used to apply these high solids lacquers (40% in contrast to the less-than-20% solids common with cold-spray formulations). This seemed crude alongside of modern heaters and spray guns developed over the last few years in response to demand from industrial lacquer users.

Also pointing up the Military's approval of such finishes were shell cases, tank parts, grenades and an airplane wing tip. Exhibits from the furniture industry, in which hot-spray has made the greatest gains, showed the fine finishes that could be obtained with one-coat applications. Parts of automobiles, vacuum cleaners, Venetian blinds, soft drink dispensers, etc. suggested the variety of metal products now being finished with hot-spray coatings.

And in addition to the exhibit, a Hercules motion picture on the process was shown at different times to those who wanted to see the application technique in action.

Eager Askers: Paint makers, their appetites whetted by this display of potential business, turned to the chemical companies for technical information on formulations. Those present were solvent manufacturers Carbide, Commercial Solvents, Publicker Industries and Shell Chemical, all competitors but all willing to share space to keep close to the sales-source of the booming new outlet for their products. For the big difference between the new and conventional lacquer formulations is in the choice of solvents. Hot-spray solvent combinations

* Basic patent on hot-spray was issued to Commercial Solvents in 1939, dedicated to the public by the company last year.

Current List of DPA-Certified Chemical Facilities

COMPANY	LOCATION OF FACILITY	PRODUCT	AMOUNT ELIGIBLE	PERCENT
Allied Chemical & Dye Corp.	Buffalo, N.Y.	Military dyes	——	60
Molybdenum Corp. of America	Washington, Pa.	Molybdenum oxide	——	50
Molybdenum Corp. of America	York, Pa.	Ammonium para tungstate	——	70
Rohm & Haas Co.	Bristol, Pa.	Methyl methacrylate	——	60
Southern Alkali Corp.	Natrium, W. Va.	Chlorine	——	50
Monsanto Chemical Co.	Monsanto, Tenn.	Phosphorus	——	50
Brush Beryllium Co.	Woodville, Ohio	Beryllium copper alloys	$ 723,500	75
Southern Alkali Corp.	Barberton, Ohio	Perchlorethylene	——	60
Ohio Oil Co.	Robinson, Ill.	Butylene alkylate	2,792,000	100
			85,000	50
Union Carbide & Carbon Corp.	Whiting, Ind.	Ethylene oxide	——	60
Food Machinery & Chemical Co.	Lawrence, Kans.	Sodium phosphates	——	50
Skelly Oil Co.	El Dorado, Kans.	Alkylate	1,471,000	100
			279,000	55
Phillips Petroleum Co.	Borger, Tex.	Diisopropyl alkylate	96,925	100
			1,800	60
Phillips Petroleum Co.	Bartlesville, Okla.	Diisopropyl alkylate	24,740	100
			1,125	60
Lion Oil Co.	Columbia County, Ark.	Sulfur	61,439	80
			6,418	60
Gulf Oil Corp.	Port Arthur, Tex.	Sulfuric acid	2,318,855	80
Ethyl Corp.	Baton Rouge, La.	Ethyl compounds	——	75
J. Ernest Stroud & Co.	Amarillo, Tex.	Oxygen	——	50, 70
Rohm & Haas Co.	Houston, Tex.	Acetone cyanohydrin	——	60
Sierra Copper Co.	Copperopolis, Calif.	Copper and zinc sulfides	27,000	60
Anaconda Copper Mining Co.	Yerington, Nev.	Copper ore concentrate	24,565,000	75
Rayonier, Inc., Crown Zellerbach Corp., Soundview Pulp Co. (Joint venture)	Near Powell Park (county), Wyoming	Elemental sulfur	1,314,000	80

cannot employ fast-evaporating solvents since the lacquer is sprayed at about 160 F.

Companies producing heaters (to lower the viscosity of the lacquer and permit application at higher solids) were on hand to explain how they work, and what formulations perform best in them. These included Bede Products, Beck Equipment, Pol-Flo Paint Sprayer, Reliable Products Manufacturing and Spee-Flo.

Spray gun manufacturers DeVilbiss and Binks Mfg. wanted formulators to see how their products fitted into the picture; and like the heater suppliers, undoubtedly figured that it is good business for a lacquer manufacturer to have the name of an equipment maker at tongue's tip when calling on customers.

The fifth chemical company—Hercules—didn't even have a stand in the solarium, but did have its literature available. Its big interest in hot-spray is as a market for nitrocellulose, and seeing solvents suppliers and equipment makers spread the word about it to sales- and production-conscious paint makers was reward enough for its efforts in getting the group together.

Something For Everybody

The more ways you can package the product, the more sales you will have. That seems to be the big axiom these days in the marketing of broad-spectrum antibiotics. Pfizer's terramycin, with 13 forms on the market, and Lederle's aureomycin, with 12, are proof enough of this latest twist in the wide-open antibiotics field.

Both terramycin and aureomycin are now being sold in the form of ophthalmic ointments, ophthalmic solutions, otic solutions (for the ear), soluble tablets, troches, solutions for intravenous use, dental cones, dental paste, and the regular capsules. In addition, terramycin comes as elixir, oral drops, nose drops, and vaginal suppositories. Aureomycin can also be had in Spersoids (for children) and Pharyngets.

Wide Appeal: This wide-appeal program is actually a matter of taking advantage of what is on hand. Unlike other antibiotics, the broad spectrums lend themselves to use in many forms with great effectiveness.

As Pfizer readily admits, the whole program of multiple packaging is designed to give the drugs greater appeal to physicians. Although Lederle was first in the field with their diversified line of aureomycin forms, Pfizer has recently caught up and passed them in total number of different forms available.

Pfizer's entire recent ad campaign is geared to placing the stress on the number of different forms it has. Full page ads by the company continually hammer home the point that terramycin can be bought in more forms than any other antibiotic.

Taking Advantage: Probably Pfizer considers the heavy campaign on special forms one of the best ways to catch up with aureomycin's headstart in the over-all field. But the immediate cause of its decision is that terramycin, apparently, is the more versatile of the two broad-spectrums. Its high solubility and stability in solution has enabled Pfizer to bring out the elixir, oral drops, and nose drops, which Lederle has not done.

With this initial advantage, Pfizer is pushing its elixir, oral, and nose drops, even to the extent of developing a special mixer, dubbed the Elixir-Mixer. The elixir and oral drops come to the pharmacist in the form of a diluent and powdered terramycin in separate bottles; hence the new tool for easy mixing. Essentially, a sales device, the mixer shows the intensity with which Pfizer is conducting its sales campaign for the special forms.

While Pfizer is concentrating mainly on diversified dosage forms for human consumption, it has not neglected the animal therapy field. In addition to capsules, veterinarians can get terramycin in ointment, intravenous solution, ophthalmic ointment, and udder infusion ointment.

Sales Up: Although first in the field, Lederle now appears to be trailing in the dosage form battle, spreading its advertising more thinly. Still farther behind is Parke, Davis' chloromycetin, the third broad-spectrum antibiotic. It has not been placed on the market in anywhere near the number of forms in which the other two are available.

This points to an apparent difference of opinion as to the value of the wide-dosage campaign, but Pfizer has figures on the rapidly increasing sales of terramycin in the special forms to justify its outlay of time, money, and effort in their development and marketing.

EXPANSION . . . .

Chlorine and Heptachlor: Arvey Corp. will double the size of its electrolytic chlorine facilities at Memphis, Tenn. At the same time the company is adding a unit for production of heptachlor, boll weevil insecticide. Cost: $2 million.

•

Polyvinyl Alcohol: Production capacity of Colton Chemical Co.'s polyvinyl alcohol plant at Cleveland, Ohio, is to be expanded from 10,000 pounds a month to 50,000 pounds per month with a portion of the proceeds from the sale of 80,000 shares of common stock. Price: $3/share. A portion (33,000 shares) was supplied by certain shareholders; the rest (47,000 shares) was sold by the company. Colton Chemical was known as the Special Chemicals Co. until Oct. 11, when the present name was adopted.

•

Tin, Feldspar and Mica: Lithium is not the only product that Foote Min-



ELIXIR AND DROPS: New forms mean more sales for terramycin.

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. . . . . .

eral Co. plans for its recently acquired Kings Mountain, N.C. spodumene deposit. Recovery of tin, feldspar and mica is also contemplated.

•

New Companies:

• Hickory Color & Chemical Co., of Hickory, N. C., has obtained a certificate of incorporation from the North Carolina secretary of state to operate a color and chemical business.

• Carolina Chemical & Engineering Co., Wilmington, N. C., has been organized to manufacture and deal in chemicals.

•

Toluol: Oil & Chemical Products, Inc. is expanding its plant for the manufacture of toluol and aviation gasoline blending stock at its Galena Park (Houston), Texas plant.

FINANCE . . . . .

Diamond Alkali Co.: Shareholders acted (Nov. 15) on the recommendation of the directors that the company authorize issuance of $25 million of preferred stock. A public offering of not more than $12 million of $100 par convertible preferred was proposed for late this year or early in 1952. To further its expansion program, Diamond also plans to borrow $4 million more from the Metropolitan Life Insurance Co. before the end of the year.

•

Dominion Linseed Oil Co., Ltd.: Bondholders were asked on Nov. 14 to consider a reorganization proposal under which McArthur, Irwin, Ltd. and Hart Battery Co., Ltd. are to be acquired. Included in this is the conversion of the $750,000 of Dominion Linseed bonds into 15,000 preferred shares ($15 par) and 15,000 common shares.

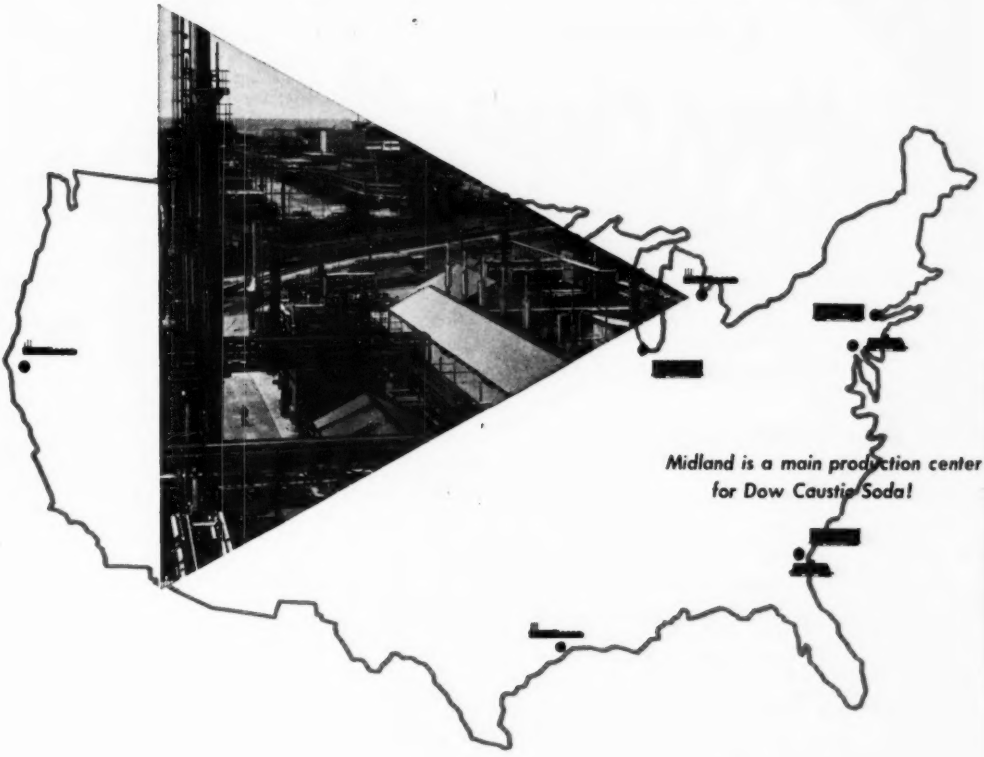
FOREIGN. . . . . .

Magnesite: The Brazilian government has authorized Harbison Walker Co., producer of materials for industrial furnaces, to operate large magnesite deposits near Fortaleza, capital of the state of Ceara. Operations will be carried out by a Brazilian subsidiary—Harbison Walker Mineiros Ltda.

•

Sulfur: The current world sulfur shortage has been further alleviated by the discovery of the Fuel Research Institute at Dhanbad, India, that large quantities of sulfur can be recovered by washing coal. Experiments at the Nowrozadabad mines show that a single washing yields 11% sulfur, rewashing 20%. A local cement firm now plans to put up a coal washery to supply both fuel for its plant and

How close are you to Midland, Michigan?



Wherever you're located . . . there is a Dow distribution center conveniently placed to serve your needs for Dow caustic soda. Dow has caustic soda plants in Midland, Michigan . . . Texas and California. Besides shipping from these large plants, Dow distributes caustic soda solution from bulk tank terminals in Carteret, New Jersey and Charleston, South Carolina. Caustic soda solid, flake and ground flake are shipped from terminals in Port Newark, New Jersey . . . Chicago, Illinois and Charleston, South Carolina. You can be sure of dependable caustic soda delivery when you take advantage of Dow's nation-wide distribution facilities . . . designed to service your needs.

wherever you are . . . *you're close to*

DOW CAUSTIC SODA

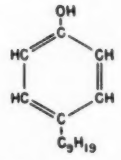
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Nonyl Phenol

one of a series of Alkylated Phenols



NONYL PHENOL—one of Koppers series of alkylated phenols—is produced in commercial quantities. It is a slightly viscous, yellow to tan liquid; only very slightly soluble in water, but miscible with common organic solvents.

REACTIONS

Two of the three normally reactive nuclear positions are unsubstituted in this alkylated phenol; they are subject to such reactions as acylation, sulfonation, nitration, alkylation, and condensation with aldehydes.

The unhindered phenolic hydroxyl group undergoes such reactions as etherification, esterification, vinylation, ethylene oxide condensation, and formation of nonyl phenoxyacetic acid.

USEFUL APPLICATIONS

The properties of Nonyl Phenol indicate usefulness in the production of modified phenolic resins, non-ionic surface active agents, lubricating oil additives, antioxidants, plasticizers and agricultural chemicals.

PROPERTIES

Boiling Range	**290°–300°C.**
Hydroxyl Number (theory 255)	**250**
Specific Gravity, 30°C.	**.940–.944**
Refractive Index, 20°C.	**1.5118**

FOR FURTHER INFORMATION, write to Koppers Co., Inc., Chemical Division

Though supplies are at present limited by the emergency demand, many known possibilities of Nonyl Phenol make it a most interesting chemical for further study in your own laboratories.

KOPPERS

KOPPERS COMPANY, INC.

Chemical Division

C1-11-7 Koppers Building, Pittsburgh 19, Pa.

1200 tons of sulfur per month as by-product.

Pyrite deposits covering an area of some 12 miles in the coastal area of Karwar (near Bombay) are also expected to yield an additional 4000 tons of sulfur a month. India has been importing some 65,000 tons of sulfur annually, mostly from the United States.

•

Pakistan: Heavy chemical industry, non-existent here four years ago is gathering speed. Sulfuric acid is being manufactured at the rate of fifty tons per day in four plants at Karachi, Lyallpur, Rawalpindi and Rangpur. The Karachi plant also plans to produce hydrochloric acid at the rate of two tons per day.

Soda ash for use in glass and sodium silicate industries is being produced at a factory in West Punjab, and as much industrial alcohol as the territory can use is coming from sugar mills in East Pakistan. New plants for the manufacture of oxy-acetylene gases are planned for Karachi and Chittagong to supplement present production facilities at Lahore.

•

Spain: Spanish chemical production figures reveal that production for the first five months of the year in ammonium chloride was 259 tons (384 tons in 1950), in ammonium sulphate 7470 tons (4505 tons in 1950), and in calcium superphosphate 412,673 tons (397,830 tons in 1950).

•

Western Germany: Quality of synthetic gasoline produced by the Fischer-Tropsch synthesis has been so improved that fuels with a 70-80 octane rating can now be made together with first class lubrication oils. Costs of the process have been lowered 30-40%. In place of coke, inferior brands of coal can now be utilized for gasification.

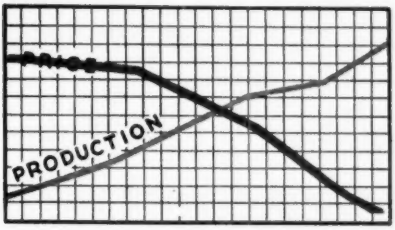
There are at present six Fischer-Tropsch installations in Western Germany. Investments up to 80 million Deutsche Marks ($19 million) will be needed to modernize these plants.

•

Alcohol: "Lenzinger Cellulose und Papierfabrik" at Lenzing, Upper Austria (U.S. zone) is building installations to convert sugar (contained in the residue of staple fiber from fir wood) into alcohol. A yield of 16.5-20 gallons of 96% alcohol can be obtained from each ton of staple fiber.

At present there are six such alcohol plants in Austria with a total capacity of three million gallons. Production for 1950 totaled 1.9 million gallons.

CELANESE*
Butylene Glycols



PRODUCTION LOWERS THE PRICE

1 The new, low price for Butylene Glycols make these versatile Celanese chemicals a practical possibility in hundreds of manufacturing processes.

2 Celanese 1,3 Butylene Glycol is a high boiling, low volatility, low toxicity solvent with hygroscopic properties which make it interesting to the tobacco, cosmetic and related fields as a replacement for or to complement other glycols and glycerine. It is also used for phthalic, maleic and fumaric alkyd resins and polyesters for plasticizers, coatings and laminates and as a solvent for steamset inks.

3 Celanese 2,3 Butylene Glycol with two adjacent hydroxyl groups offers interesting possibilities as a chemical intermediate. High solubility in castor oil and rubber swell inhibiting properties, falling between propylene and dipropylene glycol, offer brake fluid formulators an attractive new glycol. Its high boiling point, excellent solvent and hygroscopic properties, make it of interest for steam set inks, textile lubricants, printing pastes and dyes.

4 Butylene Glycol is being produced in dependable, high volume that assures you continuity of supply and a steady price structure. Write for Bulletins N-26 (1,3 Butanediol) and N-27 (2,3 Butanediol). Celanese Corporation of America, Chemical Division, Dept. **502-K,** 180 Madison Avenue, New York 16.

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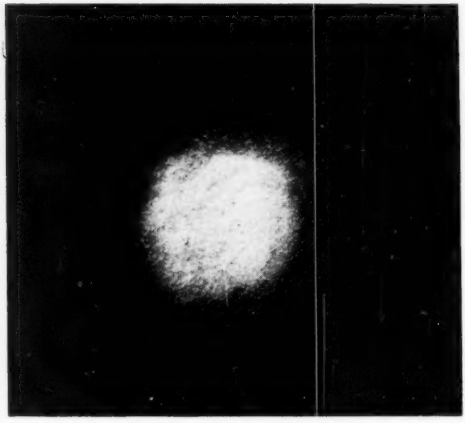
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Turning dark to light is not magic when you use Adsorbols. These natural, chemically activated and scientifically controlled clays are effectively used for the bleaching and deodorizing of oils, fats, fatty acids and waxes. Literature gladly sent upon request.



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Iscolized Gums eliminate presoaking and they are processed to give quick dispersion. These are only two features of one of the new products developed by ISCO to cut down manufacturing time.

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KEY CHANGES . .

Wilfred B. Elterich: To director of market research, Schenley Laboratories, Inc.

Dr. L. B. Parsons: From assistant director of research and development to director of research and development, Lever Brothers Co.

Walter H. Farley: From Charles H. Huisking Co., Brooklyn, to purchasing agent, J. T. Baker Chemical Co.

Theodore J. Kessler: To assistant traffic manager, Victor Chemical Works.

Dr. Leo J. Novak: From technical director, Ethicon Suture Laboratories, to chief, Biological Laboratory Division, Commonwealth Engineering Co. of Ohio.

Jack H. Dollinger: From assistant sales manager to sales manager, Glyco Products Co., Inc.

C. Howard Black: From manager of engineering for Construction Materials Division to general manager General Electric Co.'s Meter and Instrument Dept.

Emory F. Ridlon: From manager, Cellophane Plant, to manager of the newly formed Film Plant of the Buffalo Yerkes Works, E. I. Du Pont de Nemours & Co.

Jack D. Moore: From assistant to the works manager of California chemical operations, to plant superintendent Natividad, Calif. plant of Kaiser Aluminum & Chemical Corp.

John H. Hamilton: From director and manager of pigment sales to vice president Binney & Smith Co.

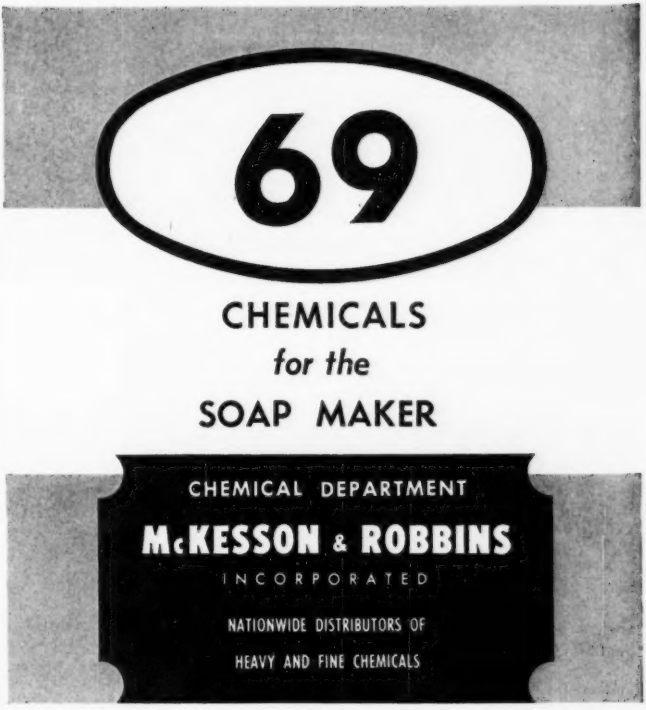
Roger C. Raduns: From supervisor, laundry and sales service, Diamond Alkali Co. to co-owner Industrial Chemical and Supply Co.

Alex MacKenzie: From director, foreign dept. to president Union Carbide International Corp., a division of Union Carbide and Carbon Corp.

Homer Kieweg: From chief engineer, engineering division to manager Central Division, Commercial Solvents Corp.

J. Eckard Wheeler: From manager Sterlington plant to manager Dixie Division, Commercial Solvents Corp.

R. B. Crowell: From manager Agnew plant to manager of the Western Division, Commercial Solvents Corp.



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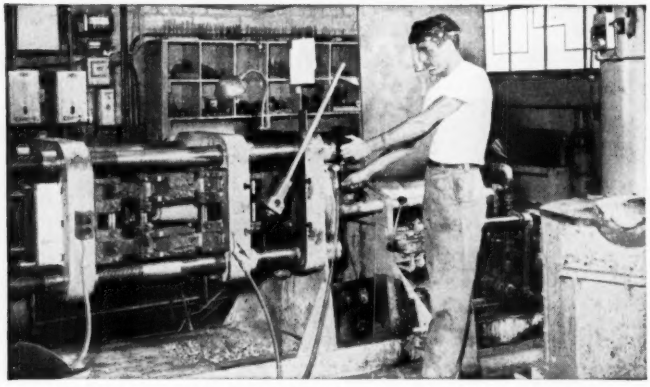
FOR YOUR INFORMATION

Every month Monsanto publishes these pages of pertinent information which may be helpful to you. This issue discusses:

Hydraulic Fluid Cutting Oil Additive Defoaming Agent
Plasticizers Wetting Agent Intermediates

Additional information on any of these subjects will be provided by any Monsanto Sales Office in response to your request by coupon or letter.

PROOF OF PYDRAUL F-9 SAFETY



Richard N. Patterson, operator of a die-casting machine in the Smith-Johnson Corporation plant, escaped serious injury because his company had switched to Pydraul F-9.

No flash...no fire... when hydraulic line breaks at die-casting machine. Employes escape injury.

Officials and employes of Smith-Johnson Corporation, Los Angeles, are mighty glad the company switched to Monsanto Pydraul* F-9, nonflammable-type hydraulic fluid.

A line leak caused Pydraul F-9 to be sprayed over the area of a die-casting machine and zinc melting pot. There was no flash . . . no fire . . . no blast.

Although the operator of the machine was drenched and fluid was sprayed on about a half dozen men who were observing his job, no one was seriously injured. With an ordinary hydraulic fluid, there would probably have been a flash fire. Property could have been destroyed . . . lives lost.

You can switch to safe, efficient Pydraul F-9 simply by draining your present fluid and refilling.

The nonflammability of Pydraul F-9 has been proved in numerous tests such as:

Pydraul F-9 did not flash or ignite when sprayed, dripped or flooded on molten metal heated to approximately 1,500° F.

Pydraul F-9 did not flash or ignite when sprayed, at 1,000 p.s.i., into the 6,000° F. zone of an oxyacetylene welding torch flame.

Pydraul F-9 gives you economy and efficiency as well as safety. It shows high resistance to mechanical shear and chemical breakdown. It is high in lubricity and does not corrode metals ordinarily used in machine construction.

For details on safe, efficient, economical Pydraul F-9, mail the coupon or contact the nearest Monsanto Sales Office.

• • • • •

MAIL COUPON for a copy of Monsanto's new Technical Bulletin No. O-78, which gives details on the use of orthonitrobiphenyl as a plasticizer and chemical intermediate.

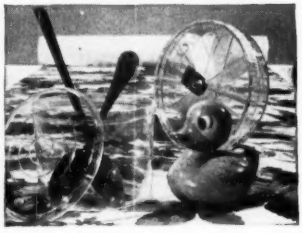
INVESTIGATE SANTICIZER 8 for molded plastics...coatings...adhesives

Monsanto's Santicizer* 8 is a plasticizer with a diversity of applications that is available for immediate shipment. Santicizer 8 is a mixture of N-ethyl ortho and para toluene sulfonamides. Read these important facts on the uses of Santicizer 8:

In Molded Plastics: One of the leading plasticizers for nylon. Imparts high tensile strength, brilliance and polish, elongation and flexibility to cellulose acetate sheeting and film. Practically insoluble in hydrocarbons, giving outstanding service in products that must withstand gasoline and oil.

In Coatings: Highly compatible with nitrocellulose lacquers; gives excellent brilliance and gloss, flexibility, moisture resistance and adhesion. Compatible with proteins and with zein and casein coatings to at least 50% by weight, improving flexibility, water resistance, gloss and adhesion. An excellent dye solvent, it enhances the brilliance of oil-soluble colors.

In Adhesives: A first-rate plasticizer for use in hot-melt adhesives. Particularly useful for imparting tack and adhesion to polyvinyl acetate and polyvinyl butyral resins. Adds adhesive qualities to lacquers and coatings.



For further information or a sample of Santicizer 8, mail the coupon or contact the nearest Monsanto Sales Office.

• • • • •

Ortho-ETHYLNITROBENZENE is available for immediate shipment from Monsanto. Widely used as an intermediate, ortho-ethylnitrobenzene probably has many undiscovered uses. It may take the place of a chemical that now is difficult to obtain. Contact nearest Monsanto Sales Office for prices and shipping information.

HB-40 extends primary plasticizers ...lowers costs

Regardless of your supply situation on plasticizers, have a look at Monsanto HB-40. You can get it by the drum or carload and at a price so low that it can be the means of lowering your production costs. You can benefit from HB-40 availability and economy without sacrificing quality in your vinyl products.

Monsanto HB-40 (partially hydrogenated terphenyl) is essentially colorless, odorless and practically nontoxic. Since it is nearly water-white, properly stabilized HB-40 can be used in clear and pastel-shaded plastics. Even with substantial amounts of HB-40, such products have excellent heat and light stability.

HB-40 is used as a coplasticizer or as an extender for primary plasticizers in:

Vinyl extrusions—Profile, tubing, belting and wire coating, both electrical and non-electrical.

Vinyl pastes—Organosols and plastisols, for fabric coating, free film, floor coverings and dip coatings.

Vinyl slush moldings—Plastisols for slush molding operations.

Vinyl calendering—Thin film and sheeting, both supported and nonsupported.

For technical information on the use of Monsanto HB-40, mail the coupon or contact the nearest Monsanto Sales Office.

Santolube 52 improves cutting oil

The addition of Monsanto Santolube* 52 to cutting oil steps up tapping efficiency . . . steps up threading efficiency . . . lengthens tool life.

As little as 2% of Santolube 52 may replace as much as 10% fatty oil component of certain cutting oil types and yet give improved tapping and threading efficiency.

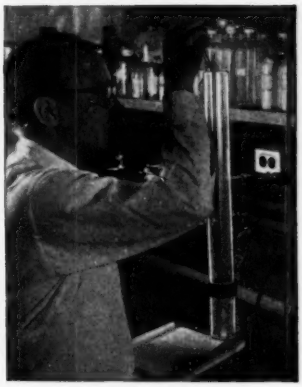
Santolube 52 contains no sulfur or chlorine, therefore it makes practically no difference in the ratio of these elements in your cutting fluid.

Mail the coupon for data on Santolube 52 and for details on its use in cutting oils.

Monsanto AE-1 proves efficient in number of industrial processes



Without AE-1



With AE-1

Monsanto AE-1, a new, high-molecular-weight alcohol-ester, is efficient in a number of industrial applications. It is low in price and available in quantity.

Its use as a defoaming agent is illustrated. The picture at the left shows a solution without AE-1. At the right, you see the same solution to which a small amount of AE-1 has been added. AE-1 is used as a defoaming agent in the production of ethyl alcohol, glycerol, yeast, polystyrene latex water dispersions and in other applications.

Suggested uses include: Plasticizer and coplasticizer for melamine and urea resins, polyvinyl alcohol; in printing ink; solubilizing agent and anti-blooming agent for pentachlorophenol wood preservatives.

Mail the coupon for a copy of Technical Bulletin No. P-140, describing AE-1.

Santomerse No. 1 efficient wetter

If you have processes requiring an efficient wetting agent, emulsifier or detergent, take a good look at Monsanto Santomerse* No. 1.

Santomerse No. 1 is efficient in hard or soft water . . . in hot or cold solutions . . . in acid or alkaline baths. Santomerse No. 1 can be used in operations where the pH is critical because it assumes the pH of the solution in which it is used.

Why not investigate Santomerse No. 1 now? Mail the coupon for a copy of Monsanto's booklet, "*Santomerse No. 1 All-purpose wetting agent and detergent.*"

MONSANTO CHEMICAL COMPANY, 1700 South Second Street, St. Louis 4, Missouri. District Sales Offices: Birmingham, Boston, Charlotte, Chicago, Cincinnati, Cleveland, Detroit, Los Angeles, New York, Philadelphia, Portland, Ore., San Francisco, Seattle. In Canada, Monsanto (Canada) Ltd., Montreal.

*Reg. U. S. Pat. Off.

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- ☐ Ortho-Ethylnitrobenzene.
- ☐ Santicizer 8. ☐ Pydraul F-9.

SEND LITERATURE:
- ☐ Bulletin O-78, Ortho-Nitrobiphenyl.
- ☐ Bulletin P-140, AE-1.
- ☐ Booklet, Santomerse No. 1.

SEND SAMPLE: ☐ Santicizer 8.

MONSANTO CHEMICAL COMPANY
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Houghton protects every customer *by protecting every drum with* Tri-Sure Closures



E. F. Houghton & Co. of Philadelphia manufactures one of the largest lines of industrial lubricants, metal-working oils, and textile oils and chemicals.

The company built a national reputation on *purity of product*. So since 1936, Houghton has made it company policy to *protect* that purity by equipping every drum with Tri-Sure Closures.*

Houghton, like so many shippers of quality oils and chemicals, uses Tri-Sure Closures year after year, because customers recognize the Tri-Sure *Flange*, *Plug* and *Seal* as positive protection from leakage, pilferage and contamination.

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For 15 years Tri-Sure Closures have guarded the Houghton Line of Industrial Oils, Lubricants and Chemicals

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REMOVAL OF URANIUM AND PLUTONIUM	RADIOACTIVE SOUP	———	———
CONCENTRATION	GROSS FISSION PRODUCTS	1—1,000	10¢—$1
REMOVAL OF NON-RADIOACTIVE CONTAMINANTS	SEMI-REFINED FISSION PRODUCTS	up to 5,000	20¢—$2
CHEMICAL GROUP SEPARATION	MIXED FISSION PRODUCTS	up to 10,000	50¢—$5
SEPARATION INTO INDIVIDUAL ISOTOPES	STRONTIUM 90	up to 15,000	$2
	CERIUM 137		$5
	Separated Fission Products	up to 10,000	

Fission Forecast

Large-scale industrial utilization of radioactive fission products is a good bet for the not-too-distant future.

Potential uses are many, but their realization must await the solution of difficult technological and marketing problems. When these problems finally are licked . . .

Demand for fission products should be substantial, yet dependent in large measure upon their cost.

"**Economic benefits** important to industry, the general public, and the United States Atomic Energy Commission can be realized if large quantities of low-cost, radioactive fission products are made available for industrial use." That's a major conclusion made public this week by the Stanford Research Institute after a long, close look *(CW, Mar. 24)* at fission products and their industrial potential.

Fission products are not to be confused with the pure radioisotopes the AEC has been selling for the past few years. Unlike their more refined cousins, fission products are nothing more than crude by-products of plutonium manufacture. Since 1944, when the atomic furnaces got going in earnest, millions of gallons of these hot wastes have accumulated in huge underground vats at the various AEC installations. The amount is still increasing, and increasing with it is the job of disposal.

What to do with this sea of radioactive debris has been a stickler to the AEC. Disposal is a complicated and expensive process; putting the tremendous radioactivity to profitable work was an appealing, if unexplored, avenue. At any rate the idea was deemed worthy of serious study and that's where the Stanford Research Institute came in. SRI's industrial economists got the job, settled down to a survey of possible uses, size of potential markets, and technological areas in need of further research and development. Their findings could be the herald-note of the atomic era in industry.

Cheaper and Easier: Fission products don't have any new or unique talent to offer industry. They are a source of radiation—the same radiation already obtainable by other more familiar means. Their real value is in their ability to supply this radiation at less cost and in more convenient forms. In this light, they will compete with radioisotopes and radiation-producing machines, but won't stand a chance against coal or gas in jobs which can be done by heat.

From a physical or chemical viewpoint, fission products cover a lot of ground. In the broad sense the term refers to the unrefined mixture of elements resulting from the splitting of uranium in atomic furnaces. For practical industrial purposes this crude mixture requires some degree of processing and would eventually wind up as a series of progressively higher grade products.

The upgrading procedure works like this. After irradiation in the reactor, uranium and plutonium are separated from the charge leaving a heterogeneous mixture of radioactive by-products, water, salts, and certain contaminants. The solid mass remaining after water removal is called "gross fission products." Further treatment to take out non-radioactive contaminants gives "semi-refined fission products." This semi-refined material, separated into groups of isotopes for better definition of radiation, is termed "mixed fission products." A final breakdown into specific isotopes yields "separated fission products." These "separated fission products" contain a number of radioisotopes of which the most important are strontium 90 and cesium 137.

Processing of fission products serves two purposes. The first is concentration, or increasing the activity per unit of mass. But separation according to type of emission is also important. Useful applications of radioactivity are divided into two categories depending upon their need for beta or gamma radiation. Operations which make efficient use of both are not known. Gamma radiation is available from all four groups of fission products; beta radiation may be had from separated isotopes or mixed products from which gamma emitters have been removed.

Tried and true industrial uses for fission products are few, but the field is still in its infancy. In time a growing awareness of its possibilities will hypo development of new and as yet unsuspected applications.

SRI has surveyed potential large-scale applications with an eye for market size based on maximum cost for fission products. The scorecard, broken down according to stage of technological development, reads as follows. Ripe for commercialization:

- Activation of phosphors – Estimated market for tens of thousands of curies* a year at a maximum cost of $50 per curie.
- Static eliminators – Estimated market for thousands of curies a year at a maximum cost of $100 per curie.
- Fluorescent light tubes – Estimated market for hundreds of curies a year at a maximum cost of $100 per curie.
- Radiation source for instruments –Estimated market for hundreds of curies a year at a maximum cost of $100 per curie.

Ready in two to five years:

- Industrial radiography – Estimated market for hundreds of thousands of curies with small annual replenishment at a maximum cost of $5 to $50 per curie.
- Cold sterilization of drugs and foods–Estimated market for hundreds of millions of curies with small annual replenishment at costs within the 1¢ to $2 range.

In addition, a certain amount of basic technical knowledge is available on uses like surface sterilization of fruits and vegetables, but because of a lack of applied research, a date of commercial readiness cannot be estimated. Closer to the chemical scene, applications like the promulgation of polymerization, halogenation and oxidation are still little more than food for thought.

Problems Galore: Before commercialization of any use can be attempted, a great many problems must be overcome. On the technical side they exist in the design of plants to process fission products, development of products in forms suitable to different end uses, need for special handling equipment and instrumentation. Marketing won't be easy either. Pricing policy, promotional effort, engineering services, mechanics of distribution, training personnel, patent policy, safety regulation and education all present their own special headaches. And all of these considerations are over and above the research needed by the consumer to polish up his actual process application.

At this stage of the game fission products are just a tempting pencil-and-paper industrial proposition. Even AEC isn't decided on whether it's advisable to make the radioactive wastes available to industry. But in the face of stepped-up atomic development it's better than even money that wholesale trade in hot atoms is not too distant.

* Amount of material equivalent in radiant energy to a gram of radium. Curies may be converted to watts, a unit of power more useful to industry.

Triple Threat

An electronic instrument that qualitatively analyzes unknown solutions, determines concentrations of dissolved substances and separates out pure fractions has been developed by researchers at the University of California.

Designed and built by chemists Alfred Deutsch, Max S. Dunn and Richard Zuckerman, the new instrument – a continuous flow recording spectrophotometer–has the makings of a prime research tool for analysis and fractionation of ultraviolet-absorbing substances. It's accurate and automatic, reduces to a fraction the time taken up by tedious chemical methods.

Theory and operation of the spectrophotometer is simple enough. The solution to be analyzed is first passed through a resin chromatographic column. Upon elution with the proper selective solvent, the adsorbed ions are carried through a modified Beckman spectrophotometer; per cent transmission and volume throughput are recorded. Fractions corresponding to each optical density peak are drawn off by means of electrically-operated valves activated by the recorder. Either the analysis or separation step may be bypassed when desired.

Talent For Genes: Biochemical problems will have first call on the machine's attentions. It should prove especially valuable to cancer research by supplying much-needed data on the occurrence of nucleic substances in normal and pathological cells. Another use for its talents will be in basic studies of genes and chromosomes.

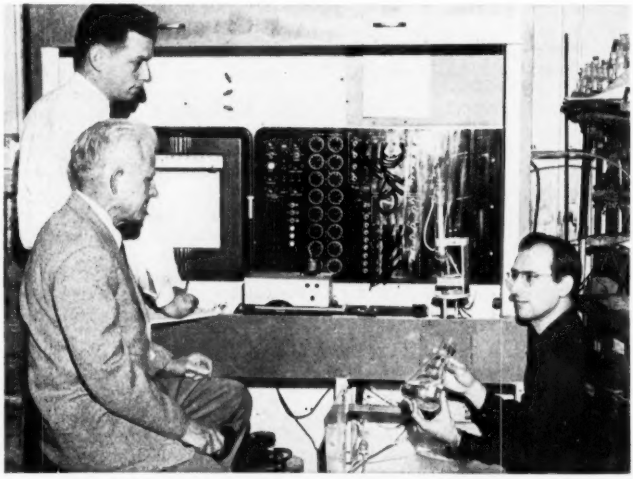
Ways and means of commercializing the instrument are now being investigated. It's adaptable (separation capacity is limited only by the size of the chromatographic column) and should be useful to many industrial research laboratories. Cost, now estimated at about $10,000, could be reduced considerably by quantity production.

Now It's A to P

A new citrus by-product will have its commercial debut this week. It's vitamin P, an anti-radiation sickness factor showing additional promise in the treatment of tuberculosis. The Pasco Packing Co., Dade City, Fla., is in production with a process developed at Florida Southern College.

Vitamin P, a discovery of Nobel Prize winner Albert Szent-Gyorgy, made news recently with its ability to offset the harmful physiological effects of radiation. Experiments on laboratory animals showed that the vitamin upped chances of survival after a stiff dose of X-rays.

Significance of this revelation is immediately obvious to the medical



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REG. U. S. PAT. OFF.

DEVELOPMENT NEWS

NEW PLURONICS HAVE WIDE RANGE OF APPLICATION

Four Now Available . . . Controlled Hydrophobic Action Offers Other Future Possibilities

The Pluronics, a series of nonionic surface active agents recently developed by Wyandotte, embrace a group of products that offer properties of superior detergency and complete rinsability.

Four Pluronics are now available. Many others of varying molecular weight, given any hydrophobic-hydrophilic ratio, can be developed to meet requirements exactly.

Three of the Pluronics are liquid — Pluronic L44, Pluronic L62 and Pluronic L64. The fourth, Pluronic F68, is a free-flowing flake. All contain 100% active agent and have no diluent or filler. In a test of acute oral toxicity and acute intravenous toxicity, Pluronic F68 has been found to have a relatively low order of toxicity.

Pluronics Outstanding in These Applications

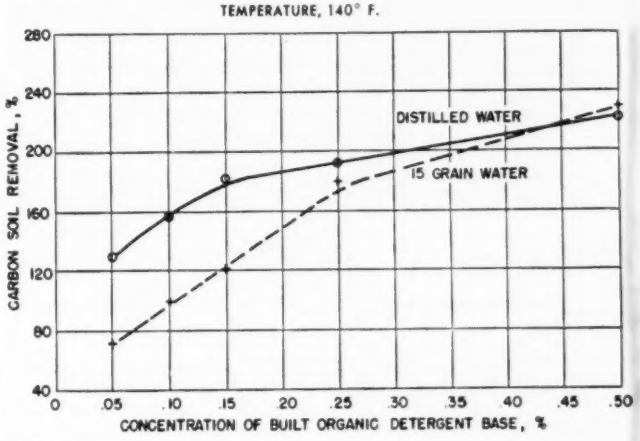
Textiles. In the manufacture of all fabrics—wool, cotton, silk and synthetics—the Pluronics have shown their usefulness in applications of kier boiling, desizing, boiling off, scouring, lanolin recovery, size removal and many others.

Plasticizers. Outstanding among surface active materials for this application, the Pluronics are also suitable plasticizing agents for phenol formaldehyde and low molecular weight polystyrene resins.

Formulated Detergents. Field evaluations indicate that the Pluronics will distinguish themselves in detergents for use in mechanical dishwashing, general dairy cleaning, detergent sanitizers, home laundry, location rug cleaning, and as a scouring powder and detergent sanitizer.

Dentifrices. Virtually tasteless and relatively non-toxic, Pluronic F68 is a unique nonionic detergent that has fine possibilities in toothpaste and tooth powder formulations.

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• Here is one of many successful uses of Pluronic F68. It shows how a free-flowing organic detergent base may be used in the development of a completely built detergent. The effect of concentration on the detergency properties of this composition was studied in both distilled and hard water over a range to include typical use concentrations. Whiteness retention values were 200% or greater at all concentrations above 0.05%. Results of carbon soil removal tests in distilled and 15-grain water are graphed above.

Wyandotte REG. U. S. PAT. OFF.

DEVELOPMENT DEPARTMENT, CI-11

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RESEARCH . . . . . .

profession. Vitamin P should be a valuable adjunct to the radiation therapy of cancer. Moreover it could also play an important part in lessening the potential human toll of an atomic war.

Exact mechanism of the vitamin's protective action is still not clear. But this much is known: Vitamin P is an anti-hemorrhagic agent; and internal bleeding—which goes hand-in-hand with radiation sickness—caused many of the deaths following the atom blasts at Hiroshima and Nagasaki. The irradiated laboratory animals also succumbed from loss of blood.

Hopes that the new vitamin may be of use in the treatment of tuberculosis were fostered by a report out of Florida that the TB bacillus is easy prey to the vitamin in vitro. But this work is still too young for anything more than a hint at the vitamin's possibilities.

Needed, a Buyer: Pasco Packing Co. extracts vitamin P from molasses made of citrus hull juices. Initial production will be about 50 pounds a day. Although none of the new citrus vitamin has been sold yet, Pasco probably will market the product through the U.S. Vitamin Corp.

Credits for the manufacturing process rightfully belongs to James B. Redd, former director of citrus research at Florida Southern College, and Boris Sokoloff who heads up the Florida Southern Bio-Research Laboratory. Together with Walter H. Eddy, responsible for much of the biochemical investigation, they have sparked the development of a new and potentially important facet of the citrus by-product industry.

•

Piperidine's Back: Piperidine, conspicuous by its recent absence, is once more available from the Eastman Organic Chemicals Department of Distillation Products Industries. A high-purity product, the compound is being offered in small quantities for research and development purposes. At one time a drum-quantity chemical, piperidine bowed out when a shortage of catalyst nickel put an economic squeeze on commercial production.

•

More Space: A new research building at the Charleston (W. Va.) plant of Westvaco Chemical Division (Food Machinery and Chemical Corp.) is due for completion about the middle of next year. The new laboratories, will cost the company $500,000, accommodate about 120 researchers.

•

New Antibiotic: Researchers at the University of Illinois have isolated



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Subscription Price $100 a Share

During and after the expiration of the subscription period, the several underwriters may offer shares of Cumulative Preferred Stock, 1951 Series, at prices which will not be below the Subscription Price set forth above, less, in the case of sales to dealers, the concession allowed to dealers, and not more than either the last sale or the current offering price of the Cumulative Preferred Stock, 1951 Series, on the New York Stock Exchange, whichever is greater, plus accrued dividends, if any, and an amount equal to the Stock Exchange commission.

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RESEARCH . . . . . .

endomycin, an antibiotic produced by an unidentified species of the mold streptomyces. Early tests have shown the substance effective against many pathogenic fungi and gram-positive bacteria. The antibiotic has been prepared as an acid and salt, both stable to heat, acid and alkali.

•

PVA News: Parke, Davis & Co. researchers have found that foods which in powdered form normally tend to absorb moisture, can be converted to fine, free-flowing, non-hygroscopic products by mixing with polyvinyl alcohol before drying. Here's how it's done. Soluble coffee, for example, is dissolved in water, mixed with aqueous polyvinyl alcohol, dried in vacuo and ground. Milk and eggs respond to the same treatment.

•

New Wing: Mann Research Laboratories, Inc., a new subsidiary of Mann Fine Chemicals, Inc., has been set up to consolidate research and production of the company's line of chemicals. Facilities for the new organization will be located in Passaic, N.J.

•

Exposed: Reversion in storage is one big reason why soy oil has never been more popular in salad oil formulations. Researchers at the U.S.D.A.'s Northern Regional Research Laboratory (Peoria, Ill.) have just put the blame on certain aldehydes as cause of the odorous trouble. Degradation of linolinic acid is believed to be the mechanism of formation of the disagreeable aldehydes.

•

Wax Extender: Emery Industries, Inc., is now offering C-842-R, a white crystalline long-chain ketone. The compound is insoluble in water and only slightly soluble in hot alcohol and ether. Wax extender looks like a probable use.

•

Dutch Treat: Holland's first try at the treatment of cancer with radio-active cobalt will begin shortly at Maastricht hospital. The isotope was delivered from Oak Ridge, donated to Dutch medical researchers with the compliments of the U.S. European medics feel that cobalt soon will supplant radium as the therapy of choice.

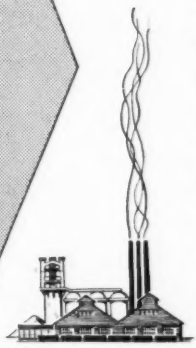
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Soap Test: Spectrophotometric analysis is the basis of an accurate new technique for determining hexachlorophene in soap. The procedure calls for treatment of the soap with alcohol, barium bromide and ferric chloride followed by a spectrophotometric check at 550 millimicrons.

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RIGID PVC (Geon) FABRICATION: Gear housings now, needle valves next.

Plants of Plastic

Plastic developments carry double significance for the chemical industry: more outlets, new equipment.

A market of 100 million lbs. for structural shapes of rigid PVC is foreseen in five or ten years.

An English machine and a French fiber highlight foreign contributions as activity here boils over.

Developments in the fabrication of plastics that broaden the scope of end usage have always borne a commercial significance for the chemical industry, since it supplies the raw material. Now developments in molding plastic equipment will have a double effect. Not only will they provide additional outlets for chemicals; they will give the industry new structural shapes for its corrosive processes.

At present, three plastics are destined for wider application as construction materials for the process industries: unplasticized polyvinyl chloride (PVC), polyethylene and reinforced polyesters. And of the three, rigid PVC is the fastest growing.

One resin producer has made a market survey, figures that, with normal growth, structural shapes made of rigid PVC will be taking 100 million lbs. of the resin in five or ten years. Unquestionably, the present shortage of metal will play a big role in putting the material on a commercial footing. Although most resin producers and plastic fabricators shy away from the word "substitute" in connection with plastics (they prefer to think of them as replacements—either superior or cheaper) none can deny that the metal scarcity has given a tremendous impetus to plastic development.

Imported from England: Rigid PVC has been used extensively in Europe for some time but only recently has it gained any acceptance here. And, as might be expected, some of the European know-how is being imported. The Stokes-Windsor extruder, for example, has just been introduced in this country by the F. J. Stokes Machine Co. It has come to this country by an indirect route: It was developed in Italy, patented in Germany, but is made in England for delivery in the U.S.

Stokes, however, won't be merely a distributor. It will stock a complete line of parts, will install a unit of its own for demonstration and engineering purposes.

Capable of forming pipes up to 17 in. in diameter and 22 ft. long, the Stokes-Windsor can extrude tapes, sheets, other forms; and can be used for compounding, coloring and pelletizing. At least five of the machines have been installed here for producing rigid PVC pipe.

From France: Another import item that opens up some attractive possibilities is a rigid PVC fiber for filter cloths. The fiber is made by the Societe Rhoyvyl (Meuse, France); distribution here is being handled by Julian Cerf (New York City). The fiber is said to be suitable for other uses, but the accepted resistance of PVC to chemicals makes it a natural for filter cloths. Presently, National Filter Media Corp. is weaving it for that purpose, but admits to having difficulty in the fabrication. An indication that the firm thinks the material looks promising is the fact that it has doubled its December order for the fiber.

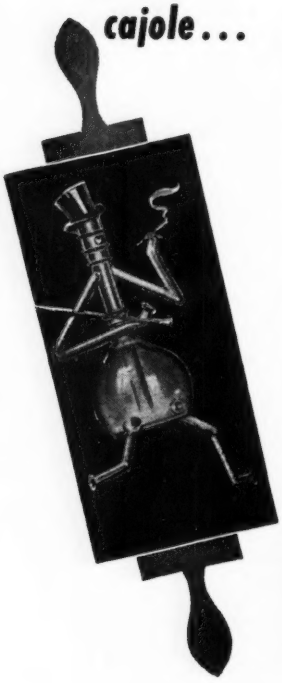
Secret of the French process is carbon disulfide, which does not dissolve the PVC but exerts a synergistic effect on another solvent (of undisclosed formula) which does dissolve it. The result is neither a plasticized strand nor is it a copolymer like Vinyon fiber or saran. Societe Rhovyl produces it in four forms, three of which are suitable for filter cloths.

American Lucoflex is also importing French material for distribution in the U.S. From St. Gobain (France) it gets Lucoflex polyvinyl chloride forms, which it sells to three American firms for fabrication into pipe and other equipment. Lucoflex Plastic Fabricating Inc. (Medway, Mass.) makes structural shapes for the New England area, E. L. Cournand (N.Y.) for the Middle Atlantic states and Van Dorn Iron Works (Cleveland) for the Midwest.

At Home: Van Dorn, however, is working on a non-exclusive basis, uses Goodrich's Geon resins as well. A big maker of jail bars, Van Dorn started fabricating rigid PVC last February. Right now it is doing custom jobs only—the customer furnishes the blueprint and Van Dorn quotes prices—but it hopes eventually to start making standard shapes.

Among the installations the company has already made: tank liners, air and fume ducts for acid tanks, filter tanks, liners for acid-regenerating systems and is in the process of replacing a series of rubber-lined tanks with rigid PVC. Van Dorn reports that it is getting an English extruder (probably the Stokes-Windsor) which should help it establish a business for standard shapes.

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PRODUCTION . . . . . .

Also in Cleveland, American Agile, while confining its efforts to polyethylene now, will go into production of rigid PVC shortly after the first of the year. The company has doubled its working staff, is moving into a new plant in Cleveland this week. As soon as it is settled in the new home, American Agile will start making its plans for PVC.

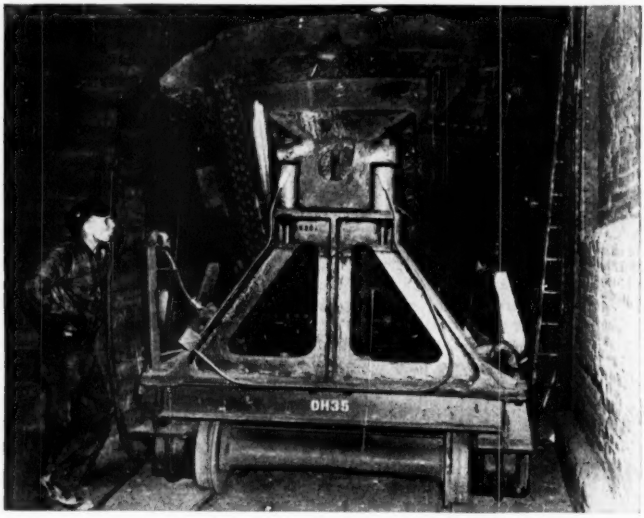
Clopay Corp. (Cincinnati) is another newcomer to the PVC derby. It sells the material under its trade mark, Tuffstuff. Elmer E. Mills (Chicago) reports that it is experimenting with PVC, may soon go into production. And a New England firm is in the process of concluding arrangements whereby it will become exclusive distributor for a manufacturer of rigid polyvinyl chloride shapes. Early in December, it will reveal that it will soon market a line of PVC equipment, from needle valves to fume ducts.

Steere Enterprises has already put the chemical inertness of PVC to good use. It has coated low-carbon nuts and bolts with a Goodrich Geon resin. They are now being used by Industrial Rayon *(C.W. Nov. 10)* as a replacement for stainless steel ones—at 14% of the price of stainless.

Other companies which are—or soon will be—making pipe from rigid PVC: Ideal Plastics (Long Island), Sandee Mfg. Co. (Chicago) and Hedwin Corp. (Baltimore).

One dark spot in an otherwise bright picture for rigid PVC: A Midwest company reports that it has $200,000 worth of rigid PVC on the shelf. It says that it was very enthusiastic about PVC last year but has cooled on the idea since. However, neither the resin producer nor the firm's competitors can hazard a guess why the company has changed its stand.

Competition: Rigid PVC pipe and structural shapes will run up against some formidable competition, including PVC's chemical cousin, saran. Most of the saran output (90%) is going into monofilaments for fabrics and screens, but there is an established market for saran pipe and fittings. Like PVC, saran is inert to most chemicals, but its high-temperature performance is superior to straight PVC. Neither are suitable for constant operating temperatures in excess of 170-180 F. Saran, however, can be occasionally treated with boiling water without damaging effects.



Large-Scale Electronic Weighing

EXACT CHEMICAL ANALYSIS of molten steel is assured at the Standard Steel Works (Baldwin-Lima-Hamilton Corp.) by Baldwin electronic weighing equipment. Automatic indication of the weight tells the operator how much alloy has been added. Sensitive element is a strain gage—made of very fine wire grids. As the strain gage is deformed (either by compression or tension) the electrical resistance of the wire changes. This change is an accurate measure of the strain or weight. The same principle has been applied in Baldwin equipment for the chemical and petroleum industry to obtain pressure readings in pipe.

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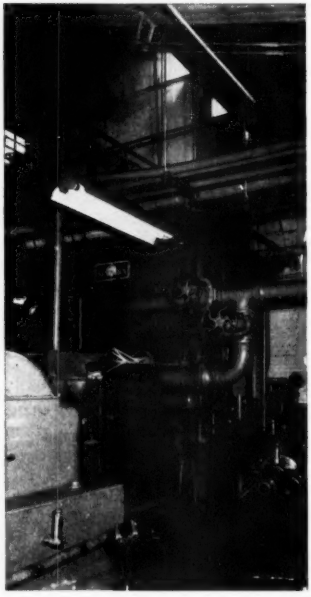
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PRODUCTION . . . .



USCOLITE FUME DUCTS: Plus feature is high impact strength.

The bulk of saran pipe is currently fabricated (under Dow license) by American Hard Rubber and Elmer E. Mills. Dow itself manufactures saran-lined steel pipes and fittings; the material is marketed by the Saran Lined Pipe Co. (Detroit).

U.S. Rubber's Uscolite plastic products are also worth watching. Competitive to saran (although 10% higher in price), the material has established a market in the chemical industry too. It has been used to make all-plastic fume ducts (including rivets) and a number of other pieces of processing equipment. Its resistance is good, but is not recommended for temperatures over 170 F. Biggest plus feature is its high impact strength.

Uscolite is the trade name of U.S. Rubber's line of plastic equipment. It is now being made of Krelastic resins (copolymers of butadiene, acrylonitrile and styrene). However, U.S. Rubber, with its polyvinyl production and molding know-how, could conceivably make Uscolite equipment from rigid PVC. In that case, it could loom as one of the big factors in the field.

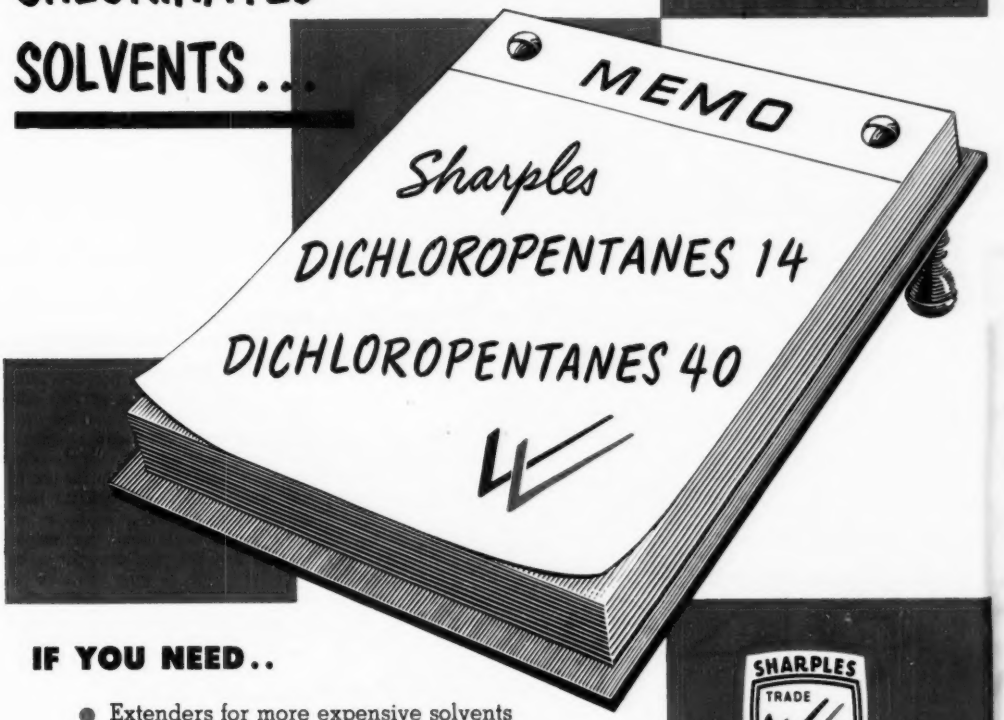
Favorite Son: Rigid PVC structural shapes will also be competitive to



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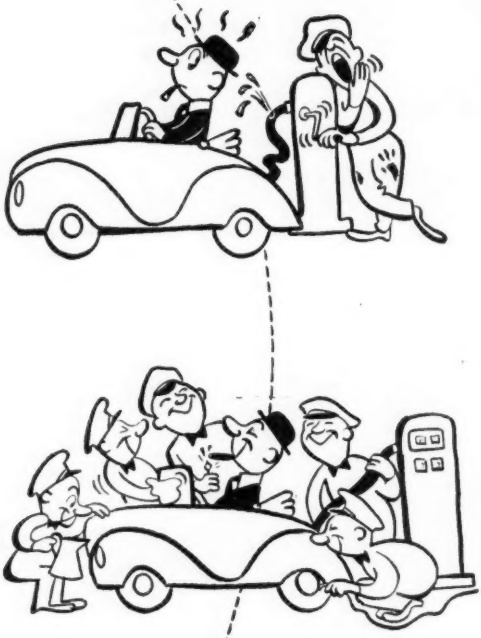
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PRODUCTION . . . .

polyethylene, the packagers' favorite son. Carlon Products, one of the biggest manufacturers of plastic pipe, turns out all types of low-pressure lines for the chemical industry, is using polyethylene exclusively for the job. And American Agile has a versatile line of polyethylene products. Among other things, it manufactures fume ducts and lines pickling acid vats for the plating industry. One new feature the company is plumping for: elimination of steel shells for these vats, since it has found that wood works just as well with polyethylene liners. One job of this type cost the customer $85 using wood and plastic instead of the quoted $169 for steel and plastic.

Other companies producing polyethylene pipe and fittings: Plax Corp. (Hartford, Conn.), Elmer E. Mills and Yardley Plastics (Columbus, Ohio).

Not Resistant: One expert also foresees a potential market of 100 million lbs. in the next decade for reinforced polyester pipe and structural shapes. However, they can be dismissed at least temporarily for use in the chemical industry. Several pipe installations have been made on an experimental scale and the simple truth is that the pipe does not resist chemical attack. In time this may be overcome, but for the immediate future the pipe makers will concentrate on the lucrative markets where chemical resistance is not a prime requisite.

EQUIPMENT . . . .

Lead-Clad Steel: Under a process developed by American Viscose and turned over to Knapp Mills for commercial exploitation, Knapp will start production next month of Ferrolum, lead-clad steel. The process is said to be the first fully-automatic one for producing lead-clad steel; the company expects to sell equipment about 10% cheaper than that produced by current methods. It envisions a big market for the material, particularly in equipment and construction materials for sulfuric acid production. Knapp will license the process, will also sell Ferrolum to other equipment manufacturers.

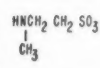
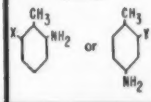
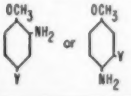
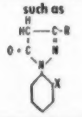
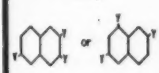
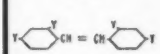
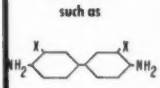
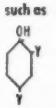
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Metallic Sodium Data: National Distillers is now distributing a booklet detailing procedures for handling metallic sodium. Giving data on properties and first aid methods as well as recommended handling practices, the booklet is designed for use of customers, prospective customers or companies concerned with shipping the metal.

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ABSTRACT DESIGN?

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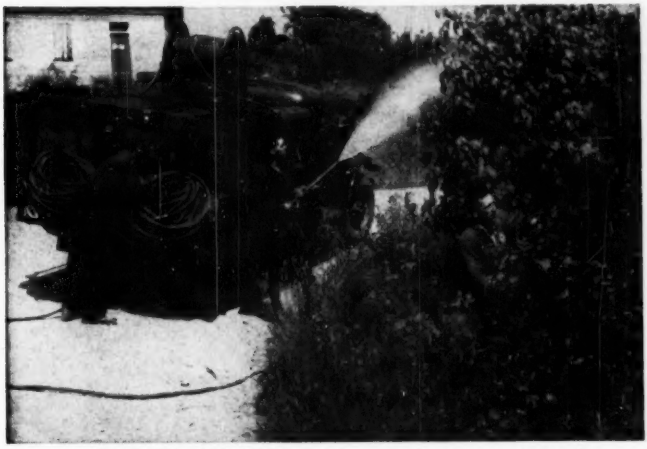


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RUBBER WAX
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AGRICULTURAL SPRAYING: New opportunities for new herbicides.

Weed-Killing Wonders

Commercial-scale production of five new herbicides is in the offing. Goal: multi-million dollar market.

Selective weed killers for cotton and legumes offer biggest opportunities. Final testing will determine toxicity levels, treatment recommendations.

Weed killers, a large-volume agricultural specialty, are about to get some new stimulants.

Results are in on a handful of new compounds tested for use as selective weed killers. Limited production of some of them will be available for testing next year, and if things pan out, large-scale amounts will be produced for the 1953 season.

According to the USDA, which tested 20 new compounds on a variety of crops this summer, the most promising herbicide is 3-chloro isopropyl-N-phenyl carbamate.

Research on IPC (non-clorinated), began three years ago in England, was continued in this country. Only spotty results, however, were reported. It worked well in controlling grass in legumes on the West Coast and in alfalfa in the Southeast.

In attempting to improve results, a number of derivatives were synthesized. The chlorinated offshoot showed most promise.

When used as a pre-planting or pre-emergence spray, it gave excellent results in controlling grass weeds in cotton fields and in controlling chickweed in some legumes.

Application of any herbicide before planting or before a crop has begun to sprout is a somewhat tricky procedure. Many variations in performance can be caused by differences in the type of soil, amount of rainfall after application and the type of weed present in the infestation. Tests aren't as yet extensive enough to make recommendations for use under every variation of soil or climate where cotton and legumes are grown, but present results are encouraging.*

Small quantities of chloro-IPC have been produced by Columbia Southern and by U.S. Industrial Chemicals. Expansion, but not to full commercial scale, is planned for 1952.

While the chlorinated compound has been taking a major share of the bows, don't count normal IPC out of the picture. For it is less toxic to some crops than its derivative. In addition to U.S.I. and Columbia-Southern, J. T. Baker, Dow and American Chemical Paint have produced IPC.

Non-Selective Killer: Another chemical, which received first testing as a selective herbicide, will probably find more use as a non-selective plant killer. The compound is 3(p-chlorophenyl)-1, 1-dimethyl urea, tagged CMU by its DuPont developers.

At a rate of 1½ lbs./acre, CMU gives good control of weeds in cotton, corn and other crops, but if the dosage is accidentally increased to a 2½ lb. rate, both weeds and crop are killed.

For this reason, CMU is recommended for use only to completely kill vegetation on non-crop land. Limited production is planned for 1952, with testing for possible crop use slated to take a large part of this output.

At first glance, CMU would seem to be in direct competition with DuPont's Ammate killer. While CMU is more potent, it is used differently—for a complete kill in such places as railroad rights-of-way. Ammate (ammonium sulfamate) is a foliage spray which eliminates woody growths, but doesn't prevent a regrowth of grass. This is recommended for use on electric line rights-of-way where a grass cover is desirable.

Growth Regulator: Another derby entrant is maleic hydrazide, produced by U.S. Rubber's Naugatuck Division. While it shows some herbicidal properties, it probably will find a wider use as a material to regulate growth of grass.

Hydrazide was tested this summer on Connecticut's Merritt and Wilbur Cross parkways for its ability to keep grass from growing at its normal rate. On 12 plots of the landscaped dividing islands of the highway, the chemical reduced the number of required mowings from 19 to 2. In addition, hydrazide can be mixed with 2,4-D so that a single spraying will also rid grass of certain objectionable weeds.

As a herbicide, maleic hydrazide was effective in killing wild onion which had infested turf and pasture areas. This test was conducted in Mississippi.

In addition to these applications, it has been tested for use in preventing premature sprouting during grain storage.

No large scale production is as yet planned; that awaits results of next year's tests both as a regulator and as a herbicide.

Carbide's Work: Sodium-2,4-dichlorophenoxyethyl sulfate—despite its name similarity, not a derivative of 2,4-D—is carbide's newcomer to the herbicide market. It can be used in killing small weeds sprouting in an established crop area.

* Chloro-IPC has not been effective, so far, in weed control in the North Central states—a major legume-producing area.

It is recommended for weed control in strawberries, a perennial plant. This compound is not effective on weeds over one inch high, as it effects the leaves, not root systems.

Carbide is also experimenting with dichloral urea, which is tentatively recommended as a killer of grass weeds in such broadleaf crops as cotton, sugar beets and rape.

Silicone-Alkyd Surge

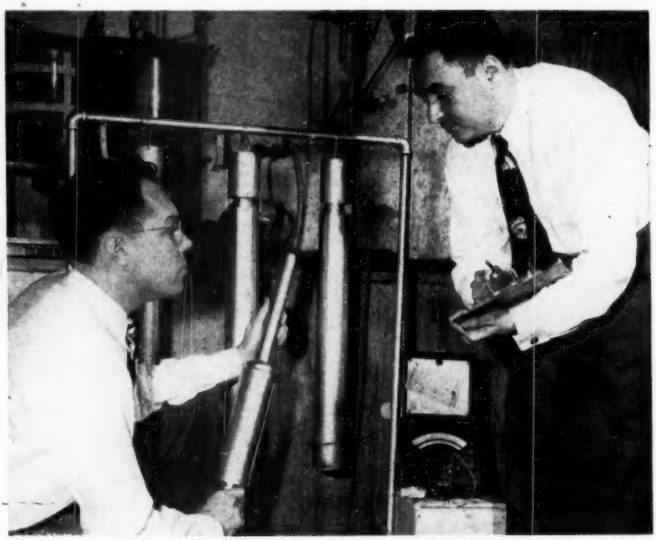
Paint formulators, already highly enthusiastic about high-temperature stability, good weather and chemical resistance of silicone-alkyd copolymers, have something new to shout about this week: a 14-38% price reduction. And further development work on other silicone-alkyd combinations as well as increased production of copolymers promise new raw materials. Libbey-Owens-Ford Glass Co.'s Plaskon Division timed its price reduction just right to coincide with the Paint Industries Show at Atlantic City last week. One of the high points of the show, moreover, was Plaskon's booth with its display of the uses and abuses the silicone-alkyd resins can survive.

Paint formulators could see how the new resin coatings are being successfully applied to motors, exhaust systems, space heaters, outdoor signs, chemical and refinery plant equipment, lighting units, towers, bridges, and naval vessels.

Plaskon's materials—ST-856, a baking enamel; ST-873, an air drying resin; and ST-881, a metallic pigment vehicle, also air drying—are its answer to industry objections to straight silicone resins. Straight silicones are high in price; have low solvent resistance, little thermoplasticity, and poor adhesion to steel; are incompatible with most organic film formers; and need a high curing temperature.

The silicone-alkyd copolymers, however, combine the best properties of the straight silicones and the alkyds. Based on the alkylchlorsilanes, a series of active, colorless, acrid-smelling liquids obtained when the H of trichlorsilane ($HSiCl_3$) is replaced by alkyl groups, the silicone-alkyd copolymers maintain a high gloss and stable color in the 400-500 F range. Some (the metallic pigment vehicles) do not fail even at temperatures as high as 1500 F. They resist weathering and chemical attack, and show excellent hardness and abrasion resistance without consequent loss in flexibility. And, important to assembly line users, they can be air dried or cured at production line speeds.

Head Man: Largely responsible for Plaskon's leadership in silicone-alkyd copolymers is Harold Hoppens, conservative, self-effacing director of the company's resin coating research. Under him, Plaskon is taking the lead in finding new uses, cutting down production costs, boosting volume and sales. If young Hoppens has his way, the company's pilot plant for basic silicones and silicone intermediates* will be parleyed into a full scale operation.



SILICONE-ALKYD COPOLYMERS: Plaskon's Hoppens (left) and coatings researcher Bernard Kress think the pilot plant will soon grow up.

Actually, Plaskon is the only company now producing the silicone-alkyd copolymers in quantity. Dow Corning prefers to make such formulations as the new DC Sylkyd 50, an intermediate designed specifically for preparation of the silicone-alkyd resins, and General Electric Co. is experimenting with a silicone resin that can be mixed directly with existing alkyd resins.

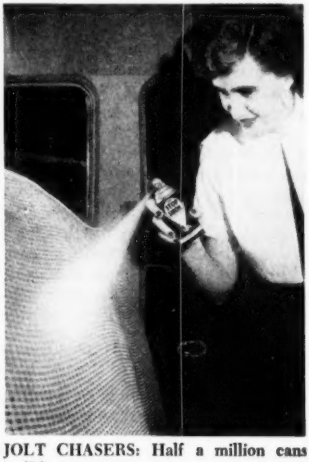
Plaskon people, however, think making the silicone-alkyd copolymers is the right approach, hope volume and sales will justify still another price reduction.

Shock Stoppers

Stop-Shok and Photo-Sweep are two new aerosol-dispensed anti-shock sprays just marketed in this country by Electro-Chemical Products Corp. (East Orange, N.J.) and abroad by Betterby, Inc. (New York City).

Stop-Shok is designed for the huge auto seat cover industry, and Photo-Sweep is a static-eliminating cleaning fluid for photographic film. Both products will be subjects for sales-surging promotion campaigns. One indication of the potential: Sales goal for Stop-Shok is a half million cans in '52.

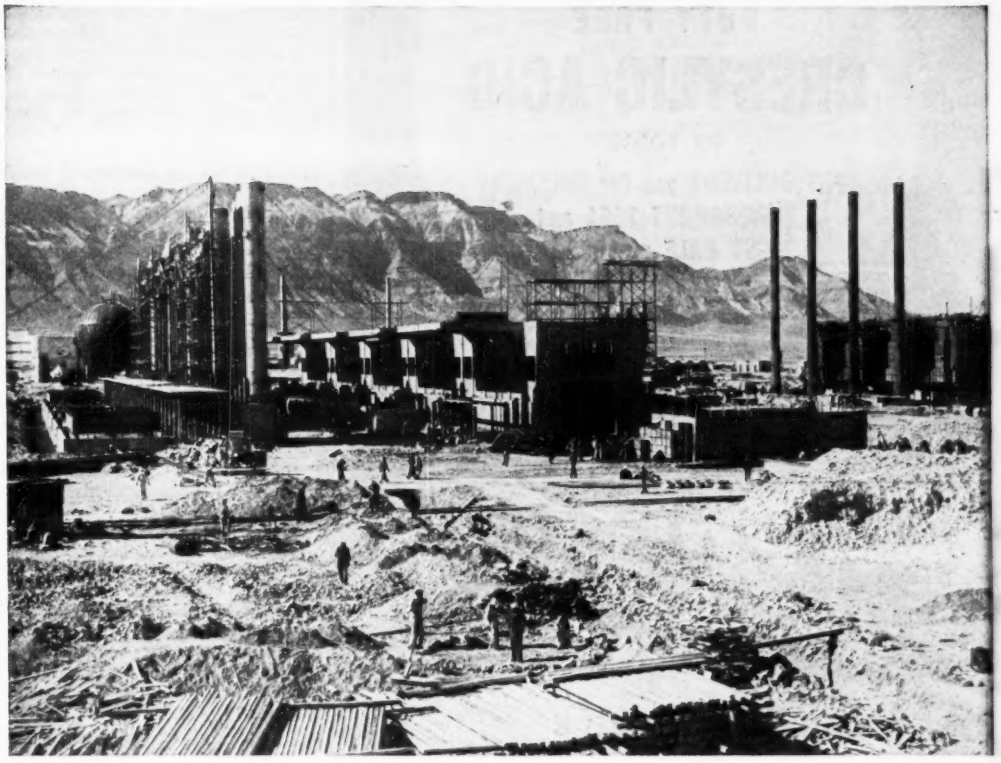
On cool dry days, a person clad in a wool suit or fur coat, sliding in and out of an automobile, generates as much as 16,000 volts of static electricity on the plastic seat covers. This charge will remain 15 or 20 minutes or until discharged (painfully) by passenger contact with the door handle or other metal parts of the car.



JOLT CHASERS: Half a million cans in '52.

* Plaskon currently both buys from other silicone producers and makes its own.

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CC-223

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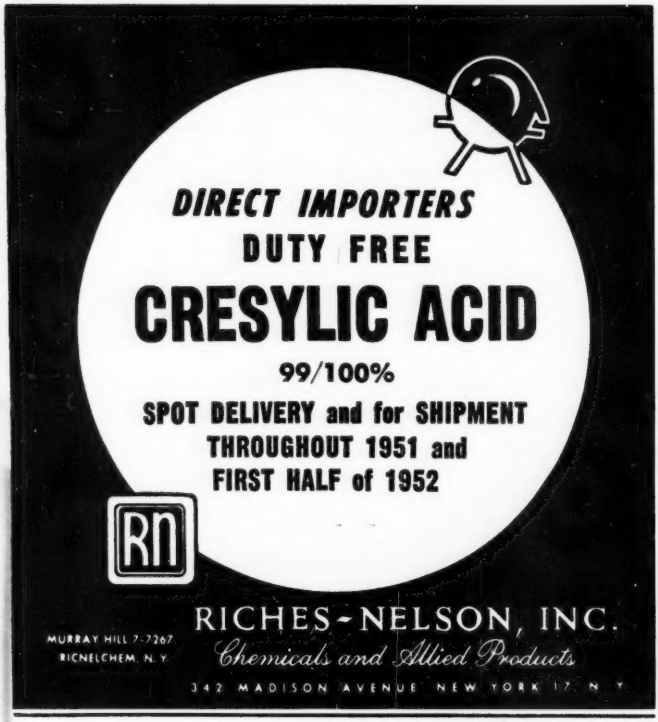
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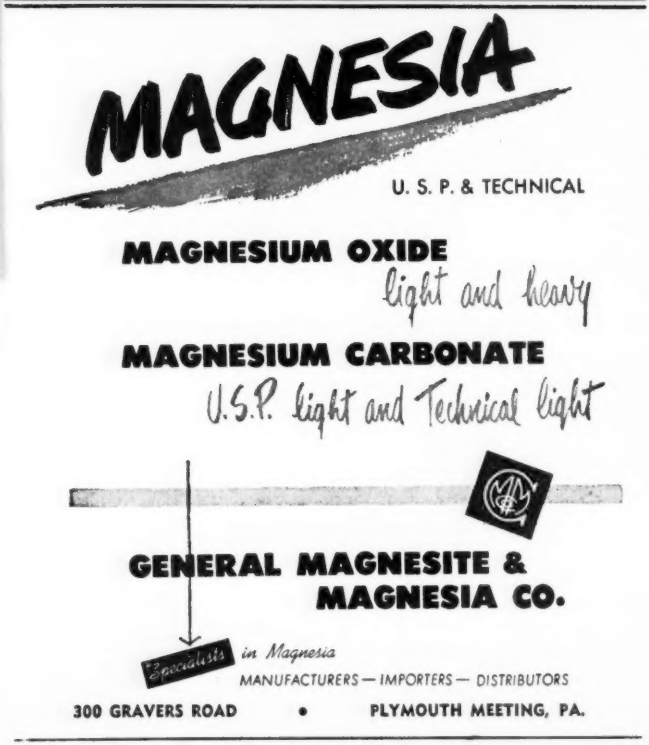
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CHEMICO

Chemico plants are profitable investments





SPECIALTIES . . . .

Stop-Shok ($1.98 for the 6-oz. can) is claimed to eliminate these jolts by bleeding off the static electricity almost as fast as it is formed. Sprayed and rubbed onto the seat covers, it forms a conductive chemical coating one micron thick.

Dust Defier: Similarly Photo-Sweep ($2.25 for 6-oz. can, $1.25 for a 3-oz. bottle) sprayed or otherwise applied to film and other photographic equipment, prevents build-up of static electricity and resulting accumulation of dust and lint. This means fewer retouch jobs on spotty prints, no "static trees." The carrier fluid for the anti-static compound in Photo-Sweep (hexane) has the advantage of being a cleaning agent as well.

Stop-Shok and Photo-Sweep are but two of a number of anti-static electricity compounds developed by Electro-Chemical Corp. President Robert G. Walcutt, close-mouthed about the company's formulas, says that they are not detergents which are the bases of many formulations, nor fatty acid amines or their salts. He describes them as complex inorganic chemical compounds placed in such carriers as Deobase, methyl alcohol, isopropanol, or carbon tetrachloride.

In any event, Electro-Chemical has additional compounds in the works, hopes soon to market a static electricity eliminator for use in laundry rinses to keep nylon and other synthetic materials charge-free, and another to keep static electricity off rugs. Still a third compound is planned to prevent what airmen refer to as St. Elmo's fire—a discharge of static electricity at the wing tips which can be severely damaging to a plane's metal surfaces.

•

Dishwashing Compounds: Pen-Glo and Pen-Gleam are the trade names of Pennsylvania Salt Manufacturing Co.'s latest products for industrial and institutional dishwashing. The former is designed for mechanical dishwashers; the latter, for hand dishwashing. Both are sold in powdered form, Pen-Glo in 250-lb. drums and Pen-Gleam in 125-lb. drums and in case lots of six 10-lb. cans.

•

Flat White Enamel: After four years of field testing and trial marketing, Du Pont is now placing on general sale a true flat white enamel called Dulux Super-White Flat Enamel. Its principal virtue is that it combines the soft decorative appearance of a flat paint with the hardness and durability of enamel.

•

Eskimo Push: Monsanto Chemical,

encouraged by a survey among Greater Boston motorists that showed its Eskimo anti-freeze to be among the top three of 18 brands recognized and accepted by those interviewed, will be aiming for tripled sales volume for the product (both permanent and alcohol-type) in the 1951-1952 season. The company is increasing the number of New England distributors of the line, which was introduced about a year ago.

•

Acrylic Emulsions: Two new stable copolymer dispersions of higher acrylic esters, called Polyco 434 and Polyco 435, have been developed by American Polymer Corp. (Peabody, Mass.). Dry films of these products are said to be flexible, water-clear, non-oxidizable; have moderate to considerable tack and desirable ageing properties. They can be used for adhesives, binders and saturants.

•

Naco Fire: The Fort Pierce, Fla., fertilizer plant of Naco Fertilizer Co., recently enlarged and modernized, has just been destroyed by fire. Building and equipment were valued at an estimated $200,000, but there was also a heavy loss of materials of unestimated value.

•

New N.C. Companies: Aspen Associates, Inc., Greensboro, N.C., has just been chartered to deal in supplies for finishing and cleansing. Authorized capital stock is $200,000; subscribed stock, $300.

W. R. Peele Co., Inc., Clayton, N.C., has been organized with capital stock of $500,000 to deal in drug products.

•

Drug Trade Trypsin: Tryptar, Armour Labs' brand of trypsin, previously available only to hospitals, has been released for general distribution to the drug trade. It is a proteolytic enzyme which in highly purified form digests only dead tissue without affecting live tissue.

•

Carbon Paper Wax: A carnauba substitute designed especially for use in carbon paper manufacture, has been developed by Concord Chemical Co. (Moorestown,N. J.). Main selling point of the new product, trade-named Parwax, is its low cost.

PICTURES IN THIS ISSUE:

p. 13—Elmer Moss Photo; p. 17—Wide World Photo; p. 18—Fred Hess & Son; p. 19—Chas. Pfizer & Co.; p. 40 (bottom)—Camera Associates Inc.; p. 45 Davey Tree Expert Co.; p. 46 (top)—Plaskon Division.

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BOOKS.....

Human Relations in Supervision, by Willard E. Parker and Robert W. Kleemeier. McGraw-Hill Book Co., Inc., New York, N.Y.; vii+472 pp., $4.50.

Directed to the first-line supervisor—whether foreman or office manager—this volume is concerned with the human factor in business and industry. In emphasizing the role and significance of the supervisor in dealing with the human relations aspects of his job, the authors apply the findings of modern psychology to problems of training, motivation, frustration, and discipline. The volume presents modern management principles and goes on to treat the best practices in hiring, inducting, evaluating and counseling the worker, with stress placed on nondirective counseling as a valuable tool to the supervisor when handled effectively. Discussion questions follow each chapter.

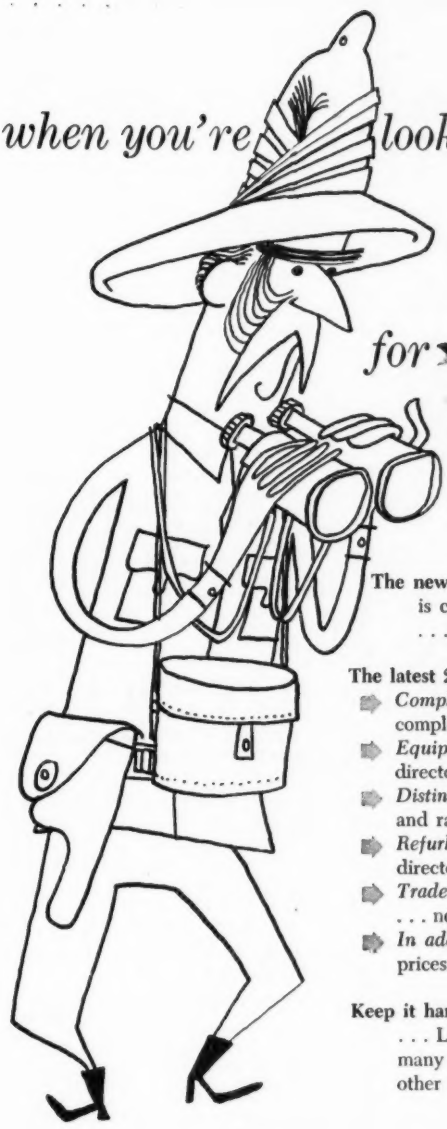
Elements of Plant Protection, by Louis Pyenson. John Wiley & Sons, New York, N.Y.; 538 pp., $4.96.

A study of plant pests—insects, disease-producing organisms, rodents, birds and weeds—and their control is the subject of this volume. Concerned with the nature of plant pests, the author discusses the structure and development of injurious insects, the characteristics of mammals and birds, the causes of plant diseases, and the extent of weed damage. And along with these discussions, there is a practical explanation of the modern means for combating damage of this type through the use of insecticides, herbicides, soil pasteurization and other chemical and natural methods. The author also describes equipment used for plant protection, with reference to their proper selection and maintenance.

Principles of Weed Control, by G. Ahlgren, G. Klingman, and D. Wolf. John Wiley & Sons, Inc., New York, N.Y.; vii+368 pp., $5.50.

This book tackles the problem of weed control, giving attention to all its aspects—the weeds themselves, crops, cultural techniques, chemicals, and weed-seed habits and responses. The authors stress the scientific control of weeds by means of specialized techniques involving applied chemistry and plant physiology; the principal control chemicals with particular emphasis on 2,4-D are discussed with sufficient chemical explanation being given to permit interpretation of data. Other topics covered here include the effects of herbicides on plants, poisonous weeds and their control, soil

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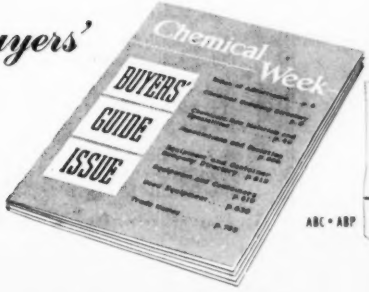
The new, 1951-52 BUYERS' GUIDE ISSUE of CHEMICAL WEEK is coming off the press this month . . .
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BOOKS . . . . . .

sterilants, etc. The volume has been written primarily as a text book.

Organic Syntheses, Vol. 31., chief editor, R. S. Schreiber. John Wiley & Sons, Inc., New York, N.Y., vi+ 122 pp., $2.75.

Like its predecessors, this 1951 edition presents satisfactory methods for preparing organic chemicals. Details of all procedure steps are included as well as commentary-notes, and additional information on the range of yields, melting points, boiling-points, refractive index, etc. Preparations are arranged in alphabetical order according to common names of compounds. This volume includes 40 new syntheses along with bibliographical notes on them.

Briefly Listed

SELLING THE UNITED STATES MARKET, by Gustav E. Larson and Marshall N. Poteat, 144-p. guidebook specifically designed to aid the newer and smaller manufacturer, gives information on distribution facilities and methods, the development of a good product and the finding of U.S. markets for it; 15 case studies are included. From Department of Commerce field offices or from the Government Printing Office, Washington, D. C., $1.

MEETINGS . .

Chemical Industries Exposition, Grand Central Palace, New York, N.Y., November 26-December 1.

Chem. Specialties Mfrs. Assn., annual meeting, Mayflower Hotel, Washington, D.C., December 2-4.

Amer. Inst. of Chem. Engrs., annual meeting, Chalfonte-Haddon Hall, Atlantic City, N.J., December 3-5.

Natl. Assn. of Mfrs., annual meeting, Waldorf-Astoria Hotel, New York, N.Y., December 5-7.

Proprietary Assn., scientific section, Biltmore Hotel, New York, N.Y., December 7.

Soc. of Cosmetic Chemists, annual meeting, Biltmore Hotel, December 6.

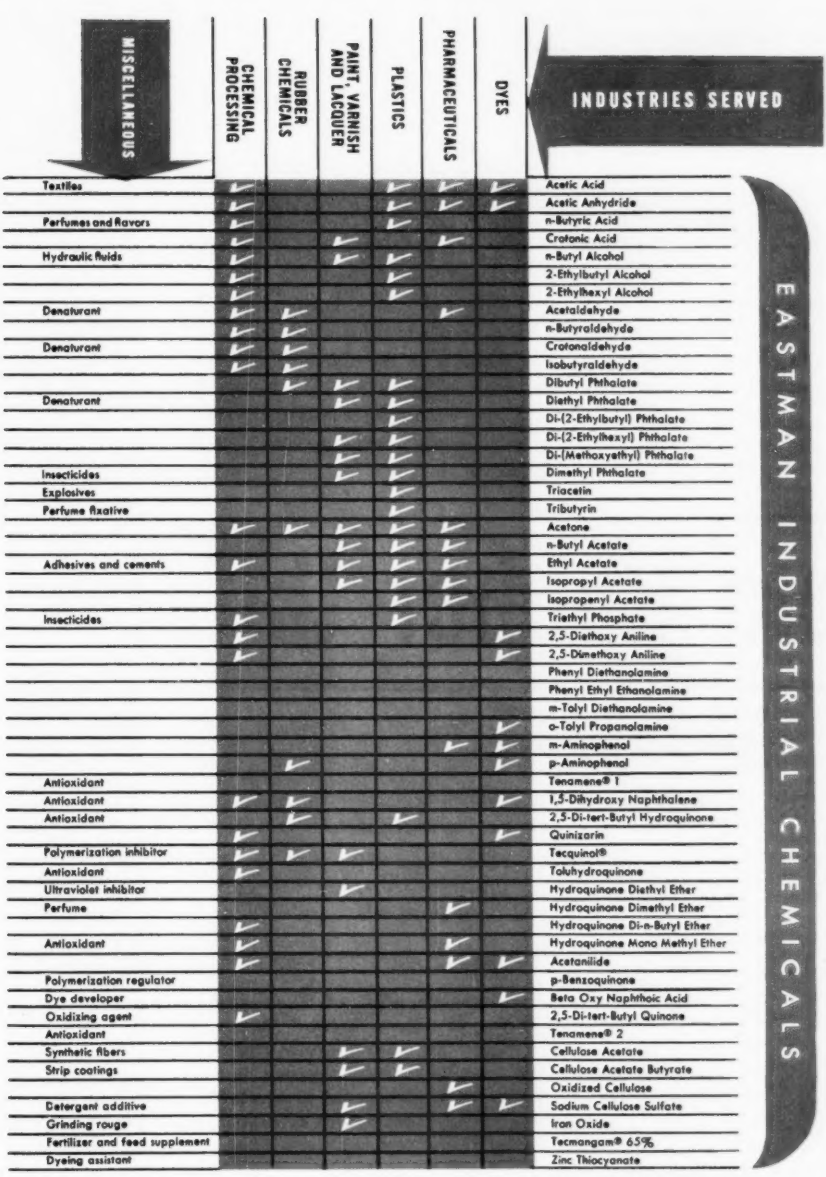
Synthetic Organic Chem. Mfrs. Assn., annual meeting, Commodore Hotel, New York, N.Y., December 11.

Compressed Air & Gas Inst., The Drake, Chicago, Ill., December 11-12.

Natl. Constructors Assn., annual meeting, Waldorf-Astoria Hotel, New York, N.Y., January 8-10, 1952.

Soc. of Plastics Engrs., national technical conf., Edgewater Beach Hotel, Chicago, Ill., January 16-18, 1952.

Assn. of Amer. Soap & Glycerine Producers, annual convention, Waldorf-Astoria Hotel, New York, N.Y., January 22-23, 1952.



Specifications, properties and other typical uses of these chemicals are contained in the 1951 Eastman Industrial Chemicals catalog. Write for your copy.

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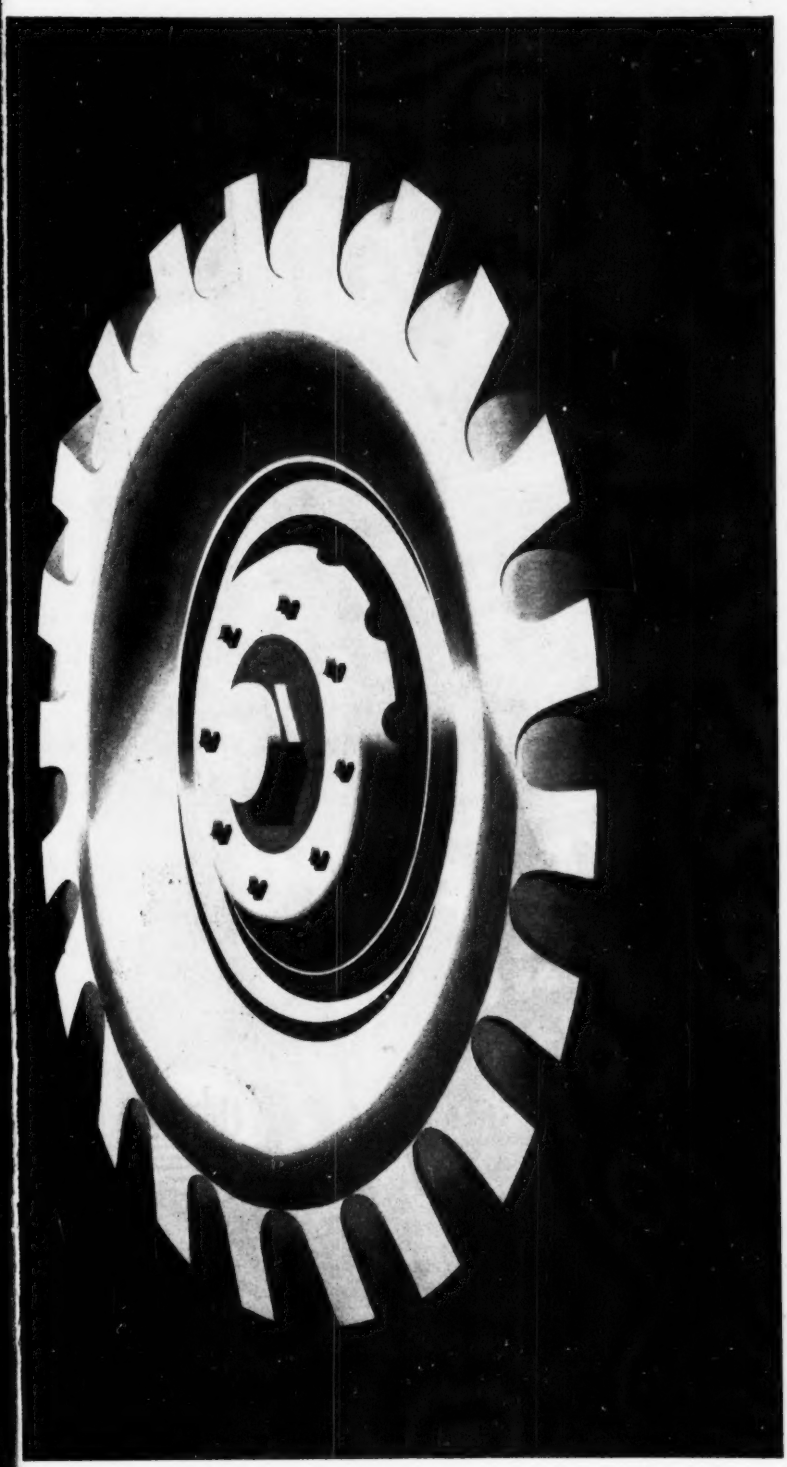
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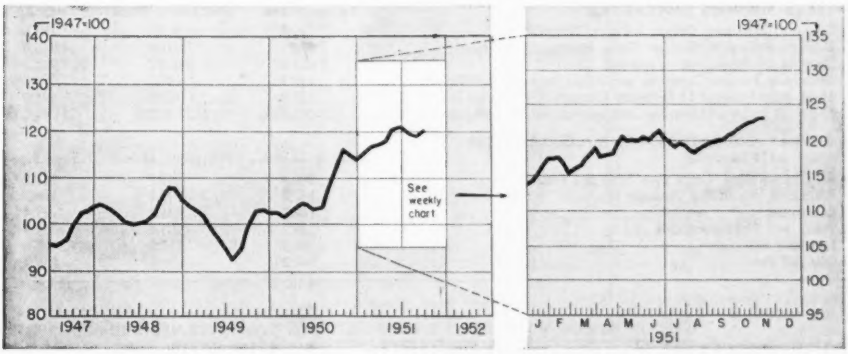
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MARKETS . . . . . .



CW Index of Chemical Output—Basis: Total Man-Hours Worked in Selected Chemical Industries

Biggest market news of the week is the action by the Office of Price Stabilization to scrap the general price ceilings for chemicals. Instead, all producers who haven't already done so will have to file under the Manufacturer's Regulation CPR-22. But there will be some exceptions if specific groups within the industry can persuade OPS to issue a custom-made price edict.

Most of the major chemical producers have been under CPR-22 since October. Generally speaking, they haven't fully recovered yet. After the reams of reckoning, many found that the majority of their prices could be raised little if at all. Reason: keener competition for the buyer's dollar in the face of greater supplies, smaller demand.

A few cases of price relief by CPR-22 are worth noting. For instance, phenol and styrene have each been raised some 1-2¢ a pound by Dow Chemical and Monsanto Chemical, biggest factors for these products. Current prices are now about 21¢ a pound for the styrene monomer (freight equalized); and about 19½¢ a pound for phenol (freight allowed).

The market for both these plastics raw materials is strong, and there is little doubt that the higher prices will be retained in the foreseeable future. Both Monsanto and Dow, squeezed especially hard by rising benzene costs, had been unable to pass along the increase until last month.

Echoes of the rise in phenol prices can be heard in the committee rooms of the OPS. This week, members of the phenol-aldehyde resin advisory group cited the higher phenol cost as the basis of their economic plaint. Their plea: an OPS-tailored price regulation to reflect their heavier expense.

About half of the industry has been under CPR-22, the other half under GCPR. Under the latest OPS decision, the entire industry must go under CPR-22 by December 19—unless OPS grants this request.

One dilemma yet to be resolved: Molders who have to buy their phenol are harder-pressed than integrated producers, but still fear that too-restrictive pricing might scare off their suppliers.

WEEKLY BUSINESS INDICATORS	Latest Week	Preceding Week	Year Ago
Chemical Industries Output Index (1947=100)	122.5	123.0	115.5
Bituminous Coal Production (Daily Average, 1000 Tons)	1,886.0	1,928.0	1,923.0
Steel Ingot Production (Thousand Tons)	2,021.0	2,019.0	1,980.8
Wholesale Prices—Chemicals and Allied Products (1926=100)	140.7	140.7	133.7
Stock Price Index of 14 Chemical Companies (Standard & Poor's Corp.)	221.9	230.6	191.0
Chemical Process Industries Construction Awards (Eng. News-Record)	$15,165,000	$32,748,000	$5,044,000

MONTHLY INDICATORS — WHOLESALE PRICES (1926=100)	Latest Month	Preceding Month	Year Ago
All Commodities (Other than Farm and Foods)	166.9	167.2	159.2
Chemicals and Allied Products	140.8	140.1	128.7
Chemicals	144.7	144.4	125.4
Drugs and Pharmaceuticals	184.1	184.6	153.4
Fertilizer Materials	118.5	117.8	111.4
Oils and Fats	141.9	139.8	163.9

Styrene prices' going up is a sure sign that producers are bullish on long-term prospects. During the next month, however, supplies should be ample. Reason: Seasonal business has tapered off. Any slack will soon be taken up by larger defense needs and fuller-scale development of many small uses into big ones. Stellar prospect: synthetic latices.

Vinyl plastics sales haven't been active enough to warrant price increases. But a substantial pickup can be expected before long. Part of this optimism is based on the belief that the textile market can't stay dead. And vinyls should play a headline role in the structural plastics boom, now in the ground-swell stage.

Polyethylene is another strong contender for the structural plastics business. Supply has been far short of demand because of the military's unsated craving. Luckily for molders, new production will come in shortly. And though the military will be persistent as ever, the percentage for civilian users will rise during the next year.

Here are but a few recent examples to show how outlets for structural plastics are shaping up: The Air Force wants them for disposable Jelly bomb tanks; the Coast Guard, for channel buoys. And a company in the Midwest now uses plastic piping to replace copper in homes.

But trying to assess military business is risky as some chemical producers have been finding out. Even when the volume of business is known, the timing often goes askew. Resorcinol makers will testify to that: Three of them, largely on Pentagon assurances, have been expanding output. To date only about 15% of this defense buying has materialized, and producers may soon have to scout for additional markets.

Yet, the National Production Authority continues to list resorcinol in short supply. On formaldehyde, NPA, reporting a supply-demand balance, is much closer to the mark.

One major producer, despite higher costs, now quotes a 3% lower figure than a month ago. Causes of demand laxness: slowdown of defense buying, apathy in textiles.

SELECTED CHEMICAL MARKET PRICE CHANGES — Week Ending November 11, 1951

	Change	New Price		Change	New Price
UP					
Ouricury wax, bags, ref.	$ .01	$ .87			
DOWN					
Casein, dom., over 5 tons	.01	.37	Copra, Pacific ports, ton	$10.00	$170.00

All prices per pound unless quantity is stated

Prices Only a Mite More

By the end of the year, the Office of Price Stabilization will remove all chemical manufacturers from general price ceilings.

Most chemical companies have voluntarily filed under Regulation CPR-22; others are still hoping for tailor-made pricing.

But competition among major producers has curbed price boosts sought under CPR-22.

Before the end of the year, the Office of Price Stabilization will try to abandon general price ceilings for chemical manufacturers. That's the nub of its price control edict issued this week.

On December 19, filing under Manufacturers' Regulation CPR-22 will become mandatory except for some special cases of tailor-made controls. Therefore, many who have preferred the comparative peace and quiet of the general price freeze in effect since January, will have to bestir themselves to comply with the latest in the long succession of OPS rulings.

Not all chemical companies will be faced with the tedious and intricate calculations needed to file under CPR-22 Most of them, including practically all the majors, already have filed CPR-22 prices for their products. And, "without exaggeration, the calculations," in the words of one sales manager, "took weeks and weeks and weeks."

Limited Relief: These companies have been hoping to get out from under some of the inequities of the original general freeze (GCPR). Those who had not raised prices fast enough or early enough were caught in the squeeze induced by rising costs of raw materials and labor. And CPR-22, which allows them to raise prices to compensate for at least part of these increased expenses, seemed like the only feasible escape route.

But most companies admit privately that the outcome has been somewhat short of satisfactory. Reason: Supplies of chemicals are much improved, demand is not what it could be, and competition is proving more effective than price ceilings in keeping prices down. Market conditions made higher prices allowable under CPR-22 provisions a fond hope in many cases; they had to meet competition.

How It Works: Electing to price under CPR-22 has been a Rubicon-crossing proposition for the regulation must be applied "across the board." Some prices fall below GCPR levels; others are increased. It takes a lot of figuring to find out whether there is an overall gain or loss. And then the gains may be only theoretical if buyers shy at the higher prices.

Each company may end up with a different price for the same commodity. This has caused considerable confusion in chemical marketing and purchasing. And companies, not sure where their competitors stand CPR-22—pricewise, have been reluctant to disclose details of price changes.

However, CW has been able to uncover quite a bit of information on how CPR-22 has affected the chemical industry thus far. For instance, E. I. du Pont de Nemours applies CPR-22 to eight of its ten divisions. Increases in most cases have been well under what CPR-22 would permit. Decreases were almost as numerous.

In the Polychemicals Department prices were advanced on 25% of the products; the others either remained the same or were lowered. Lucite (methyl methacrylate) and Allethon (polyethylene), to take these plastics as examples, have gone up by some 2% since the October 1 CPR-22 filing date. In the Electrochemicals Department, the effect of all price changes was a net decrease of 0.6%, with formaldehyde down 3%. Other departments also showed a net decrease.

At Union Carbide and Carbon, both the Carbide and Carbon Chemicals and Bakelite Divisions braved CPR-22 in October. Some results: The Chemicals Division reduced its price of isopropyl alcohol by 2¢ a pound, and raised the price of acetic acid by the same amount. Bakelite's price on polyethylene rose 3¢ to 49¢ a pound, the same as DuPont's. Vinyls were unchanged, as a softer market made the permitted boost inadvisable.

Dow Chemical, American Cyanamid, and Monsanto have each filed under CPR-22, but are not particularly anxious to talk until they get their bearings in the new market. Dow and Monsanto have both increased prices on styrene and phenol, an indication of the higher benzene prices.

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Deferred Payment: Within the next six weeks, most chemical companies will have gone over to CPR-22, whatever their original plans on pricing may have been. But a comparative handful will be able to price under tailor-made regulations. Agricultural chemicals, anti-freeze, and a few other categories now are handled that way. And as OPS gets its second wind, more of these regulations for special groups within the chemical industry are slated to come in.

But tailor-made or CPR-22 notwithstanding, old-fashioned competition will have a bigger part in calling the price tune.

Import Assist

Large chemical companies have the men and money to handle their own imports, but small organizations are often at a loss to locate raw materials from overseas. That's why the little fellows are turning in greater numbers to a busy port's "importers' aid"—New Orleans' International House. What's more, the service is free, and without obligation.

There is a definite business angle to the service: If imports and exports are stimulated, the port of New Orleans will get some of the volume. Hence, shippers, steamship companies and railroads operating there feel the $50 to $250 each contributes to International House's yearly upkeep is definitely worthwhile.

The organization had its start as an export promoter—finding overseas markets for U.S. goods. Realizing that trade must be mutual, it soon took the logical step of adding an advisory service on imports. The man whose business it is to locate scarce-in-the-States chemicals for domestic manufacturers is George Sawicki, International House's assistant director.

Service Example: Sawicki once was asked to recommend sources of an essential oil produced in Spain. His files listed 150 prospective suppliers—but he had no assurance that any of them could currently ship the item. He sent a letter to each company, asking whether it had stocks on hand. From the 15 favorable replies received, the manufacturer was easily able to select a source.

Like any service of International House, this cost the buyer nothing. Even the expenses of typing and air-mailing 150 individual letters were borne by Sawicki's office.

Contacts are maintained with over 25,000 foreign firms which want to sell to American customers. "Just name your need," Sawicki comments, "and we're sure to have it."

Foreign Offers: His list of different chemicals available from abroad reads like a comprehensive catalog. Japanese sources, for example, will supply such items as acetic acid, ammonia, caustic soda, calcium carbide, chlorine, silicon carbide, sulfuric acid and vinyl chloride.

Listings from Sweden include white arsenic, fatty acids, naphthalene and tricresyl phosphate. Some Italian producers are looking for markets for various alcohols, barium sulfite, caustic soda and zinc dust.

Many domestic manufacturers have opposed imports, but Sawicki takes the opposite view. He points out that unless the U.S. continues to import what materials it can, it will have to keep on "loaning" dollars so that other countries can buy American products. "Importing," he emphasizes, "will help—not hurt—the domestic economy."

Arguments on this point are largely academic to small manufacturers hard-pressed to find sources of raw materials. They have been turning for help to the trade-wise experts of New Orleans' International House.

Potash Plum

While it won't solve all potash supply problems, a new Saskatchewan, Canada, deposit will soon be helping to satiate some of the demands for potassium salts.

The field, located near Vera, Sask., has been rated by engineers and geologists as one of the largest potassium salt fields in the world, exceeded only by Carlsbad, Strassfurt and Russian deposits.

Western Potash Corp. is now working the field on an experimental scale, and hopes to go to large-scale production in the near future. Present work is being carried out on a 3,450 foot-deep salt bed, in which potassium chloride is present in a wide band near the top of the deposit. Approximately one-third of the band is potassium chloride.

Production Reserves: Total resources of the Vera bed have not yet been estimated. The field is at least 12 miles deep, but the breadth of the deep deposits has not yet been measured.

If the richness of the presently explored deposits holds out, a square mile, 10 feet thick, would provide 6½ million tons of potassium chloride—in itself better than three times present yearly U.S. consumption.

While the immediate supply situation won't be affected, production from Saskatchewan will be a definite future market factor.

GOVERNMENT NEEDS

Bid Closing | Invitation No. | Quantity | Item

Aviation Supply Office, 700 Robbins Ave., Philadelphia, Pa.:

Bid Closing	Invitation No.	Quantity	Item
Nov. 19	O 54194 B		Gas, chlorine
Nov. 16	O 54194 B		Gas, chlorine
Nov. 19	O 54195 B		Gas, dichlorodifluoromethane, monochlorodifluoromethane (Freon 22, spec 51 D11A)

Navy Purchasing Office, 111 East 16th Street, New York 3, N.Y.:

Nov. 23	9828-B	2,500 lbs	Mercury, liquid
Nov. 21	9811-B	50,000 lbs	Toilet soap

CO Armed Services, Medical Procurement Agency, 84 Sands St., Brooklyn, N.Y.:

Nov. 20	1090 Q	39,728 bts	Drugs and chemicals

Depot Quartermaster, U.S. Marine Corps, Depot of Supplies, San Francisco, Calif.:

Nov. 19	7500 rl	1,652	Tape, adhesive, JAN-P-127-type 1, gr. B

General Services Admin., Region 3, Washington 25, D.C.:

Nov. 19	2M-4227-R	14,000 lbs	Compound, mech. dishwashing machine (type I, hard water)
Nov. 20	2M-100167-3R	40,000 lbs	Compound, mech. dishwashing machine (type II, soft water)

Chemical Corps, U.S. Army, New York Procurement District, 111 East 16th Street, New York 3, N.Y.:

	CML-30-070-52-25	31,954 lbs	Dye, impregnating, water-suspension

GOVERNMENT AWARDS

Item | Supplier | Location

Yards and Docks Supply Officer, U.S. Naval Construction Battalion Center, Port Hueneme, Calif.:

Item	Supplier	Location
Fiber glass	Ventura Fabricators, Inc.	Ventura, Calif.

Oakland Quartermaster Procurement Agency, Q M Purchasing Division, 124 Grand Ave., Oakland 12, Calif.:

Tape, adhesive	Noland Paper Co., Inc.	Los Angeles, Calif.

Corps of Engineers, U.S. Army, Office of the District Engineer, New York District, 80 Lafayette Street, New York 13, N.Y.:

Contractor will furnish 35,000 drums of calcium carbide, commercial, ¼" x ½" in 100 lb., net non-returnable drums in accordance with Federal Specification C-C-101a dated 21 July, 1949	Shawinigan Products Corp.	New York, N.Y.
Contractor will furnish 15,500 drums of calcium carbide, commercial ¼" x ½", in 100 lb. with Fed. Spec. O-C-101a dated 21 July, 1951	National Carbide Div. of Air Reduction Co., Inc.	New York, N.Y.

Armed Services Petroleum Purchasing Agency, Washington, D.C.:

Compound, corrosion preventive	Nox-Rust Chemical Corp.	Chicago, Ill.

Aviation Supply Office, 700 Robbins Avenue, Philadelphia 11, Pa.:

Cord, nylon, braided	Essex Mills, Inc.	Essex, Conn.
Plastic: transparent flame resistant sheet	Celanese Corp. of America	New York, N.Y.

Armed Services Medical Procurement Agency, 84 Sands Street, Brooklyn 1, N.Y.:

Cortisone acetate injection, cortisone acetate tablets	Merck & Co., Inc.	Rahway, N.J.
Aureomycin hydrochloride capsules	American Cyanamid Co.	New York, N.Y.
Adrenocorticotropic hormone	Armour Labs.	Chicago, Ill.
Sodium chloride isotonic solution, water for injection	Cutter Labs.	New York, N.Y.
Phenylephrine HCl jelly, phenylephrine HCl solution	Winthrop-Stearns, Inc.	New York, N.Y.

The Navy Purchasing Office, New York, N.Y.:

Rope, orlon, 3 strand	Puritan Cordage Mills	Louisville, Ky.
Insecticide, powder, dusting	Calif. Spray Chem. Corp.	Richmond, Calif.
Insecticide	Wyandotte Chem. Corp.	Los Angeles 12, Calif.

Picatinny Arsenal, Dover, N.J.:

Nitrocellulose, cotton linters	Hercules Powder Co.	Wilmington, Del.

Headquarters, U.S. Marine Corps, Quartermaster General, Washington 25, D.C.:

Wax	John C. Stalfort & Sons, Inc.	Baltimore, Md.

New York, Quartermaster Procurement Agency, 111 East 16th St., New York 3, N.Y.:

Webbing, nylon, spun nylon filler, 1"	Everlastic, Inc.	Chelsea, Mass.
Webbing, nylon, OD-163, Type X, 1¾"	Bethlehem Silk Co.	New York, N.Y.
Webbing, nylon, OD-163, Type XI, ¾"	Phoenix Trimming Co.	Chicago, Ill.
Webbing, nylon, OD-163, Type XI, ¾"	Amer. Cord & Webbing Co.	New York, N.Y.
Cloth, nylon, twill, 1.8 oz., OD-7, vinyl resin coated 43/45"	R. K. Laros Silk Mills	Bethlehem, Pa.
Cloth, nylon, twill, 1.8 oz., OD-7, vinyl resin coated 43/45"	Goodyear Rubber Sundries, Inc.	New Haven, Conn.

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FS 2452 Chemical Week
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P2222 Chemical Week
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Circle page numbers of items about which you want more details. Then write your name and address on the coupon at the bottom of the page and mail it to us. Your request will be forwarded to companies concerned, the answer coming direct to you.

MAKES IT HANDY

Products and literature in this issue are listed on these pages. There are three indexes. (1) Editorial items on new products, new equipment, new literature; (2) products advertised. (3) The index of advertisers is on the following page.

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Advertisements:—There is a page number on the coupon for each advertisement. Before the number, may appear, L, R, T, B (left, right, top, bottom), locating the ad on the page; small letters following (a,b,c) indicate additional products in the advertisement.

Editorial Items:—Numerals are page numbers; the ABC's distinguish among items where more than one is on a page. There is a number on the coupon for each item referring to new products, equipment, and literature.

EDITORIAL ITEMS

For more data, circle number on coupon.

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Pension Plans 64I
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Chemicals
- Albumin tannate, medicinal B34e
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- Ammonium bicarbonate 5e
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BOOKLETS . . . .

Chemicals

Styrene Monomer

36-p. technical bulletin giving detailed information on the properties, chemical reactivity, commercial handling, and uses of firm's styrene monomer, an aromatic hydrocarbon which has been utilized in large quantities for the manufacture of polystyrene plastics and for the manufacture of GR-S type synthetic rubber. It is also finding application in the manufacture of polystyrene-containing resins and numerous other organic compounds. Koppers Co., Inc.

Rubber-Process Aid

Booklet containing physical data and other information on "Sundex-41," a new process aid for cold rubber designed to prevent scorching during mixing, milling, and extruding and also intended as an aid in the dispersion of compounding ingredients. Sun Oil Co.

Plasticizer

Technical data sheets dealing with "Santicizer 8" (mixture of N-ethyl ortho and para toluene sulfonamides) covers its chemical and physical properties, starting formulas, and uses; discusses compound as a plasticizer for certain coatings, adhesives and molding compounds. Monsanto Chemical Co.

Equipment

Coal Handling Equipment

40-p. pictorial review of the functional applications of the firm's coal handling equipment in the power plant. The various sections cover unloading equipment, coal storage and reclaiming equipment, crushers, transportation and distribution and auxiliary equipment. Link Belt Co.

Valves

170-p. loose-leaf manual, a revised edition, compares valves of 18 leading manufacturers by material, type, pressure rating, and structural variations—for engineers, purchasing agents, and others who must specify valves or check specifications of others. This edition also shows sizes for cast iron and bronze valves. Equivalent Valves Co.

Fire Extinguishers

32-p. booklet entitled, "Correct Fire Protection" intended as a guide for operators of fire extinguishing equipment in selecting the correct fire extinguisher for use on the kind of fire in question; booklet describes and illustrates the various sizes of units available for use with the different kinds of fire extinguishing agents. American-LaFrance-Foamite Corp.

Temperature and Pressure Controllers

4-p. folder describing firm's self operated temperature and pressure controllers. The temperature controllers are used on hot water storage heaters, tanks, canning retorts, exhaust boxes, textile dryers, and scouring bowls. Specifications are included for both types of controllers. Taglibue Instruments Div., Weston Electrical Instrument Corp.

General

Radioactivity

108-p. catalog providing information on the company's radioactivity equipment, chemicals tagged with radioisotopes, and consulting services. Tracerlab, Inc.

Pension Plans

12-p. booklet discussing essential features of pension plans and profit sharing retirement trusts. Drexel & Co.

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Pittsburgh 22 ..... 738 Oliver Bldg.
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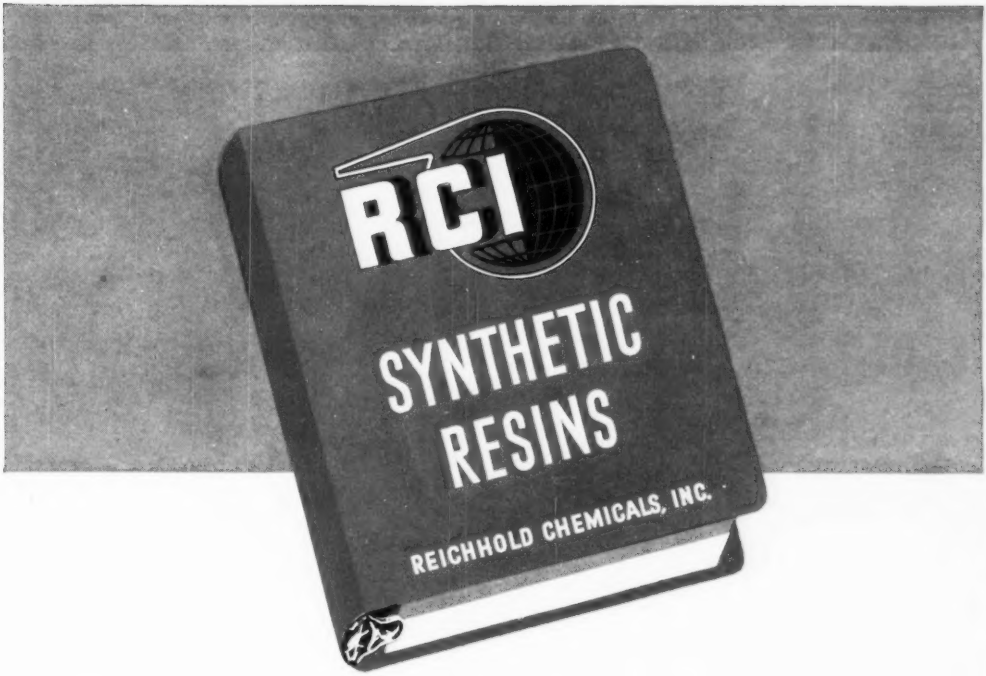
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RESINS

SURFACE-ACTIVE AGENTS

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For further information or samples, call or write the nearest Carbide and Carbon Chemicals office *today*. Ask for the technical bulletin "Maleic Esters," Form-7354. Inquiries for other esters of maleic, succinic, and fumaric acids are invited. Samples of many of these esters are available.

	DIETHYL MALEATE	DIBUTYL MALEATE	DI(2-ETHYLHEXYL) MALEATE
Molecular Weight	172.18	222.28	340.49
Specific Gravity at 20/20°C.	1.0703	0.9964	0.9436
Boiling Point at 760 mm. Hg, °C	222.4	280.6	209(10mm.)
Vapor Pressure at 20°C., mm. Hg.	0.01	0.01	0.01
Flash Point (Cleveland open cup), °F.	200	260	365

CARBIDE AND CARBON CHEMICALS COMPANY

A Division of
Union Carbide and Carbon Corporation
30 East 42nd Street UCC **New York 17, N. Y.**

Offices in Principal Cities
In Canada:
Carbide and Carbon Chemicals, Limited, Toronto

November 17, 1951
PART TWO

Chemical Week

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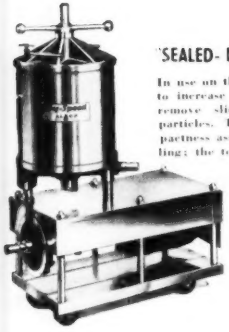
ALSOP Liquid Processing Equipment

FOR THE CHEMICAL & ALLIED INDUSTRIES



For dependable, low-cost PERFORMANCE

We offer a whole complete line of Filters, Mixers, Tanks, and Pumps designed and manufactured to exacting standards and of the finest materials. We also offer the diversity and completeness of our experience in Agitation and Filtration Engineering and we are prepared to design semi-standard units which might be required to fit your specific job. Let us help you with your Mixing and Filtering operations. Call on us for specific and complete information on any unit, no obligation of course. Write for a copy of our New Liquid Processing Equipment Catalogue.



"SEALED-DISC" ALL PURPOSE FILTERS

In use on thousands of different liquid products to increase purity, clarity, and brilliance or to remove slime, cloud, sludge, and undesirable particles. Their simplicity, portability and compactness assures convenience and speed in handling; the totally inclosed principle insures leakproof, drip-proof operation. The Asbestos Filter Discs are available in eight different grades providing the right degree of filtration your product may require. Complete Units with Pump and Motor or as Filter Units only are available in Stainless Steel, Monel Metal, Iron, Steel, or Brass and Bronze, in a wide range of sizes.



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Designed for all industrial oils, solvents and water. Using Asbestos Discs assembled in cartridge form, the "Disc-Pak" Filter completely removes dirt, rust, moisture, sludge, and all impurities. The Asbestos Disc Cartridges are made in eight different grades of porosity from coarse or fast flowing to finer grades that remove all impurities. "Disc-Pak" Filters are designed to hold from one to six Disc Cartridges offering a complete range of sizes or capacities up to 3600 g.p.h. Available in Brass and Bronze, or Stainless Steel with mounting bracket for stationary installation to pipe lines and tanks, or complete with suitable motor and pump mounted on a portable stand.



MIXERS FOR ALL LIQUIDS

We offer a full line of Portable Mixers in sizes from 1/10 H.P. up to 5 H.P. for uniform blending, dissolving and mixing. Equipped with our all-way adjustable clamp for speed and ease in positioning the shaft and propellers for the best mixing action. These portable, easy-to-operate Mixers make any open container a Mixing Tank. The two propellers are movable on the full length of the solid acid-resistant shaft allowing proper adjustment to conform with the batch depth. Standard shafts and propellers can be supplied of Stainless Steel, Monel Metal, Nickel, Aluminum, Bronze, Steel or Special Alloys.



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We offer a complete line of sturdy 16 gauge Stainless Steel Open and Closed (non-pressure) Tanks in sizes from five to three hundred gallons capacity. The all welded construction, rounded corners, and the highly polished, crevice-free surfaces make them easy to clean and to keep sanitary. All Open Tanks can be supplied with a suitable Mixer, Covers, Valves, and Faucets of various types as complete Mixing Units. We can supply Closed Tanks (non-pressure type) in all sizes complete with either Top or Side Entering Mixing Unit Assemblies. The Specially designed sloping bottom insures complete and fast draining.

ALSOP ENGINEERING CORPORATION

514 CENTER STREET, MILLDALE, CONNECTICUT

Chemical Week

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Chemical Week Buyers' Guide Issue

McGRAW-HILL PUBLISHING COMPANY 330 WEST 42nd STREET, NEW YORK 36, N. Y.

Dear Subscriber:

This is your copy of the *new* Chemical Week Buyers' Guide, and here is what we mean by *new:*

To save you time, to make the Guide more useful to you, we have . . .

- Completely revised and reset all product listings.
- Used modern, legible type faces,
- Changed page design to the popular three-column make-up,
- Combined Chemicals, Raw Materials and Chemical Specialties into one completely alphabetized, simpler-to-use section.

This year the Buyers' Guide includes the following sections:

Chemical Company Directory (page 3)

Geographical listing of names and addresses of suppliers of chemicals, raw materials and specialties in the United States.

Chemicals, Raw Materials and Specialties (page 41)

A comprehensive list of chemical products including formulas, properties, uses and suppliers.

Chemical Prices (page 555)

Range of Quotations 1939 to 1950 of Heavy Industrial Chemicals; Coaltar Chemicals; Dyestuffs, Tanstuffs, Textile and Leather Chemicals; Oils, Fats and Waxes; Fertilizer Materials; Paint, Varnish and Lacquer Materials; Drugs and Fine Chemicals; Botanical Drugs, Spices and Gums; Essential Oils and Aromatic Chemicals; Petroleum Products.

Technical Data (page 558)

A selection of conversion tables which provide a ready reference for frequently needed technical information.

Associations and Societies (page 561)

An all-inclusive list of trade, technical and scientific organizations in the chemical process field.

Equipment, Containers and Supplies Company Directory (page 563)

An alphabetical list of manufacturers of equipment, containers and supplies used in the chemical process field.

Equipment, Containers and Supplies (page 573)

A comprehensive list of equipment, containers and supplies used in the chemical and process industries, together with their manufacturers.

Used Equipment (page 695)

Suppliers of used equipment and containers for the chemical and process industries.

Trade Names (page 700)

An alphabetical list of all trade names pertaining to the products listed in the *Chemicals, Raw Materials and Specialties Section* and the *Equipment and Containers and Supplies Section* with product identification and name of company.

Index of Advertisers (page 722)

An alphabetical listing of all advertisers in the Buyers' Guide, showing the page number of their advertisements.

We hope that you find this year's Buyers' Guide Issue more accurate, complete and useful than ever before. Your comments and criticisms will be welcome.

The Editors.

THE CHEMICAL PROCESS INDUSTRIES

It's America's Largest Industrial Market . . .
. . . Your Biggest Sales Target

To measure an industrial market, look first at the dollars it invests . . . for new plants, equipment and materials. Then consider its consumption of power and fuels to drive machinery and equipment. By these yardsticks you'll see chemical processing in your No. 1 Sales Target. For year after year it spends more . . . uses more power and fuel than any other industrial group.

CAPITAL EXPENDITURES FOR NEW PLANTS AND EQUIPMENT

1947	$2,100,000,000
1950	3,300,000,000
1951 (planned)	5,400,000,000

RAW MATERIALS AND MATERIALS OF CONSTRUCTION

1947	$20,000,000,000
1950	22,200,000,000
1951 (planned)	26,500,000,000

POWER AND FUELS CONSUMPTION

(Percent used by Process Industries versus all Manufacturing)

Electricity (Generated and Purchased)	44%
All Fuels and Energy (Total BTU Equivalent)	35%
Total Energy Value ($926,911,000)	28%

This Is The Chemical Process Field

. . . and here is your market: the worthwhile* plants of the CPI

Number of Plants	Major Product Classification
894	Chemicals
35	Coke Oven Products
564	Drugs, Medicines & Toilet Preparations
83	Explosives and Fireworks
320	Fertilizers
1,288	Glass and Ceramics
305	Leather Products
245	Lime and Cement
77	Metallurgical Products

Number of Plants	Major Product Classification
625	Paper and Pulp
520	Paints, Varnishes and Pigments
625	Oils and Fats
414	Petroleum Products
127	Plastics Materials
40	Rayon and Synthetic Textiles
485	Rubber Products
232	Soap, Cleaning and Polishing Products
1,724	Other Plants Making Chemically Processed Products

8603 Plants . . . 1/5 of All U.S. Manufacturing Output
. . . more than 1/3 of Total Buying Power

*Plants with more than 20 employees
Source: McGraw-Hill Census

For a directory of available data on this vast market write for: "Sales And Advertising Aids For Industrial Marketers Selling To The Chemical Process Industries"

Chemical Week

ABC ABP

A McGraw-Hill Publication, McGraw-Hill Building, New York 36, N. Y.

Company Directory

A Geographical List of Chemical Manufacturers, Importers and Distributors of Chemicals, Chemical Raw Materials, and Specialties

ALABAMA

Birmingham

Ala By-Products Corp, P O Box 354, Birmingham 7-5171
Baker & Adamson Products, 2313 Morris Ave, Birmingham 3 4-3731
Church & Dwight Co, Comer Bldg, Birmingham 3 3-7359
E I Du Pont de Nemours & Co Inc, Explosives Dept, Brown-Marx Bldg, 2000 1 Ave, Birmingham 2
E I Du Pont de Nemours & Co, Inc, Grasselli Chem Dept, 804 Protective Life Bldg, Birmingham 3 53-1636
Electro Metallurgical Co, Brown-Marx Bldg, Birmingham 3 4-6426
Lamex Chem Corp, 3205 2 Ave S, Birmingham 5
McKesson & Robbins, 1706 1 Ave, Birmingham 3-4171
Monsanto Chem Co, Organic Chem Div, 924 Brown-Marx Bldg, Birmingham 3 7-0877
Monsanto Chem Co, Phosphate Div, 924 Brown-Marx Bldg, Birmingham 3 7-0877
Sloss-Sheffield Steel & Iron Co, 3131 1 Ave, Birmingham 2 3-3161
U S Steel Corp, Brown-Marx Bldg, Birmingham 2
Virginia-Carolina Chem Corp, P O Box 1752, Birmingham 1 9-2181

Reilly Tar & Chem Corp, N Court St & Jackson Hway, Florence 556
John Powell Chem Co Inc, Huntsville 4070
McKesson & Robbins Inc, 118 N Royal St, Mobile 2-8751
Mobile Paint Mfg Co Inc, P O Box 1686, Mobile 9 2-2721
Reilly Tar & Chem Corp, Water St, Mobile 2 2-1781
Pennsylvania Salt Mfg Co, P O Box 11, Route 6, Montgomery
Tobacco By-Products & Chem Corp, Montgomery 2-3326
Virginia-Carolina Chem Corp, P O Box 120, Jackson Ferry Rd, N Montgomery 2-2742
Associated Cooperatives Inc, 312 Montgomery Ave, Sheffield 1250
Naphthalene Products Co, P O Box 6328, Tarrant 52-2144
Gulf State Paper Corp, Tuscaloosa
Reichhold Chem Inc, Tuscaloosa 7521
Koppers Co, Tar Products Div, Woodward Birmingham 8-1611

ARIZONA

McKesson & Robbins Inc, 1 & Jackson Sts, Phoenix 4-5671
Moore & Son, University Sta, Tucson

ARKANSAS

Crossett Chem Co, Crossett 590
American Cyanamid Co, Agricultural Chem Div, Donaghey Bldg, Little Rock 4-7752
Morningstar, Nicol Inc, P O Box 56, Arch St Sta, Little Rock
Paisley Products, P O Box 56, Arch St Sta, Little Rock
Reilly Tar & Chem Corp, 125 Pine Valley Rd, Little Rock 3-9254
Thompson-Hayward Chem Co, 123 S Main, N Little Rock 5-6446
Berry Asphalt Co, Magnolia 900

CALIFORNIA

Adhesive Products Inc, 520 E Shore Hway, Albany 6
Landscape 6-7616
Neville Co, 1336 Patt St, Anaheim 5015
American Cyanamid Co, Agricultural Chem Div, Azusa Fleetwood 4-1241
Bio-Research Labs, Sta A Box 145, Berkeley Ashburry 3-7866
Colgate-Palmolive-Peet Co, Sta A, Berkeley Douglas 5016
Industrial Chem Co 610 Hearst Ave, Berkeley 7-4177
Industrial Minerals & Chem Co, 6 & Gilman Sts, Berkeley 10 7-1048
Pennsylvania Salt Mfg Co, Woolsey Bldg, 2168 Shattuck Ave, Berkeley 4
Philadelphia Quartz Co of Cal, 6 & Grayson Sts, Berkeley 10 7-1048
C F Ten Eyck Co, 1011 N Lake St, Burbank
Varniton Co, 416 N Varney, Burbank CH 6-7040

Los Angeles

S L Abbot Co, 800 Santa Fe Ave, Los Angeles 21
Alrose Chem Co, 3529 E Olympic Blvd, Los Angeles Angeles 9-4265
Ansul Chem Co, 7600 Avalon Blvd, Los Angeles 3 Pleasant 3-2546
American Cyanamid Co, Industrial Chem Div, 2300 Eastern Ave, Los Angeles 22, Cal Michigan 8222
American Cyanamid Co, Plastics & Resins Div, 2300 Eastern Ave, Los Angeels 22 Michigan 8222
American Mineral Spirits Co, 555 S Flower St, Los Angeles 17 Madison 9-1634
American Resinous Chem Corp, 422 E 3 St, Los Angeles Mutual 4564
Arabol Mfg Co, 2262 E 37 St, Los Angeles 11 Logan 5-6467
Arco Co of Cal Ltd, 745 E 59 St, Los Angeles Adams 3-4111
Atlas Powder Co, 805 Title Guarantee Bldg, 411 W 5 St, Los Angeles 13 Michigan 8896
Baker & Adamson Products, 1151 S Broadway, Los Angeles 15 Richmond 7-7251
Baker Castor Oil Co, 5585 E 61 St, Los Angeles 22
Baroid Sales Div, National Lead Co, 830 Ducommun St, Los Angeles 12 Michigan 1381
Braun Corp, 2260 E 15 St, Los Angeles 21 Trinity 6031
U B Bray Co, 3344 Medford St, Los Angeles AN 7258
I N Breetwor & Associates, 4005 Wilshire Blvd, Los Angeles Dunkirk 4-3779
E S Browning Co Div, Innis, Spiden & Co, 2436 E 12 St, Los Angeles VanDyke 1163
California Flaxseed Products Co, 3135 E 26 St, Los Angeles 23 Angelus 3-6781
Carbide & Carbon Chem Co, Div Union Carbide & Carbon Corp, 416 W 8 St, Los Angeles 14
Carnegie Chem Mfg Co, 6363 Wilshire Blvd, Los Angeles 48
Chemical Specialties Co, 4545 E Washington Blvd, Los Angeles Angelus 1-3378
Chemo Puro Mfg Corp, 1796 Kelton Ave, Los Angeles 24 Bradshaw 2-5902
Colgate-Palmolive-Peet Co, 4814 Loma Vista Ave, Vernon, Los Angeles Kimball 5101
Commercial Solvents Corp, 5052 E Slauson Ave, Los Angeles Logan 5-7437
Dearborn Chem Co, 807-815 Mateo St, Los Angeles 21 Trinity 3385
Dow Chem Co, Great Western Div, 634 S Spring St, Los Angeles Tucker 3181
Dow Corning Corp, 1514 S Hope St, Los Angeles 15 Richmond 7-0338
E I Du Pont de Nemours & Co Inc, Organic Chem Dept, Petroleum Chem Div, 612 S Flower St, Los Angeles 17
E I Du Pont de Nemours & Co, Inc, Organic Chem Dept, Rubber Chem Div, 845 E 60 St, Los Angeles 1 Adams 3-5206
E I Du Pont de Nemours & Co, Inc, Polychem Dept, 845 E 60 St, Los Angeles 1 Adams 3-5147
Electro Metallurgical Co, 2724 Leonis Blvd, Los Angeles 58 Logan 8-3451
Eston Chem Inc, 3100 E 26 St, Los Angeles Angelus 9-8183
Florasynth Labs, 2309 E 8 St, Los Angeles
Geigy Co, 3529 E Olympic Blvd, Los Angeles 23 Angeles 9-4265
General Petroleum Corp, 612 S Flower St, Los Angeles 17 Madison 6-5711
Gillies & Loughlin, 6363 Wilshire Blvd, Los Angeles 48 Webster 3-9317
Givaudan Flavors, 8750 Alden Dr, Los Angeles Gladstone 2744
Givaudan-Delawanna, 8750 Alden Dr, Los Angeles Gladstone 2744
Great Lakes Carbon Corp, 612 S Flower St, Los Angeles 17 Madison 9-1611
Griffin Chem Co, 612 S Flower St, Los Angeles Madison 9-2151
C P Hall Co, 1340 E 8 St, Los Angeles Van Dyke 2022
Harwick Standard Chem Co, 1248 Wholesale St, Los Angeles Trinity 8588
Hathaway Allied Products, 2024 Westgate Ave, Los Angeles 25 Bradshaw 2-4346
Lac Chem Inc, 8512 Hays St, Culver City Texas 0-2172
West Coast Chem & Solvents Corp, 8512 Hays St, Culver City Texas 0-2172
E I Du Pont de Nemours & Co, Electrochem Dept, P O Box 70, El Monte Cumberland 3-2761
Diamond Alkali Co of Cal, 1269 66 St, Olympic 2-1169
C K Williams & Co, 4650 Shellmound St, Emeryville 8 Olympic 2-4806
Fresno Agric Chem Co, P O Box 1286, Fresno 3-6245
McKesson & Robbins Inc, 442 P St, Fresno, Cal 3-3251
Columbia Wax Co, 530 Riverdale Dr, Glendale 4 Chapman 5-2029
Ultra Chem Works, Hawthorne
Roure-DuPont, 5516 Sunset Blvd, Hollywood Hempstead 5059
American Lignite Products Co, P O Box 5, Ione 147F2
Barnett Labs, 6256 Cherry Ave, Long Beach 5 238-58
Dow Chem Co, Great Western Div, Long Beach
Dow Chem Co, Iodine & Insecticide Div, P O Box 229, Long Beach
Hercules Powder Co, 1151 S Broadway, Los Angeles 15 Prospect 7151
Heyden Chem Corp, 1001 E 1 St, Los Angeles Trinity 7178
Philip A Hunt Co, 541-543 Ceres St, Los Angeles
Kelco Co, 530 W 6 St, Los Angeles Trinity 7932
Kennedy Minerals Co Inc, 2550 E Olympic Blvd, Los Angeles 23 Angelus 1-6168
Morris P Kirk & Son Inc, 2717 S Indiana St, Los Angeles AN 2-1101
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Koppers Co, Chem Div, 727 E Gage Ave, Los Angeles 1 Adams 3-6231

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Los Angeles 21,
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ON THE PACIFIC COAST

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Maher Color & Chem Co, 2327 E 8 St, Los Angeles Van Dyke 8745
Mallinckrodt Chem Works, 3016 E 44 St, Los Angeles Logan 8-2237
McKesson & Robbins Inc, 220 S Los Angeles St, Los Angeles Michigan 7171
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21 Trinity 6894
Merck & Co, 129 W 2 St, Los Angeles Michigan 1351
Monsanto Chem Co, Organic Chem Div, 714 W Olympic Blvd, Los Angeles 15 Richmond 7-7201
Monsanto Chem Co, Phosphate Div, 714 W Olympic Blvd, Los Angeles 15 Richmond 7-7201
Monsanto Chem Co, Western Div, 714 W Olympic Blvd, Los Angeles 15 Richmond 7-7201
National Chem Co, 1516 Industrial St, Los Angeles 21 Trinity 4055
Old Colony Paint & Chem Co Labs, 620 Lamar St, Los Angeles 31 CA 2-5111
Oronite Chem Co, Standard Oil Bldg, Los Angeles Van Dyke 7564
Pacific Coast Borax Co, 510 W 6 St, Los Angeles 14
Pacific Soap Co, 6830 McKinley Ave, Los Angeles 1 TH 8096
Pennsylvania Salt Mfg Co, 4820 Loma Vista Ave, Los Angeles 11
Productol Co, 417 S Hill St, Los Angeles 13 Mutual 4397
Reichhold Chem Inc, 1855 Industrial St, Los Angeles 21 Van Dyke 6139
Reilly Tar & Chem Corp, 1101 Architects Bldg, Los Angeles 13 Mutual 0433
Rohm & Haas Co, 5657 Wilshire Blvd, Los Angeles Webster 1-1491
Royal Soap & Chem Co, 3486 Union Pacific Ave, Los Angeles 23 AN 4181
Rubber Asphalt Oil & Mining Corp, 1833 Marney Ave, Los Angeles 32 CA 1-9307
J B Ruth & Co, 114 S Central Ave, Los Angeles 12 Michigan 7877
Sherwin-Williams Co, 3150 E Pico Blvd, Los Angeles 23 Angeles 4131
Sierra Talc & Clay Co, 5509 Randolph St, Los Angeles 22 Underhill 03321
Silas & Co, 3117 W Venice Blvd, Los Angeles 19 RE 2-9159
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Snow & Co, 3039 E 12 St, Los Angeles Angelus 3-7411
Southern California Minerals Co, 320 S Mission Rd, Los Angeles 33 Angelus 7276
Stauffer Chem Co, 824 Wilshire Blvd, Los Angeles Trinity 5771
Stein, Hall & Co, 1315 E 7 St, Los Angeles 21 Tucker 1238
Sterol Derivatives Inc, 3626 Medford St, Los Angeles 63 Angelus 0181
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H I Thompson Co, 1733 Cordova St, Los Angeles Republic 3-9161
Thompson Horticultural Chem Corp, 3600 Monon St, Los Angeles 27 Normandy 2-2147
Turco Products Inc, P O Box 2649 Terminal Annex, Los Angeles 54 AD 6111
Union Oil Co of Cal, 617 W 7 St, Los Angeles 17 Madison 9-3261
United Clay Mines Corp, 5028 Alhambra Ave, Los Angeles 32 Capital 8853
United States Industrial Chem, 714 W Olympic Blvd, Los Angeles 15 Prospect 7706
Western Chem & Mfg Co, 3270 E Washington Blvd, Los Angeles 23 Angelus 2-2191
Western States Lacquer Co, 4400 E Washington Blvd, Los Angeles Angelus 1-3171
Westvaco Chem Div, 301 W Ave 26, Los Angeles Capitol 1-6161
Wholesale Supply Co, Box 16337 Vine St Sta, Los Angeles 38 Granite 4194
C K Williams & Co, 2424 Enterprise St, Los Angeles 21 Van Dyke 8111
Witco Chem Co, 649 S Olive St, Los Angeles Trinity 9573
Jacques Wolf & Co, 4308 S Broadway, Los Angeles Adams 3-7268
World Spray Co Inc, 4609 Avalon Blvd, Los Angeles Century 2-1439
Wyandotte Chem Corp, 114 W College St, Los Angeles 12
Specialty Resins Co, 2801 Lynwood Rd, Lynwood NE 6-2306
Wallace & Tiernan Sales Corp Div, Novadel-Agene Corp, 1713 S California Ave, Monrovia
Westvaco Chem Div, Newark 2811
An-Fo Mfg Co, 3129 Elmwood Ave, Oakland 1 Kellog 2-0221
Ansul Chem Co, 184 10 St, Oakland 7 Temple Bar 6-1233
Goldsmith Bros Smelting & Refg Co, 354 W 21 St, Oakland Highgate 4-1672
Kaiser Aluminum & Chem Sales Inc, 1924 Broadway, Oakland 12 Twinoaks 3-4600
McKesson & Robbins Inc, 831 Gastro St, Oakland Glencourt 1-0350
Michel & Pelton Co, 5743 Landregan St, Oakland 8 Olympic 2-1610
Sherwin-Williams Co, 1450 Sherwin Ave, Oakland 8 Olympic 2-2700
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California Spray-Chem Corp, Lucas & Ortho Way, Richmond Beacon 5-1060
Heckathorn & Co, 641 S 4 St, Richmond 3 Landscape 5-9210
Nopco Chem Co, 1141 S 14 St, Richmond Beacon 4-2220
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American Cyanamid Co, Industrial Chem Div, 111 Sutter St, San Francisco 4 Exbrook 2-6261
American Cyanamid Co, Plastics & Resins Div, 111 Sutter St, San Francisco 4 Exbrook 2-6261
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Baker & Adamson Products, 235 Montgomery St, San Francisco 4 Douglas 2-0904
F W Berk & Co Inc, 55 New Montgomery St, San Francisco Garfield 1-5317
Harvey J Boutin & Son, 7 Front St, San Francisco 11 Sutter 1-3386
Braun Knecht Heimann Co, 1400 16 St, San Francisco Hemlock 1-8800
E S Browning Co Div, Innis, Speiden & Co, 1515 3 St, San Francisco Douglas 2-0631
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Celanese Corp of America, 607 Market St, San Francisco 5 Douglas 2-3273
Chem Mfg Co, 369 Pine St, San Francisco 4
Clinton Foods Inc, 1 S Park, San Francisco 7 Yukon 2-1889
Cole & De Graf, 417 Market St, San Francisco 5 Yukon 6-4363
Commercial Minerals Co, 310 Irwin St, San Francisco 7 Hemlock 1-2482
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E I Du Pont de Nemours & Co Inc, Pigments Dept, 111 Sutter St, San Francisco 4 Exbrook 2-6230
El Dorado Oil Works, 311 California Ave, San Francisco 4 Exbrook 2-2036
Electro Metallurgical Co, 22 Battery St, San Francisco 6 Yukon 2-1360
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Geo Lueders & Co, 56 Main St, San Francisco 5 Yukon 2-5580
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Merrimac Div, Monsanto Chem Co, 111 Sutter St, San Francisco 4 Yukon 6-6232
Metalead Products Corp, 978 Mills Bldg, San Francisco 4 Douglas 2-6831
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Monsanto Chem Co, Western Div, 111 Sutter St, San Francisco 4 Yukon 6-6232
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U S Steel Corp, 25 Beale St, San Francisco 5
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Wheeler Reynolds & Stauffer, 636 California St, San Francisco 8 Sutter 1-5350
T C Wilson Co, 503 Market St, San Francisco 5 Sutter 1-8524
Wilson Meyer Co Div, Tennessee Eastman Co, 333 Montgomery St, San Francisco
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Paul W Wood Co, 350 Townsend St, San Francisco 7 Garfield 1-7000
Wyandotte Chem Corp, 512 Central Tower Bldg, San Francisco 3
Reichhold Chem Inc, Linden Ave, P O Box 635, S San Francisco Delaware 3-1466
A R Maas Chem Co Div, Victor Chem Works, 4570 Ardine St, South Gate Kimball 2214
Van Camp Labs, 772 Tuna St, Terminal Is Terminal 3-0411
Naugatuck Chem Div, 19201 S Vermont Ave, Torrance Plymouth 4-3155
Pacific Smelting Co, P O Box 85, Torrance Nevada 6-2556
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Rocky Mountain Supply Co, 2120 Market St, Denver Cherry 4511
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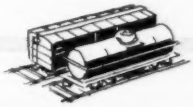
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Merchants Chem Co, Inc, Elm Court, Stamford 4-2397
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Atlas Powder Co, 9 & Market Sts, Wilmington 99 6-8241
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Davison Chem Corp, Bartow 310
Nash Chem Co, Box 596, Belle Glade 2083
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Chemo Puro Mfg Corp, 644 N Adelle Ave, Deland
Essential Oil Producers Inc, P O Box 157, Dunedin 8-511

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E W Colledge, G S A Inc, P O Box 389, Jacksonville 1 6-2461
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Glidden Co, Crestwood-Burton, Jacksonville 6-2461
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Paisley Products, 125 Margaret St, Jacksonville 5-3557
White Star Chem Corp, 2030 E Adams St, Jacksonville 3-4388
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McKesson & Robbins, 7455 N E 2 Ave, Miami, 89-5561
Spesco Wholesale Hardware Co, 1744 N W 1 Ave, Miami 36 3-8492
Morningstar, Nicol Inc, Atlantic Chem Div, Michigan Ave & R R, Orlando 2-1032
Paisley Products, Atlantic Chem Div, Michigan Ave & R R, Orlando 2-1032
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Harry Cohen, 982 Virginia Ave N E, Atlanta 6 Elgin 6797
Colgate-Palmolive-Peet Co, Hurt Bldg, Atlanta Walnut 7035
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Stein, Hall & Co, 80 W Peachtree Pl, N W, Atlanta 3 Alpine 1821
Sterwin Chem, 152 Peters St, S W, Atlanta Cypress 1626
Tennessee Corp, 619 Grant Bldg, Atlanta Walnut 4210
Tesco Chem Inc, Box 173 Sta C, Atlanta Atwood 9781
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National Aniline Div, Columbus Interstate Bldg, Columbus 3-1029
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Hawk Eye Compound Co Inc, 140 St & Seeley Ave, Blue Island 3200
Illinois Minerals Co, 807½ Washington Ave, Cairo 72
Marlyn Chem Co Inc, 156 & Forsythe, Calumet City Torrence 2-6962

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Alrose Chem Co, 629 W Washington Blvd, Chicago State 2-3538
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Central Scientific Co, 1700 Irving Park Rd, Chicago 13 Wellington 5-8600
Central Solvents & Chem Co, 2545 W Congress St, Chicago 12 Seeley 3-0505
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Diversey Corp, 1820 Roscoe St, Chicago Graceland 7-3000
V J Dolan & Co Inc, 1830 N Laramie Ave, Chicago 39 Berkshire 7-0100
Edward R Dornoff Co, 2400 W Madison St, Chicago 12 Taylor 9-2012
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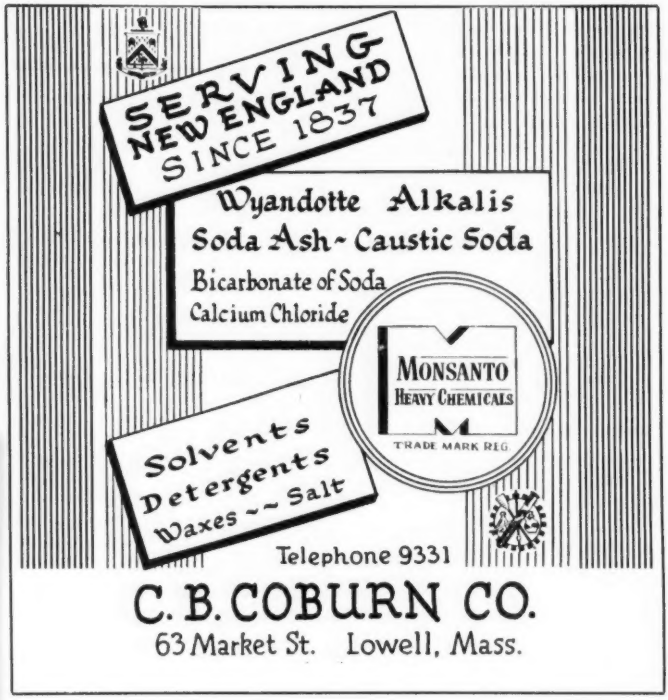
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R B Huber, 216 Tremont St, Boston 16 Hubbard 2-1454
Innis, Speiden & Co, 41 Commercial Wharf, Boston Capitol 7-3778
Kehew-Bradley Co, 43 Purchase St, Boston 10 Hancock 6-0415
E & F King & Co, 130 Albany St, Boston
H Kohnstamm & Co, 11 Elkins St, Boston 27 S Boston 2319
Koppers Co, Tar Products & Chem Div, 250 Stuart St, Boston 16 Hancock 6-1700
Lewis Chem Co Inc, 400 Northampton St, Boston 18 Commonwealth 6-1425—1426
Linder & Co Inc, 296 N Beacon St, Boston 35 Stadium 2-4620
Marine Products Co, 345 W 1 St, Boston 27 SO 8-0758
G C McClellan & Co, 141 Milk St, Boston 9 LI 2-0995
McKesson & Robbins Inc, 385 Summer St, Boston Hubbard 2-2600
Merrimac Div, Monsanto Chem Co, Boston 49 Everett 7-5010
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Monsanto Chem Co, Phosphate Div, Everett Sta, Boston 49 Everett 7-5010
Morningstar, Nicol Inc, 79 Milk St, Boston Hubbard 2-2175
National Aniline Div, 150 Causeway St, Boston 14 Capitol 7-0490
Naugatuck Chem Div, 560 Atlantic Ave, Boston Liberty 6460
New England Chem Co, 486 Boylston St, Boston 16 Kenmore 6-2802
Nopco Chem Co, 10 High St, Boston 10 Hubbard 2-1202
Paisley Products, 79 Milk St, Boston Hubbard 2-2175
Philipp Bros Chem, 176 Federal St, Boston 10 Liberty 2-8815
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Pingo Co, 79 Sudbury St, Boston 14 Capitol 7-8244
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Sindar Corp, 140 Federal St, Boston Liberty 2-4757
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Stein, Hall & Co, 80 Federal St, Boston 10 Liberty 2-5871
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Wilbur & Williams Co, 130 Lincoln St, Brighton 35 Stadium 2-1700

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B B Chem Co, 784 Memorial Dr, Cambridge 39 Kirkland 78500
Concord Labs, 292 Main St, Cambridge 42 TR 6-5952
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William D Egleston Co, 249 5 St, Cambridge 42 Eliot 4-1234
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Colorado Asbestos & Mining Co, Box 65, S Braintree 2-324
Berkshire Color & Chem Corp, 42-44 Hampden St, Springfield 6-8359
Hampden Color & Chem Co, 5 Albany St, Springfield 2-2112
Heatbath Corp, Box 78, Springfield 1 8381
McKesson & Robins, 88 Birnie Ave, Springfield 6-4554
Monsanto Chem Co, Springfield 8371
Monsanto Chem Co, Plastics Div, Springfield 2 Springfield 8371
Perkins Soap Co, 210 Albany St, Springfield 6-7231
Shawinigan Resins Corp, 644 Monsanto Ave, Springfield 2 8328
George Mann & Co, 105 Central St, Stoneham 80 Winchester 6-2910
Bay State Abrasive Products Co, Westboro
Atlantic Gelatin Div, Hill St, Woburn 2-2800
Woburn Degreasing Co, Woburn 2-0306
Precision Testing Labs, P O Box 973, Worcester 1
White & Bagley Co, P O Box 1171, Worcester 5-6151
Zialite Corp, 92 Grove St, Worcester 5 5-6362

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Anderson Labs Inc, 3250 Parr Rd, Adrian 1810
Dow Chem Co, Consulting Engineering Div, Ann Arbor
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American Agricultural Chem Co, 204 S Forman Ave, Detroit Vinewood 2-0146
Algo Chem Co, 1027 S Deacon St, Detroit Vinewood 2-3537
American Cyanamid Co, Industrial Chem Div, 931 Fisher Bldg, Detroit 2 Trinity 4-1450
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Ansul Chem Co, 2442 Fenkell Ave, Detroit 21 University 4-8121
Armour & Co, 1903 Adelaide St, Detroit 7 Woodward 1-3503
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Detroit Rendering Co, 2500 22 St, Detroit 16 Tashmoo 5-1711
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Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9 Woodward 2-5216
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Electro Metallurgical Co, General Motors Bldg, Detroit 2 Trinity 5-7805
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Heyden Chem Corp, 2111 Woodward Ave, Detroit Woodward 1-0998
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McKesson & Robbins Inc, 515 W Jefferson Ave, Detroit Woodward 2-5820
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Monsanto Chem Co, 827 Fisher Bldg, Detroit 2 Trinity 2-5728
Monsanto Chem Co, Organic Chem Div, 827 Fisher Bldg, Detroit 2 Trinity 2-5728
Monsanto Chem Co, Phosphate Div, 827 Fisher Bldg Detroit 2 Trinity 2-5728
Morningstar, Nicol Inc, 6432 Cass St, Detroit Trinity 1-4600
Nielco Chem, P O Box 4703, Detroit 19 Texas 4-0141
O H Osgood Co, 4181 Oakman Blvd, Detroit 4 Texas 4-4161
Paisley Products, 6432 Cass St, Detroit Trinity 1-4600
Park Chem Co, 8074 Military Ave, Detroit Tyler 5-7215
Parker Rust-Proof Co, 2177 E Milwaukee Ave, Detroit 11 TR 5-3377
Peerless Chem Co, 3850 Oakman Blvd, Detroit WE 3-7525
Pennsylvania Salt Mfg Co, 1114 Buhl Bldg, 535 Griswold St, Detroit 26
Penola Oil Co, 3780 Penobscot Bldg, Detroit 26 Woodward 5-5151
Reichhold Chem Inc, 601-707 Woodward Heights Blvd, Detroit 20 Jordan 4-6500
Reilly Tar & Chem Corp, 172 Farrand Park, Detroit Townsend 7-6975
Rinshed-Mason Co, 5935 Milford St, Detroit 10 Tyler 4-4600
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Standard Oil Co, 1011 4 Ave, Detroit 26 Woodward 2-5870
J W Stark Co, 804 New Center Bldg, Detroit 2 Trinity 5-1815
Stein, Hall & Co, 501 Stephenson Bldg, Detroit 2 Trinity 2-5416
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Wyandotte Chem Corp, 1319 Dime Bldg, Detroit 26

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Tanner Supply Co, 225 Watson Bldg, 108 Fulton St E, Grand Rapids 2 9-6230
Wolverine Solvents & Chem Co, 1500 Century Ave, Grand Rapids 9 59-111

Harsyd Chem Inc, Holland 6-6209
Atlas Powder Co, Box 72, Houghton 480
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Carrier-Stephens Co, Lansing 2-0838
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Dow Chem Co, Midland 500
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Acheson Colloids Corp, 1635 Washington Ave, Port Huron 32-101
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Baker & Adamson Products, 800 Hawks Ave, River Rouge 18 Vinewood 2-1500
Standard Oil Co, 205 Janes Ave, Saginaw 23111
Beechem Labs, 1102 W State St, St Johns 218
Michigan Chem Corp, 500 N Bankson St, St Louis 41
Gunnell Capsulations Inc, 11468 E 9 Mile Rd, Van Dyke 1 Slocum 7-8911
Archer-Daniels-Midland Co, 4501 Biddle Ave, Wyandotte 1950
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Cutler-Magner Co, 116 Fidelity Bldg, Duluth 2-1418
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Baker & Adamson Products, 129 6 Ave S E, Minneapolis 14 Geneva 8681
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Morningstar, Nicol Inc, 110 W 39 St, Kansas City Jefferson 4336
Paisley Products, 110 W 39 St, Kansas City Jefferson 4336
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Rohm & Haas Co, 603 Midland Bldg, 1221 Baltimore Ave, Kansas City 6 Victor 6850
Spencer Chem Co, 610 Dwight Bldg, Kansas City 6 Victor 2822
Standard Oil Co, 2 W 40 St, Kansas City 2 Logan 4140
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8 Talbot 2473
United States Industrial Chem, Pickwick Bldg, 903 McGee St, Kansas City 7 Harrison 5243
Victor Chem Works, 914 Board of Trade Bldg, Kansas City 6 Harrison 2051
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American Cyanamid Co, Industrial Chem Div, 5025 Pattison Ave, St Louis 10 Mohawk 5306
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American Zinc Sales Co, 1600 Paul Brown Bldg, St Louis 1 Central 5390
Arabol Mfg Co, 2500 Texas Ave, St Louis 4 Sidney 2875
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Baker & Adamson Products, 818 Olive St, St Louis 1 Chestnut 3870
Bradley & Baker, 515 Merchants Exchange, St Louis Garfield 1509
Carbide & Carbon Chem Co, Div Union Carbide & Carbon Corp, 3615 Olive St, St Louis 8
Colgate-Palmolive-Peet Co, 1174 Arcade Bldg, St Louis Garfield 5060
Columbia-Southern Chem Corp, 610 Shell Bldg, St Louis 3 Chestnut 0611
Commercial Solvents Corp, 926 Spruce St, St Louis 2 Main 8282
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H Kohnstamm & Co, 2347 Rutgers St, St Louis 4 Laclede 6430
Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7 Central 8980
Mathieson Hydrocarbon Chem Corp, Rialto Bldg, St Louis 2 Chestnut 7090
McKesson & Robbins Inc, 320 S Broadway, St Louis Main 3440
Merck & Co, 4528 S Broadway, St Louis Riverside 7000
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Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 1 Garfield 3495
Monsanto Chem Co, 1700 S 2 St, St Louis 4 Main 4000
Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4 Main 4000
Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4 Main 4000
Morningstar, Nicol Inc, 826 Clara, St Louis Forest 4200
Paisley Products, 826 Clara, St Louis Forest 4200
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Sherwin-Williams Co, 515 Spruce St, St Louis 2 Chestnut 6684
Solvay Sales Div, 3615 Olive St, St Louis
Standard Oil Co, 314 N Jefferson Ave, St Louis 3 Central 3420
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United States Industrial Chem, 1600 Clark Ave, St Louis 3 Garfield 5141
Westvaco Chem Div, Shell Bldg, 1221 Locust St, St Louis Chestnut 1182
Wyandotte Chem Corp, 1430 Paul Brown Bldg, St Louis 1
Minnesota Mining & Mfg Co, 367 Grove St, St Paul 1 Cedar 3071

MONTANA

Standard Oil Co, 2710 1 Ave N, Billings 4126

NEBRASKA

Archem Corp, Box 69, Crete 141

Omaha

Colgate-Palmolive-Peet Co, 812 W O W Bldg, Omaha Jackson 7633
H Kohnstamm & Co, 1307 Leavenworth St, Omaha 8 Atlantic 0926
McKesson & Robbins Inc, 902 Farnam St, Omaha Atlantic 5000
Merchants Chem Co Inc, 605 Leavenworth St, Omaha Atlantic 4756
Monarch Chem Works Inc, 22 & Ave H, Omaha Atlantic 5254
Standard Oil Co, 504 S 18 St, Omaha 2 Atlantic 3900
Thompson-Hayward Chem Co, 1110 S 4 St, Omaha 8 Webster 4700
Warren-Douglas Chem Inc, 1513 Burt St, Omaha 2 Harney 4221

NEW HAMPSHIRE

Brown Co, 650 Main St, Berlin 46
Wood Flour Inc, Winchester 140

NEW JERSEY

American Pyroxylin Corp, P O Box 193, Arlington Kearny 2-9121
Asbury Graphite Mills Inc, Warren Co, Asbury Hampton N J- 2-101
Coating Materials Labs Inc, 689 Main St, Belleville 2-3440
H V Hardman Co Inc, Belleville 9 2-1242
Ottol Oil Co, 455 Cortlandt St, Belleville 2-5172
Summit Chem Products Corp, 11 William St, Belleville 9 2-3225
Van Dyk & Co Inc, Main & William Sts, Belleville 2-3225
Wallace & Tiernan Products Inc, 11 Mill St Belleville 9 Humbolt 3-6000
Reheis Co Inc, Snyder Ave, Berkeley Heights Summit 6-7110
Lehn & Fink Products Corp, 192 Bloomfield Ave, Bloomfield
L B Russell Chem Inc, 60 Orange St, Bloomfield 2-9083
Calco Chem Div, Bound Brook
Chipman Chem Co, Inc, Bound Brook 9-0770
R B H Dispersions, 2 Hamilton St, Bound Brook 9-0700
R M Hollingshead Corp, 840 Cooper St, Camden WO 4-7000
H Kohnstamm & Co, Lemuel & Lois Aves, Camden 4-1150
Standard Soap Co of Camden, 205 S 2 St, Camden Woodlawn 4-3278
Taylor White Extract Co, Camden
Geo D Wetherill Varnish Co, Haddon Ave & White Horse Pike, Camden 3 WO 4-1313
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L J & M La Place, Lellarts Lane, E Paterson Fairlawn 6-4850
Wm J Schepp Co Inc, 21-23 Summit Ave, E Paterson Fairlawn 6-1212
Matheson Co Inc, Paragon Div, E Rutherford Rutherford 2-9500
Trubek Labs Inc, State Hway Rt 17, E Rutherford Rutherford 2-7715
U S Mica Co Inc, Jordan Ave & Van Dyke St, E Rutherford Rutherford 2-8950

Elizabeth

Chemsol Inc, 70 Prince St, Elizabeth 3 3-1369
Emkay Chem Co, 319 2 St, Elizabeth 1 2-7053
Georgia Kaolin Co Inc, 433 N Broad St, Elizabeth 2-1636
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Sherwood Refining Co Inc, 1 W Forest Ave, Englewood 3-8200

Tex-Chem Co, 20-21 Wagaraw Rd, Fairlawn Hawthorne 7-3344
Dixo Co, 225 River Rd, Garfield Prescott 7-7215
B R Elk Co Inc, 193 Palisade Ave, Garfield Prescott 7-3803
Heyden Chem Corp, 290-300 River Dr, Garfield Prescott 9-0570
Metasap Chem Co, Logan & Davis St, Harrison 6-6200
Nopco Chem Co, Logan & Davis Sts, Harrison 6-6200
U S Varnish Co, 627 Franklin Ave, Hasbrouck Heights 8-0373
Magna Mfg Co Inc, Haskell Pompton Lakes 7-1200
Harmon Color Works Inc, P O Box 14, Hawthorne Lambert 3-2900
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American Lithographic Varnish Co Inc, 926 Harrison Ave Kearny 2-9354
Kearny Mfg Co, Inc, Box 61, Kearny 2-7800
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Bopf-Whittam Corp, 1135 Elizabeth Ave W, Linden 2-4020
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Acme Shellac Products Co, 100 Blanchard St, Newark 5 Market 3-7707
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Benzol Products Co, 237 South St, Newark 15 Market 2-6141
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Clarion Chem Corp, 17-31 George St, Newark 5 Market 3-5725
Colloids Inc, 394 Frelinghuysen Ave, Newark 5 Bigelow 3-8500
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C P Hall Co, Bay Ave at Wheeler Point Rd, Newark Market 2-2652
Interchem Corp, 224 McWhorter St, Newark Mitchell 2-8300
Intertol Co Inc, 480 Frelinghuysen Ave, Newark 5 Bigelow 3-2001
Keiner Co, 410 Adams St, Newark 5 Market 2-5251
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Ultra Chem Works Inc, 2 Wood St, Paterson 4 Sherwood 2-4910
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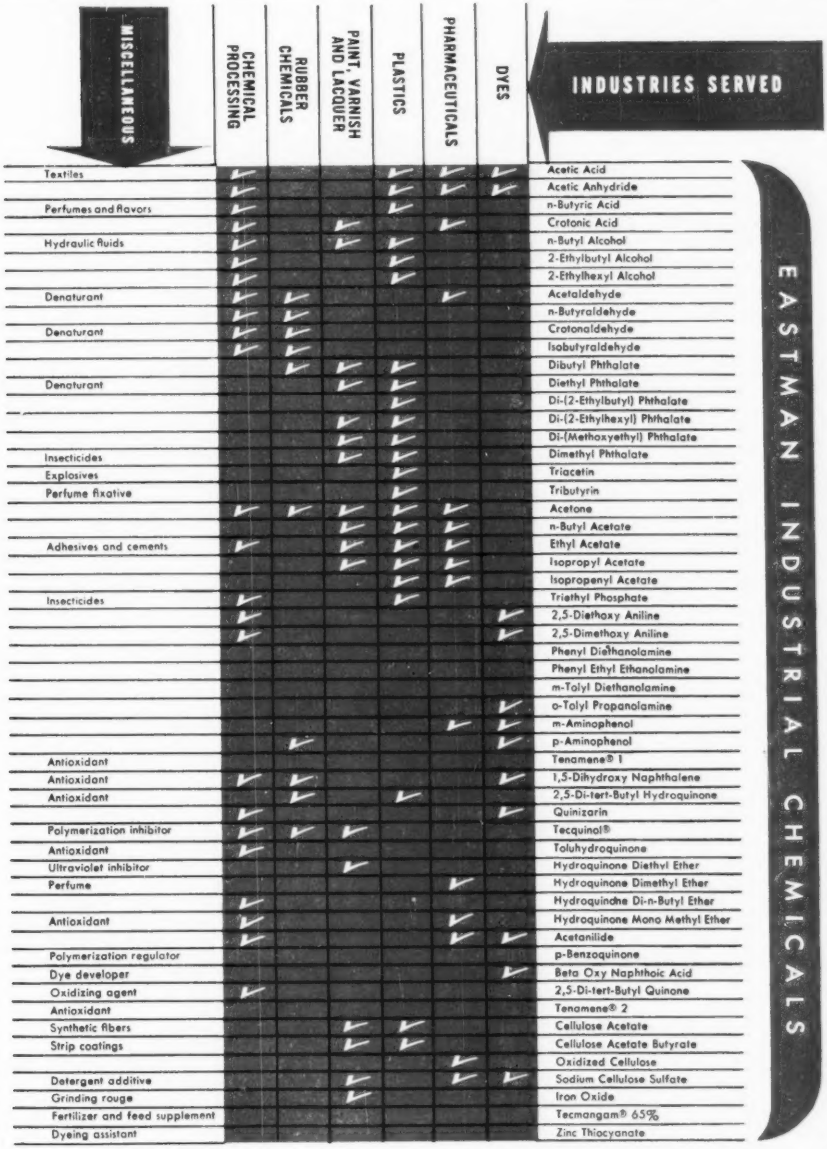
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Fresh Meadows See N Y City
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Imperial Paper & Color Corp, Box 231, Glens Falls 2-5831
Fulton Process & Chem Corp, 97 2 St, Gloversville 5-1618
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Aceto Chem Co Inc, 82 Beaver St, N Y 5 Digby 4-9760

Adams-Henry Chem Co Inc, 32 Broadway, N Y 4 Whitehall 4-5270

Adelphi Paint Color Works Inc, 86 Dumont Ave, Ozone Park 17 Virginia 5-6600

Adhesive Products Corp, 1660 Boone Ave, N Y KI 2-4600

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16 Murray Hill 9-2620

Afta Solvents Corp, 470 W 128 St, N Y 27 Monument 2-7306

Agazarian & Co, 99 Hudson St, N Y 13 Rector 2-9258

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Albumina Supply Co Inc, 2 Broadway, N Y 4 Whitehall 4-4790

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Titanium Alloy Mfg. Division are pioneers in the development of both elements . . . Titanium and Zirconium. For over 40 years, all the resources and efforts of this company have been devoted to exploiting the alloys of Titanium and the compounds of Zirconium and Titanium. With the cooperation of the technical staffs of many customers, researchers and members of the field staff have originated major applications in over 20 industries.

ZIRCONIUM COMPOUNDS

The possibilities and uses of ZIRCONIUM and its compounds in industry are extensive and increasingly larger. At the same time, current developments in progress point to still further expansion of the various products now used successfully in large quantities in the manufacture of Refractories, Electrical Resistors, Dye Extenders, Water Repellents of Textiles, Catalysts, Abrasives, Vitreous Enamel and Glaze Opacifiers, Toners, etc.

TAM Zirconium Metal—Atomic weight of Zirconium is 91.22—specific gravity 6.4. The atomic heat varies from 6.07 to 7.31 at temperatures ranging from 0° to 100° C. Melting point of the metal has not been accurately determined due to probable variation of the purity of the metal under observation and has been reported from 1529° to 1700° C. Zirconium is quadrivalent. Its atomic number is 40 in the periodic system. It has a great affinity for oxygen and at elevated temperatures combines readily with nitrogen, phosphorus, sulfur, the halogens and the like. Zirconium has value as an oxygen getter and is used in flashlight bulbs, as an Oxygen and Nitrogen getter in radio broadcasting and vacuum tubes. The metal is of interest in the above Energy program and due to its high resistance to acids, in chemical equipment, etc.

Zirconium Oxide ZrO_2—Color, white—Specific gravity about 5.6—Melting point about 2700° C. Ignited Zirconium Oxide (fused) is practically insoluble in all mineral and organic acids except Hydrofluoric and concentrated H_2SO_4. It is insoluble in aqueous solutions of alkaline reagents. It will form Zirconates when dissolved in molten caustic alkalies of certain chlorides. It is relatively insoluble in many glass compositions. It has a high refractive index and in some forms a fair hiding power. It is powerfully cantoluminescent.

These properties make Zirconium Oxide commercially important as an opacifier in ceramics, in super refractories, in optical glass polishing, etc. Research with this compound also indicates high ultra violet repelling properties.

Stabilized Zirconia exhibits excellent thermal shock properties. This advantage plus the very high melting point (4600° to 4700° F) makes it an outstanding refractory for high temperature applications. The development of Stabilized Zirconia is of recent date and data covering its resistance to various alloys, metals, atmospheres, etc., have not been fully determined. Cooperative research is invited.

Zirconium Silicate (Zircon) $ZrSiO_4$—Hardness 7.5—Color, mainly colorless—Index of refraction 1.93 B—Dispersion 2 V 10°—Crystalline Tetragonal—Cleavage 110 rare—specific gravity 4.65—Melting point between 2200°-2300° C., coefficient of expansion is low. Zircon is a good electrical insulator at elevated temperatures and imparts good heat shock resistance in such bodies. Zircon is practically insoluble in all mineral and organic acids. It is unaffected by aqueous solutions of alkaline reagents, either hot or cold. The mineral is decomposed by alkaline fusions.

These properties, among others, make Zircon valuable in industries such as ceramics, heavy chemicals, super refractories, abrasives, dental and high temperature casting cements, mold and core washers, and electrical resistance compounds. Zircon refractories are used in considerable quantities in industries such as phosphates, aluminum refining, precious metals, etc. Crucibles made from this compound exhibit high heat shock resistance. Titanium Alloy Mfg. Division produces Zirconium Silicates of various purities for various uses.

Zirconium Silicate (Zircon) Refractories—These refractories are used in the manufacture of meta phosphates, aluminum refining, platinum and other precious metal melting, high temperature burner block applications and for many other special purposes.

They operate safely up to 2000° C., exhibit good heat shock and abrasion resistance properties and resist the action of various acids and acid slags.

A complete line of standard and special shapes is manufactured.

Zirconium Silicate (Zircon) Electrical Cements—These cements are used in increasing quantities for electrical insulation of heater units such as strip heaters, flat irons, stove units, etc., because they exhibit exceptionally low operating and humidification leakages and extremely fast returns to normal after humidification tests are completed.

In dry press Flat iron insulation, for instance, TAM Cement type A shows an operating leakage of 0.002 M.A., a standard humidification test leakage of 0.02 M.A., and a return to normal in from 15 to 30 seconds.

In mud cast electrical elements TAM cement type B shows an operating leakage of 0.02 M.A., on humidification 0.5M.A., with a return to Normal in from 10 to 15 seconds.

TAM Zirconium Oxychloride $ZrOCl_2+8H_2O$—Color, cream white—Soluble in water. Stable if kept at temperatures below 80° C. When heated above that temperature, hydrochloric acid is liberated, and when calcined ZrO_3 remains. Alkali metal carbonates first precipitate the Zr as hydroxide which dissolves in an excess to form Zirconium Carbonate. This compound is stable only when cold. If heated, Zirconium Carbonate decomposes yielding the hydroxide.

Ammonium Carbonate precipitates the hydroxide which dissolves in excess reagent to form the soluble carbonate. In presence of organic acids, the precipitation of Zirconium hydrate with alkalies can be hindered or prevented.

Phosphoric acid and soluble phosphates precipitate Zirconium phosphate. A saturated solution of tannic acid precipitates Zirconium Tannate.

Zirconium oxychloride as well as the sulphate is the basis from which other Zirconium compounds now used in catalysis, water repellence, manufacture of lakes, dye extenders, etc., are precipitated.

Zirconium Acetate, $ZrOOC_2H_3O_2$. $HC_2H_3O_2$.—This compound is furnished in solution form and finds application in water repellent treatment of textiles and in the manufacture of color lakes.

This and other TAM Zirconium compounds are used in water repellent treatment of various types of textiles and produce superior repellence when tested by both standard hydrostatic and spray methods.

Zirconium Sulphate $Zr(SO_4)_2+4H_2O$—Color, practically colorless—the compound is soluble in hot water. The chemical behavior of Zirconium sulphate towards other reagents is approximately the same as the oxychloride.

Space does not permit mentioning the properties and uses of other Zirconium compounds manufactured by the Titanium Alloy Mfg. Division such as Zirconium Nitrate, Carbide, Tetrachloride, Sodium Zirconium Silicate, Potassium and Barium Zirconium Silicates, Stearate, and many others.

Chemical analysis and properties will be gladly furnished. Samples of Zirconium Lactate, Zirconium Hydrate and Zirconium Hydrate Carbonated or other Zirconium compounds can be prepared for experimental purposes.

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TAM RESEARCH CO-OPERATION

TAM laboratories at Niagara Falls contain extensive facilities for research and control along chemical, metallurgical and ceramic lines. Of equal or greater importance is the unique precision equipment maintained for experimental work and the testing of finished products.

The benefits of this modern specialized research are available to industry through a practical engineering staff constantly at work in the field. Qualified by training and experience, these men have the knowledge that makes their assistance in working out problems in your plant especially valuable.

TAM TITANIUM PRODUCTS INCLUDE

TITANIUM COMPOUNDS

Titanium compounds are finding a variety of uses in industry today for such applications as welding rod coatings, scavengers of steel, carbide tools, electrical condensers, acid resisting ceramic coatings and others.

Titanium Alloys—Titanium alloys such as low, medium, high carbon Ferro Titanium, Iron and Steel Foundry are used in large and increasing quantities as carbon stabilizer of stainless steels and porcelain enameling iron and as alloy additions. Some of these alloys find volume application as steel cleansers and deoxidizers and as grain refiners and graphitizers of cast iron.

Alloys such as nickel and manganese Titanium find application in weld rod coating and as alloy additions.

Titanium Carbide TiC—This compound is very hard, has high abrasive value and its melting point and behavior toward other reagents are similar to the properties of Titanium Cyanonitride. TiC finds an ever increasing application in the carbide tool industry.

Rutile—A Titanium Oxide mineral, found in various parts of the world, finds considerable application in welding rod coatings where it, in conjunction with other compounds, aids in the stabilization of the arc, speed of welding, proper slag formation, and in the production of welds of satisfactory elongation, density, strength and endurance. Rutiles are also used as staining compounds by the Ceramic Industry.

Titanium Alloy Mfg. Division produces Rutiles containing approximately 93% Titanium Oxide, all of them of exceptional uniformity.

Titanates—Titanates manufactured by the Titanium Alloy Mfg. Division, such as sodium and potassium, find increasing uses in welding rod coatings, and the Titanates of barium, calcium, strontium & magnesium are used in large quantities in the manufacture of radio condensers, electrical resistors, etc.

$TiCl_4$ is a colorless (commercial grade amber with reddish tint) transparent liquid. The specific gravity is 1.76, melting point 25° C. and boiling point 136.4° C. $TiCl_4$ hydrolyzes readily in the presence of moisture and forms basic chloride or titanic acid and hydrochloric acid. $TiCl_4$ reacts readily with many organic substances.

TAM Titanium Cyanonitride—Color, silvery gray, specific gravity about 5.0, melting point in reducing atmosphere over 2750° C. Heating to red heat imparts a variegated range of beautiful surface colors.

Various other Titanium and Zirconium compounds are manufactured and available for many applications too numerous to mention. Complete data and information sent on request.

A carefully technical trained field staff located in various parts of the country are at your service at all times.

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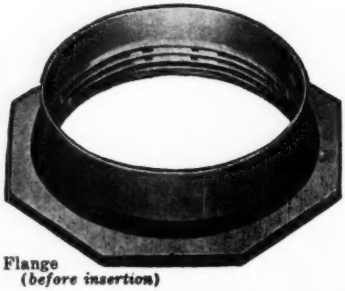




The Seal



The Plug



The Flange
(before insertion)

The Tri-Sure Closure* was designed to meet the demands of oil and chemical companies for a soundly-engineered sealing device which would safeguard liquids in drums from the hazards of transit.

Today the Tri-Sure Closure is used in more countries, by more companies, and for more products than any other closure—because it is recognized as the most reliable means of ensuring the delivery of the exact quantity and quality which the shipper puts into the package.

The Tri-Sure Closure provides a margin of safety which far surpasses the requirements of the average container:

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Safety from Pilferage and Substitution

This multiple assurance of safety is achieved by the perfect inter-engagement of three precisely-formed parts—a flange, a plug and a seal.

THE FLANGE**

The Tri-Sure Steel Flange is inserted as an integral part of the drum stock—as strong as the drum itself. An octagonal seat formed in the drum stock receives the octagonal base of the flange. The neck of the flange fits snugly within the collar of the drum stock, which extends upward from the octagonal seat. The extending end of the neck is curled tightly over the free end of that collar, thus strongly compressing the flange gasket, and drawing the base of the flange up into its octagonal seat. This exclusive Tri-Sure assembly resists rotation, distortion and leakage.

AMERICAN FLANGE & MANUFACTURING CO. INC.

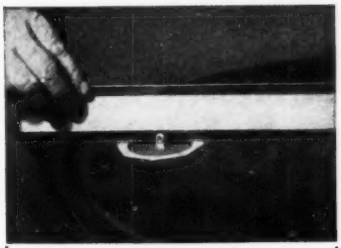
THE PLUG**

The Tri-Sure Plug fits securely into the flange to effect a tight closing. The plug is die-cast from a high-grade die-casting alloy, enabling its dimensions to be maintained within close tolerance. The gasket seat is exactly formed, and its relationship to the plug threads is exactly maintained. The result is that Tri-Sure Plug gaskets seat with perfect uniformity and efficiency.

Tri-Sure Plugs are available in three sizes—2", 1½", and ¾"—all with holes for wire-sealing. The 2" and 1½" plugs are provided with either eyelets or threaded adapters on their bases to receive faucets. Rolled thread or pressed steel plugs are also available.

THE SEAL

The Tri-Sure Seal is made of 195-lb. plate. With its own gasket, it forms a leak-proof, air-tight covering for the closure which prevents breathing-in, intake of dust, and seepage. When the seal is applied, with the special sealing tool, the skirt of the seal is pressed in against the neck of the drum stock, and extends practically to the base of that neck, so that the seal cannot be pried off without destroying it, making undetected tampering, pilferage or substitution impossible. Scored lines on seal make its authorized removal an easy, quick operation.



TRI-SURE FULL DRAINAGE SAVES 8.34 OUNCES IN EVERY DRUM

The base of the Tri-Sure Flange is perfectly flush with the inside of the drumhead. This flush fitting of the flange is an invaluable feature, as it assures full drainage, and the saving of considerable gallonage from waste. Tests have shown that drums fitted with Tri-Sure Closures drain an average of 8.34 more ounces. Calculated on the basis of a 10,000 55-gal. drum shipment, the consumer will recover over 650 gals. which would otherwise remain in the drums.

Tri-Sure Seals can be supplied with your name, trademark or other insignia—designed and lithographed in full color to your exact specifications. These customer-designed seals provide attractive product identification, and many hundreds of private designs are now in use in the United States alone.

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Any drum manufacturer, in any country, can supply you with drums equipped with Tri-Sure Closures. A Tri-Sure Flange is inserted as an integral part of the steel container body at the time of manufacture. Precision dies for this operation, supplied by our company, are in the plants of all drum manufacturers. Just specify Tri-Sure Closures to your supplier, and your drums will be delivered with flanges and plugs; you apply the seals.

Specify Tri-Sure Closures on every drum order, as an expression of the pride you take in your product—and as proof to your customers that every gallon in every drum is protected from leakage, seepage, tampering and pilferage.

**The "Tri-Sure" Trademark is a mark of reliability backed by 29 years serving industry. It tells your customers that genuine Tri-Sure Flanges (inserted with genuine Tri-Sure dies), Plugs and Seals were used.*

***2" flanges and plugs manufactured with American and also British (Whitworth) Thread.*

New Tri-Sure Products



TRI-SURE SIDE-SCORED SEAL WITH FLOWED-IN GASKET

This new seal, embodying wings and side-scoring, marks an outstanding achievement in ease of removal—at the same time retaining the same high quality and positive protection that are exclusive with Tri-Sure Seals. Like all Tri-Sure Seals, it gives protection from leakage, seepage, and pilferage.



For lined or coated steel containers

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This new Polythene Plug is made of tough, chemically inert plastic, with gasket molded in place. It is designed to complete the elimination of metal surfaces in lined or coated steel containers, and, with the special cap seal, provide security from leakage, pilferage and substitution. Resistant to most corrosive acids and alkalis.



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English China Clays Sales Corp, 551 5 Ave, N Y 17 Murray Hill 2-2190
Enjay Co Inc, 15 W 51 St, N Y 19 Plaza 7-1200
Ethyl Corp, 100 Park Ave, N Y 17 Oregon 9-2000
Eurenjy & Co, 220 Broadway, N Y 7 Worth 2-2818
European Chem Co Inc, 366 Broadway, N Y 13 Beekman 3-6246
Evans Chemetics Inc, 250 E 43 St, N Y 17 Murray Hill 3-0071
Evergreen Chem Co, 160 5 Ave, N Y Chelsea 3-1937
Expedo Corp, 37 Wall St, N Y 5 Digby 4- 6736
Faesy & Besthoff Inc, 325 Spring St, N Y 13 Algonquin 5-7300
Fallek Products Co Inc, 163 Broadway, N Y 6 Barclay 7-7939
Frank G Fanning, 50 E 42 St, N Y 17 Murray Hill 7-7756
Farber Products Co Inc, 226 Lafayette St, N Y 12 Beekman 3-6120
Frank C Farinella, 19 W 44 St, N Y Murray Hill 7-9221
Feedwaters Inc, 140 Cedar St, N Y Rector 2-0494
B G Feinberg, 112 W 44 St, N Y 18 Luxemburg 2-3244
Fellows Medical Mfg Co Inc, 26 Christopher St, N Y 14 Chelsea 2-4620
Filo Color & Chem Corp, 202 E 44 St, N Y Murray Hill 2-4883
Fine Organics Inc, 211 E 19 St, N Y 3 Gramercy 5-1030
Firmenich & Co, 250 W 18 St, N Y 11 Watkins 9-5220
Fischer Chem Co Inc, 60 E 42 St, N Y 17 Murray Hill 2-2587
Fischer Scientific Co, 635 Greenwich & Morton Sts, N Y 14 Watkins 4-7250
Fleischman, Burd & Co Inc 22 W 48 St, N Y 19 Plaza 7-3460
Fleuroma Inc, 73 Sullivan St, N Y 12 Worth 2-4022
Flintkote Co, 30 Rockefeller Plaza, N Y 20 Plaza 7-5500
Florasynth Labs Inc, 1513 Olmstead Ave, N Y 61 TA 8-6000
Forty-Four Trinity Pl Corp, 44 Trinity Pl, N Y 6 Whitehall 3-3157
Fougera & Co Inc, 75 Varick St, N Y 13
Foundry Services Inc, 280 Madison Ave, N Y 16 Murray Hill 6-6657
Freeport Sulphur Co, 122 E 42 St, N Y 17 Lexington 2-1450
Frey & Co, N Y Produce Exchange, N Y 4 Whitehall 4-2541
Fries & Fries Inc, 142 S Long Beach Rd, Rockville Centre RO 6-8282
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Gaetjens, Berger & Wirth Inc, 35 York St, Bklyn 1 Main 4-8365
Gallard Schlesinger Chem Co, 92 Liberty St, N Y 6 Rector 2-0262
Gallowhur Chem Corp, 801 2 Ave, N Y 17 Lexington 2-3720
Gane's Chem Works Inc, 677 5 Ave, N Y 22 Plaza 3-8980
Gane & Ingram Inc, 43 W 16 St, N Y 11 Watkins 4-9404
Garrigues, Stewart & Davies Inc, 75 West St, N Y 6 Whitehall 4-1830
Geigy Co Inc, 89 Barclay St, N Y 8 Barclay 7-3270
General Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6 Whitehall 4-2220
General Dyestuff Corp (Sole Selling Agent-Gen Aniline & Film Corp) 435 Hudson St, N Y 14 Watkins 4-0600
General Wax Refining Co, 386 4 Ave, N Y Murray Hill 6-6791
Georgia Kaolin Co, 230 Park Ave, N Y Murray Hill 6-6791
Georgia Peruvian Ochre Co Inc, 165 Broadway, N Y 6 Cortlandt 7-8767
D K Gersten Trading Co, 150 Nassau St, N Y 38 Beekman 3-4640
R Gesell Inc, 200 W Houston St, N Y 14 Watkins 4-3870
Gillespie-Rogers-Pyatt Co Inc, 75 West St, N Y 6 Whitehall 3-9740
Charles Gitlan & Co Inc, 25 Beaver St, N Y 4 Digby 4-3058
Givaudan-Delawanna Inc, 330 W 42 St, N Y 18 Lackawanna 4-6500
Givaudan Flavors Inc, 330 W 42 St, N Y 18 Lackawanna 4-6500
Globe Extracts Inc, 2896 Fulton St, Bklyn 7 AP 7-4740
Glycerine Corp of America, 36 W 44 St, N Y 18 Murray Hill 2-8470
Glyco Products Co Inc, 26 Court St, Bklyn 2 Main 4-1760
Goldschmidt Chem Corp, 153 Waverly Pl, N Y 14
Goldsmith Bros Smelting & Refg Co, 74 W 46 St, N Y 19 Luxemburg 2-0630
Golwynne Chem Corp, 420 Lexington Ave, N Y 17 Murray Hill 6-3600
Gotham Ink & Color Co, 5-19 47 Ave, L I C Ironsides 6-3120

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W R Grace & Co, 7 Hanover Sq, N Y 5 Whitehall 4-1200
William S Gray & Co, 342 Madison Ave, N Y 17 Murray Hill 2-3100
Great Lakes Carbon Corp, 18 E 48th St, N Y 17 Eldorado 5-6200
R W Greeff & Co Inc, 10 Rockefeller Plaza, N Y 20 Circle 6-9680
Greene Trading Co Inc, 60 Wall St, N Y 5 Whitehall 4-0171
K F Griffiths & Co, 280 Madison Ave, N Y 16 Murray Hill 3-8350
A Gross & Co, 295 Madison Ave, N Y Murray Hill 3-8250
E Gumpert Corp, 75 West St, N Y 6 Whitehall 4-9199
Gunning & Gunning Inc, 601 W 26 St, N Y 1 Watkins 4-2180
Haeuser Shellac Co Inc, 52 Warren St, Bklyn 2 Main 4-3184
Alfred Hague & Co Inc, 227-34 St, Bklyn Sterling 8-1575
Halowax Products, Div Union Carbide & Carbon Corp 30 E 42 St, N Y 17 Murray Hill 7-8000
Hamill & Gillespie Inc, 225 Broadway, N Y 7 Barclay 7-5067
W C Hardesty Co Inc, 41 E 42 St, N Y 17 Murray Hill 2-1920
Hardesty Chem Co Inc, 41 E 42 St, N Y Murray Hill 2-1920
M W Hardy & Co Inc, 141 Broadway, N Y 6 Worth 4-1550
Haynes Stellite Co, Div Union Carbide & Carbon Corp, 30 E 42 St, N Y 17
L Hemmerdinger & Co Inc, 424 E 123 St, N Y 35 Lehigh 4-1650
Hercules Powder Co, 500 5 Ave N Y 18 Pennsylvania 6-6268
C B Hewitt & Bros Inc, 25 Greene St, N Y 13 Canal 6-1525
Hexagon Labs Inc, 3536 Peartree Ave, Bronx 60, N Y Fairbanks 4-7550
Heyden Chem Corp, 393 7 Ave, N Y Pennsylvania 6-9000
N H Heyman Inc, 244 E 91 St, N Y 28 Atwater 9-0259
Higgins Ink Co Inc, 271 9 St, Bklyn 15 SO 8-8105
John W Higman Co, 24 State St, N Y 4
Hi-Test Chem Corp, 722-64 St, Bklyn 20 Terrace 6-5991
Hooker Electrochem Co, 60 E 42 St, N Y 13 Murray Hill 2-2500
J L Hopkins & Co, 477 Keap St, Bklyn 11 Stagg 2-3874
A C Horn Co Inc, 10 St & 44 Ave, L I C 1 Stillwell 6-1100
Arthur S Hoyt Co Inc, 175 5 Ave, N Y Algonquin 4-3195
Huber & Co, 100 Gold St, N Y 38 Cortlandt 7-7995
J M Huber Corp, 100 Park Ave, N Y 17 Murray Hill 6-1818
Chas L Huisking & Co Inc, 45 Clinton St, Bklyn 5 Ulster 8-5800
Hummel Chem Co, 90 West St, N Y 6 Rector 2-5178
Philip A Hunt Co, 253 Russell St, Bklyn 22
Hunt Chem Works Inc, 271 Russell St, Bklyn 22 Longacre 5-7654
D W Hutchinson & Co, 162-164 Front St, N Y 38 Whitehall 3-4774
Hyde & Bates Inc, 17 John St, N Y 38 Digby 9-2274
Independent Filter Press Co Inc, 240 48 St, Bklyn 20 Gedney 9-5774
Indium Corp of America, 60 E 42 St, N Y Murray Hill 2-8088
Industrial Raw Materials Corp, 575 Madison Ave, N Y 22 Murray Hill 8-8080
Industrial Sales Corp, 500 5 Ave, N Y 18 Longacre 3-3663
Ink & Chem Co Inc, 550 5 Ave, N Y 19 Plaza 7-6454
O G Innes Corp, 82 Wall St, N Y 5 Hanover 2-7450
Innis, Speiden & Co, 117 Liberty St, N Y 6 Cortlandt 7-5803
International Fisheries Corp, 120 Wall St, N Y 5 Digby 4-7333
International Ore & Fertilizer Corp, 500 5 Ave, N Y Bryant 9-6643
International Selling Corp, 70 Pine St, N Y 5 Whitehall 4-7490
Interocean Chem & Minerals Corp, 120 Broadway, N Y 5 Digby 9-9297
Interstate Color Co, 389 Washington St, N Y 13 Walker 5-0210
C E Ising Corp, 133-24 41 Ave, Flushing, N Y Flushing 9-3889
Jefferson Chem Co Inc, 711 5 Ave, N Y 22 Plaza 9-3900
Johns-Manville, 22 E 40 St, N Y 16 Lexington 2-7600
Kamen Soap Products Co, 233 Broadway, N Y 7 Cortlandt 7-5688
Kay-Fries Chem Inc, 180 Madison Ave, N Y 16 Murray Hill 6-0661
Keico Co, 31 Nassau St, N Y 5 Beekman 3-7367
Frederick D Keller & Son, 150 Nassau St, N Y 7 Beekman 3-4117
E H Kellogg & Co Inc, 93 Water St, N Y 5 Whitehall 4-3439
Kem Labs, 101 E 144 St, Bronx 51 Melrose 5-1441
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C F Kirk Co, 521 523 W 23 St, N Y 11 Chelsea 2-5230
Kleen-Glo Chem Corp, 303 5 Ave, N Y Murray Hill 4-4375
H Kohnstamm & Co Inc, 83 Park Pl, N Y 7 Barclay 7-9760
V & E Kohnstamm Inc, 329 Canal St, N Y 13 Walker 5-1504
Koppers Co Inc, 350 5 Ave, N Y Atlantic 1-6240
Koppers Co, Tar Products & Chem Div, 350 5 Ave, N Y 1 Longacre 4-1130
L Kruger & Co Inc, 75 West St, N Y Bowling Green 9-1984
Kuhne-Libby Co, 54 Front St, N Y 4 Bowling Green 9-5480
L & R Organic Products Co Inc, 50 White St, N Y 13 Canal 6-0606
Lack Chem Co Inc, 19 Park Pl, N Y 7 Cortlandt 7-5942
Lamex Chem Corp, 25 Broadway, N Y 4 Digby 4-4543
J Landau Co, 221 Wooster St, N Y 12 Algonquin 4-3343
Landers-Segal Color Co, 78 Delevan St, Bklyn 31 Main 5-1041
A P Larsen Co Inc, 29 Broadway, N Y 6 Digby 4-1310
Lautier Fils Inc, 321-5 Ave, N Y 16 Murray Hill 9-7980
Legion Chem Inc, 70 Wall St, N Y 5 Digby 4-7032
Legion Export & Import Co, 261 W 15 St, N Y 11 Chelsea 3-8182
Legrand Chem Corp, 103-50 St, Bklyn 32 Sterling 8-3166
Leon Associates, 141 Broadway, N Y 6 Barclay 7-3463
Boto Leopold, Woolworth Bldg, N Y 7
Lever Bros Co, 80 Varick St, N Y 13 Digby 9-3535
Levey Co Inc, 41 E 42 St, N Y Vanderbilt 6-2300
Lewis Co, 232 Canal St, N Y 13 Canal 6-7573
George H Lincks Inc, 312 Bridge St, Bklyn Main 4-6672
Linde Air Products Co, Div Union Carbide & Carbon Corp, 30 E 42 St, N Y 17
Philip J Lo Bue Co, 230 Park Ave, N Y 17 Murray Hill 9-0068
Geo Lueders & Co, 427 Washington St, N Y 13 Walker 5-4200
Lundt & Co, 24 State St, N Y 4 Bowling Green 9-5097
Julian W Lyon, 7 Dey St, N Y 7 Beekman 3-1168
Mackin Products Co Inc, 1775 Broadway, N Y 19 Columbus 5-5778
Madison Glue Corp, 200 W 34 St, N Y 1 Pennsylvania 6-6951
Magnus, Mabee & Reynard Inc, 16 Desbrosses St, N Y 13 Walker 5-1110
Magnuson Products Corp, 50 Court St, Bklyn 2 Main 5-0190
William E Maher, P O Box 28 Astoria Station 2, L I C Astoria 8-6044
Mallinckrodt Chem Works, 72 Gold St, N Y Worth 4-4900
N I Malmstrom & Co, 147 Lombardy St, Bklyn 22
Manahan Chem Co Inc, 57 N 5 St, Bklyn 1
J Manheimer, 214 E 21 St, N Y 19
Mann Fine-Chem Inc, 136 Liberty St, N Y 6 Beekman 3-5863
Manufacturers Chem Co, 527 5 Ave, N Y 17 Murray Hill 2-8850
Marblette Corp, 37-21 30 St, L I C 1 Stillwell 4-8100
Marcus-Ruth-Jerome Co, 311 Produce Exchange, N Y
Marks Chem Works, 20 W 22 St, N Y 10 Oregon 5-2790
Herbert Marmorek & Son, 2153 78 St, Bklyn 14, N Y CL 6-8080
L Martin Co Inc, 41 E 42 St, N Y 17 Vanderbilt 6-2300
William E Martin Co, 205 W 34 St, N Y 1 Lackawanna 4-1980
E Matchlett & Son, 222 E 23 St, N Y 10
Mathieson Hydrocarbon Chem Corp, 60 E 42 St, N Y 17 Murray Hill 2-5100
Maxim Chem Co, 44 Cliff St, N Y 7
Mayco Chem Co, 5 Union Sq W, N Y 3 Algonquin 5-8130
T F McAdam Inc, 125 Broad St, N Y 4 Bowling Green 9-8687
McKay Chem Co Inc, 880 Pacific St, Bklyn 17 ST 3-4340
McKesson & Robbins Inc, 155 E 44 St, N Y 17 Murray Hill 7-3600
Joseph A McNulty, 114 Liberty St, N Y Barclay 7-5757
Mearl Corp, 153 Waverly Pl, N Y 14 Watkins 4-8011
Meer Corp, 318 W 46 St, N Y 19 Judson 6-0900
Edward Mendell Co, 24 W 45 St, N Y 19 Murray Hill 7-2045
Mercantile Import & Export Corp, 21 E 40 St, N Y 16 Lexington 2-2445

New York City, continued

Merchants Chem Co Inc, 60 E 42 St, N Y 17 Murray Hill 2-8712
Merck & Co, 161 6 Ave, N Y Walker 5-0400
Merrimac Div, Monsanto Chem Co, 445 Park Ave, N Y 22 Plaza 9-8200
Metal & Thermit Corp, 100 E 42nd St, N Y 17 Murray Hill 6-5300
Metalloy Corp, 36 W 44 St, N Y 18
Metallurg Inc, 100 Park Ave, N Y 17 Murray Hill 6-3335
Metropolitan Chem Co, 17 W 60 St, N Y 23 Plaza 7-8172
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill VI 9-6176
M Michel & Co Inc, 90 Broad St, N Y 4 Digby 4-3878
Michigan Chem Corp, 230 Park Ave, N Y Murray Hill 3-5480
Millmaster Chem Corp, 420 Lexington Ave, N Y 17 Lexington 2-5959
Mineral Pigments Corp, 1261 Broadway, N Y 1 Oregon 9-3564
Mineralite Sales Corp, 90 Pine St, N Y 5 Whitehall 3-6571
Mitchell-Rand Mfg Co, 51 Murray St, N Y 7 Cortlandt 7-9264
Monroe Sander Corp, 10-18 46 Ave, L I C 1 Stillwell 4-4413
Monsanto Chem Co, Organic Chem Div, 445 Park Ave, N Y 22 Plaza 9-8200
Monsanto Chem Co, Phosphate Div, 445 Park Ave, N Y 22 Plaza 9-8200
Montaner & Co Inc, 116 Broad St, N Y 4 Bowling Green 9-2128
Moore & Munger, 33 Rector St, N Y 6 Whitehall 4-0714
Morningstar Nicol Inc, 630 W 51 St, N Y 19 Columbus 5-2860
Mutchler Chem Co Inc, 258 Broadway, N Y 7 Digby 9-4735
Mutual Chem Co of America, 270 Madison Ave, N Y 16 Murray Hill 5-9710
National Aniline Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6 Bowling Green 9-2240
National Carbide Co, 60 E 42 St, N Y Murray Hill 2-6700
National Carbon Co, Div Union Carbide & Carbon Corp, 30 E 42 St, N Y 17
National Milk Sugar Co, 350 Madison Ave, N Y 17 Vanderbilt 6-4100

New York City, continued

National Oil & Supply Co, 50 Church St, N Y Cortlandt 7-6440
National Rosin Oil Products Inc, 1270 Ave of the Americas, N Y 20 Circle 7-4473
Naugatuck Aromatics, 254 4 Ave, N Y 10 Gramercy 7-7822
Naugatuck Chem Div, 254 4 Ave, N Y Circle 7-5000
Nepera International Corp, 37 Wall St, N Y 5 Whitehall 3-2360
Wm D Neuberg Co Inc, 420 Lexington Ave, N Y 17 Oregon 9-2550
New England Quartz Co, 454 7 Ave, N Y 1 Lackawanna 4-4502
New Jersey Zinc Sales Co, 160 Front St, N Y 38 Whitehall 3-5700
New York & New Jersey Lubricant Co, 292 Madison Ave, N Y 17 Lexington 2-2851
New York Quinine & Chem Works Inc, 99 N 11 St, Bklyn 11 Evergreen 8-5600
Newport Industries Inc, 230 Park Ave, N Y 17 Murray Hill 6-7305
Niagara Alkali Co, 60 E 42 St, N Y 17 Murray Hill 2-8090
Nitrogen Products Inc, 450 7 Ave, N Y 1 Bryant 9-1045
Nopel Corp, 2 Broadway, N Y 4 Whitehall 4-5328
Norda Essential Oil & Chem Co Inc, 601 W 26 St, N Y 1 Watkins 4-7878
Nova Chem Corp, 153 Waverly Pl, N Y 14 Watkins 9-0860
Noville Essential Oil Co, 127 Water St, N Y 5 Hanover 2-0263
Nyanza Color & Chem Co Inc, 109 Worth St, N Y 13 Beekman 3-3245
Oakite Products Inc, 22 Thames St, N Y 6 Rector 2-6235
Oil & Chem Products Inc, 295 Madison Ave, N Y 17 Murray Hill 6-0785
Old Dutch Mustard Co Inc, 80 Metropolitan Ave, Bklyn 11 Evergreen 7-9155
Oldbury Electro Chem Co, 19 Rector St, N Y 6 Digbee 4-1668
Olson Sales Agency, 20 Broad St, N Y 5 Digby 4-0226
Oronite Chem Co, 30 Rockefeller Plaza, N Y Plaza 7-3260
C J Osborn Co, 132 Nassau St, N Y Beekman 3-3994
Edgar Ostrander Co, 220 5 Ave, N Y 1 Murray Hill 6-3798
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Pacific Coast Borax Co, 100 Park Ave, N Y 17 Lexington 2-5920
Chas Page & Co Inc, 50 E 42 St, N Y 17 Vanderbilt 6-0903
Paisley Products, 630 W 51 St, N Y 19 Columbus 5-2860
Paispearl Products Inc, 65 Nassau St, N Y 38 Cortlandt 7-6341
Pan American Refining Corp, 122 E 42 St, N Y 17 Lexington 2-4322
Herbert H Parker, 2 Broadway, N Y 4 Whitehall 4-7996
M W Parsons-Plymouth Inc, 59 Beekman St, N Y 38 Beekman 3-3162
F H Paul & Stein Bros Inc, 100 Gold St, N Y 38 Barclay 7-1731
S B Penick & Co, 50 Church St, N Y 7 Cortlandt 7-1970
Penick & Ford, 420 Lexington Ave, N Y 17 Lexington 2-8162
Penray Corp, 340 Canal St, N Y 13 Walker 5-7990
Perolin Co Inc, 10 E 40 St, N Y 16 Murray Hill 5-6940
Perry Bros Inc, 220 Flushing Ave, Bklyn 5 Ulster 5-2777
L D Peters & Sons Inc, 1133 Broadway, N Y 10
Petroleum By-Products & Chem Co, 15 Whitehall St, N Y 4 Bowling Green 9-4991
Petroleum Specialties Inc, 205 E 42 St, N Y 17 Oregon 9-2310
Petrolite Corp Ltd, 30 Broad St, N Y 4 Bowling Green 9-9088
Charles A Pfeiffenberger Phd, 104-40 194 St, Hollis, N Y Hollis 4-7938
Chas Pfizer & Co, 81 Maiden Lane, N Y
Chas Pfizer & Co Inc, 630 Flushing Ave, Bklyn 6 Evergreen 8-3800
Pharma Chem Corp, 175 5 Ave, N Y 10 Algonquin 4-0826
Phelps-Dodge Refining Corp, 40 Wall St, N Y 5 Whitehall 4-0560
Philipp Bros Chem Inc, 37 Wall St, N Y Hanover 2-4676
Phillips Petroleum Co, 80 Broadway, N Y 5 Digby 4-3480
Plasticemicals Co, 1 Beekman St, N Y 38 Worth 2-7757
Polak & Schwartz Inc, 667 Washington St, N Y 14 Watkins 4-5570
Polychemical Co, 494 Hunts Point Ave, N Y 59
Polymer Industries Inc, 284 Sheffield Ave, Bklyn 7, N Y Dickens 2-6110
Pope & Gray Inc, 95 Morton St, N Y 14 Watkins 4-9377
John Powell & Co, 1 Park Ave, N Y 16 Murray Hill 5-1770
Premier Peat Moss Corp, 535 5 Ave, N Y 17 Murray Hill 2-8586
Prentiss Drug & Chem Co Inc, 110 William St, N Y 38 Digby 9-0066
Prime Products Corp, 62 William St, N Y 5 Hanover 2-5715
Prior Chem Corp, 420 Lexington Ave, N Y 17 Lexington 2-9811
Products Trading Corp, 1775 Broadway, N Y 19 Plaza 7-4160
Protean Chem Corp, 150 Nassau St, N Y 38 Beekman 3-7574
Puerto Rico Alcohol Co, 370 7 Ave, N Y 1 Chickering 4-0635
Pure Carbonic Co, 60 E 42 St, N Y Murray Hill 2-6700
Quigley Co, 527 5 Ave, N Y 17 Murray Hill 2-8640
R & A Leather Finish Co Inc, 812 E 43 St, Bklyn 10 Ulster 9-2800
Randall Products Mfg Co, 100 N Moore St, N Y 13 Walker 5-1481
B Rauschkolb & Co, 225 W 34 St, N Y 1 Longacre 5-8189
Charles L Read & Co, 120 Greenwich St, N Y 6 Worth 4-1131
Red Star Chem Co Inc, 40-33 23 St, L I C 1 Ironsides 6-2950
Refractory & Insulation Corp, 120 Wall St, N Y Whitehall 3-5370
Reichard-Coulston Inc, 15 E 26 St, N Y 10 Murray Hill 5-2166
Reichhold Chem Inc, RCA Bldg, 30 Rockefeller Plaza, N Y 20 Plaza 7-0350
Reichhold Chem Inc, 105 Bedford Ave, Bklyn 11 Evergreen 8-4640
Reilly Tar & Chem Corp, 500 5 Ave, N Y 18 Pennsylvania 6-9027
Reinhart Chem Corp, 405 Lexington Ave, N Y 17 Murray Hill 5-0376
Republic Chem Corp, 94 Beekman St, N Y 38 Rector 2-9810
R F Revson Co, 243 W 17 St, N Y 11 Chelsea 2-5041
Reynolds Metals Co, 19 E 47 St, N Y 17 Eldorado 5-7700
Riches-Nelson Inc, 342 Madison Ave, N Y 17 Murray Hill 7-7267
Rimco Trading Corp, 3001 Netherland Ave, N Y 63 Kingsbridge 3-4620

New York City, continued

P Robertet Inc, 125 E 23 St, N Y 10 Oregon 3-7585
Robinson Bros Chem Inc, 255 Randolph St, Bklyn 6 Hyacinth 7-0043
Robinson, Wagner Co, 110 E 42 St, N Y 17 Murray Hill 3-1184
Rohm & Haas Co, 350 5 Ave, N Y 1 Longacre 3-4155
L L Rona & Co Inc, 40 Exchange Pl, N Y 5 Hanover 2-3810
Rosco Labs, 367 Hudson Ave, Bklyn 1 Main 5-3786
Rose Chem Co, 296 Pearl St, N Y 38 Rector 2-3095
Rosenthal-Bercow Co Inc, 25 E 26 St, N Y 10 Murray Hill 3-7500
Ross & Rowe Inc, 50 Broadway, N Y 4 Whitehall 3-7295
Roure DuPont, 366 Madison Ave, N Y 17 Vanderbilt 6-5830
Rubba Inc, 1015 E 173 St, N Y Kilpatrick 2-4661
Rubber Corp of America, 274 Ten Eyck St, Bklyn 6 Evergreen 6-7400
Rubberoid Co, 500 5 Ave, N Y 18 Longacre 5-5030
R C Ryland Inc, 161 Water St, N Y 38 Whitehall 3-1868
L A Salomon & Bro, 216 Pearl St, N Y 38 Whitehall 3-0817
Sandoz Chem Works Inc, 61 Van Dam St, N Y 13 Algonquin 5-1700
Sapon Labs, 543 Union St, Bklyn Ulster 5-7747
Sarabhai Agencies, 4611 Rockefeller Plaza, N Y 20 Plaza 7-8450
Wm H Scheel Inc, 38 Franklin St, Bklyn 22 Evergreen 9-3480
C J Schellings & Co Inc, 251 Pearl St, N Y 38 Beekman 3-0676
Schimmel & Co Inc, 601 W 26 St, N Y 1 Watkins 4-1393
Schmitz-Schoenewaldt-Turner Co, 30 Vesey St, N Y 7 Worth 4-0120
Schwarz Labs Inc, 202 E 44 St, N Y 17 Murray Hill 2-0007
Scientific & Chem Industries Co, 225 W 86 St, N Y 1 Longacre 3-2198
Edwin Seebach Co, 912-920 Broadway, N Y 10 Algonquin 4-7645
Semon Bache & Co, Greenwich & Morton Sts, N Y 14
Senefelder Co, 32-34 Greene St, N Y 13 Canal 6-3998
E M Sergeant Pulp & Chem Co Inc, 7 Dey St, N Y 7 Worth 2-4340
Shapiro & Novick, 60 Broad St, N Y 4 Bowling Green 9-1963
Sharples Chem, 350 5 Ave, N Y Bryant 9-3360
Shawinigan Products Corp, 350 5 Ave, N Y 1 Chickering 4-1243
Sheffield Farms Co Inc, Chemurgic Div, 524 W 57 St, N Y 19 Columbus 5-8400
H D Sheldon & Co, 104 5 Ave, N Y Watkins 4-6920
Shell Chem Corp, 500 5 Ave, N Y 18
Shell Oil Co, 50 W 50 St, N Y 20 Judson 6-5000
Shepard Chem Corp, 117 Liberty St, N Y 6 Worth 4-3950
Sherwin-Williams Co, 100 Park Ave, N Y 17 Lexington 2-5806
Thomas J Shields Co, 11 Water St, N Y 4 Bowling Green 9-3535
Shields Buying Service, 15 Moore St, N Y 4 Bowling Green 9-6592
John M H Shline Co, 342 Madison Ave, N Y 17 Murray Hill 2-6640
Siber Hegner & Co Inc, 183 Madison Ave, N Y 16 Oregon 9-0066
Siegel Chem Co Inc, 1 Hanson Pl, Bklyn 17, N Y Ulster 7-7400
Simmons Products Co Inc, 15 Moore St, N Y Whitehall 4-8700
Sinclair Refining Corp, 600 Fifth Ave, N Y Circle 6-3600
Sindar Corp, 330 W 2 St, N Y 18 Longacre 4-8750
Bernard Sirotta Co, 620 Smith St, Bklyn 31 Triangle 5-3897
Slater-Robbins Co Inc, 28-44 Borden Ave, L I C Stillwell 4-2760
Smith Chem & Color Co Inc, 55 John St, Bklyn 1 Main 5-0567
Smith Crude Drug & Spice Corp, 101 Beekman St, N Y Cortlandt 7-4946
George F Smith Inc, 60 E 42 St, N Y 17 Murray Hill 7-5651
J Lee Smith & Co Inc, 25 Ann St, N Y 38 Beekman 3-0457
Smith & Nichols Inc, 121 Maiden Lane, N Y 38 Whitehall 3-5026
Solvay Sales Div, 40 Rector St, N Y 6 Bowling Green 9-2800
E Sonnenschein & Co Inc, 276 5 Ave, N Y 1 Murray Hill 4-0848
Harold A Sothern, 230 Park Ave, N Y 17 Murray Hill 6-8555
Southern Cotton Oil Co, 25 Broad St, N Y 4 Bowling Green 9-4190
Southern Dyestuff Corp, 521 5 Ave, N Y 17 Murray Hill 7-0388
Southern Textile Chem Corp, 1407 Broadway, N Y 18 Longacre 4-6000
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Standard Gilue Co, 338 Pearl St, N Y 38 Walker 2-5430
Stauffer Chem Co, 420 Lexington Ave, N Y 17 Oregon 9-0200
F W Steadman Co Inc, 59 Pearl St, N Y 4 Digby 4-4850
Ben P Steele Co, 342 Madison Ave, N Y 17 Murray Hill 7-0130
D Steengrafe & Co Inc, 24 State St, N Y 4 Bowling Green 9-2846
Stein, Hall & Co Inc, 285 Madison Ave, N Y 17 Murray Hill 9-0800
Sterone Corp, 250 W 57 St, N Y 19 Circle 6-2368
Sterwin Chem Inc, 1450 Broadway, N Y 18 Lackawanna 4-6400
William M Stieh & Co, 20 Vesey St, N Y 7 Worth 4-4265
Stiktotln Co, 20 W 22 St, N Y 10 Oregon 5-2790
Alfred F Stumpf Co Inc, 140 Malden Lane, N Y 7 Bowling Green 9-8663
Sumner Chem Co Inc, 5 E 45 St, N Y 17 Murray Hill 2-7970
Henry Sundheimer Co, 103 Park Ave, N Y 17 Murray Hill 5-4214
Szenkovits Corp, Chrysler Bldg, N Y 17 Murray Hill 5-1080
I D Talve Trading Co, 305 Broadway, N Y Worth 4-5311
Tar Residuals Inc, 420 Lexington Ave, N Y 17 Lexington 2-9414
F H Taussig Chem, 175 W 76 St, N Y 23 Trafalgar 4-1381
Tennessee Eastman Co, 10 E 40 St, N Y Murray Hill 3-5957
Tennessee Products & Chem Corp, 350 5 Ave, N Y Terra Chem Inc, 801 2 Ave, N Y 17 Murray Hill 9-7566
Texas Gulf Sulphur Co Inc, 75 E 45 St, N Y 17
Thermatomic Carbon Co, 17 E 42 St, N Y 17 Vanderbilt 6-1600
Thompson, Weinman & Co, 52 Vanderbilt Ave, N Y 17 Murray Hill 3-6008
Tilbury Refining Corp, 21-29 Dunham Pl, Bklyn 11 Evergreen 8-6455
Timeproof Paint Products Inc, 40 Richard St, Bklyn 31
Titanium Pigment Corp, 111 Broadway, N Y 6 Rector 2-9400
Hans Tobeason Inc, 33 Rector St, N Y 6 Whitehall 4-0535
Tombarel Products Corp, 12 E 22 St, N Y 10
Torre Products Co Inc, 52-54 Wooster St, N Y 13 Canal 6-7336

New York City, continued

Triangle Ink & Color Co Inc, 305 E 45 St, N Y 17 Murray Hill 5-0988
Tru-Synthetics Inc, 44-30 Purvis St, L I C 1 Stillwell 6-2540
Tuteur Bio-Chem Inc, 60 Wall St, N Y 5
Twin City Shellac Co Inc, 340 Flushing Ave, Bklyn 5 Ulster 5-0505
George Uhe Co Inc, 76 9 Ave, N Y 14
Uncle Sam Chem Co Inc, 575 W 131 St, N Y 27 Audubon 6-2510
Union Bag & Paper Corp, 233 Broadway, N Y 7 Rector 2-0255
United Carbon Co Inc, 2612 Empire State Bldg, N Y Pennsylvania 6-6338
United Chromium Inc, 100 E 42 St, N Y Murray Hill 6-5300
United Distillers of America Inc, 350 Fifth Ave, N Y 1 Lackawanna 4-3570
United Paste & Glue Corp, 40-42 Renwick St, N Y 13 Algonquin 5-0114
United States Industrial Chem Inc, 60 E 42 St, N Y
United States Industrial Chem Inc, 33 W 42 St, N Y 18 Murray Hill 2-6700
United States Smelting Refining & Mining Co Inc, 57 William St, N Y 5 Whitehall 3-7245
United States Steel Corp, 71 Broadway, N Y 6
United Sterling Corp, 37 E 28 St, N Y Murray Hill 9-2686
Van American Haebler Inc, 521 W 57 St, N Y 19 Circle 6-2700
Vanadium Corp of America, 20 Lexington Ave, N Y 17 Lexington 2-3580
R T Vanderbilt Co Inc, 230 Park Ave, N Y
Var-Lac-Oil Chem Co, 116 Broad St, N Y 4 Whitehall 4-0348
E J Verde & Co, 335 Produce Exchange, N Y 4 Bowling Green 9-5270
Victor Chem Works, 220 E 42 St, N Y 17 Murray Hill 2-8360
Virginia Smelting Co, 270 Madison Ave, N Y 16 Oregon 9-1131
Wah-Chang Corp, 233 Broadway, N Y 7 Cortlandt 7-0887
Wallerstein Co, 180 Madison Ave, N Y 16
Warwick Chem Co Div, 1010 44 Ave, L I C, N Y
Wasco Engrg Corp, 601 W 26 St, N Y 1 Watkins 4-5083
Washine-National Sands Inc, 37-02 Northern Blvd, L I C 1 Stillwell 4-0500
Water Service Labs, 423 W 126 St, N Y 27 Monument 2-1740
Wax Corp of America, 38-40 S 6 St, Bklyn 11 Evergreen 8-6455

New York City, continued

Robert I Webber Co, 52 Vanderbilt Ave, N Y 17 Murray Hill 6-4030
D J Weeks Co Inc, 16 Hudson St, N Y 13 Barclay 7-2091
Welch, Holme & Clark Co Inc, 439 West St, N Y 14 Chelsea 3-6048
West Virginia Pulp & Paper Co, 230 Park Ave, N Y 17 Murray Hill 7-8400
Westvaco Chem Div, 405 Lexington Ave, N Y 17 Murray Hill 9-4920
G A Wharry & Co Inc, 95 Broad St, N Y Whitehall 3-5760
L N White & Co Inc, 24 Stone St, N Y 4 Bowling Green 9-7363
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C K Williams & Co, 1 Nevins St, Bklyn 17 Ulster 5-6400
Wilmot & Cassidy Inc, 108 Provost St, Bklyn 22 Evergreen 9-3933
Wilson Carbon Co Inc, 60 E 42 St, N Y 17 Murray Hill 7-3021
Wilson Export & Import Corp, 35 Water St, N Y 4 Bowling Green 9-3570
W D Wilson Printing Ink Co, 5-38 46 Ave, L I C 1, Stillwell 4-8432
Winthrop-Stearns Inc, 1450 Broadway, N Y 18 Lackawanna 4-6400
Witco Chem Co, 295 Madison Ave, N Y 17 Murray Hill 5-6020
A J Wittenberg Corp, 29-29 41 Ave, L I C 1 ST 4-8178
Woburn Chem Corp, 75 Varick St, N Y Worth 2-5715
Wyandotte Chem Corp, 60 E 42 St, N Y 17
M R Ziegler Inc, 24 Stone St, N Y 4
Menki Zimmer Inc, Box 5 Fresh Meadows Sta, Flushing Flushing 8-3387
Zophar Mills Inc, 116 26 St, Bklyn 32 South 8-0907
Carborundum Co, Box 337, Niagara Falls 6631
Varcum Chem Corp, Packard & Pine, Niagara Falls 2-2357
Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls 6655
Riverside Chem Co Inc, 871 River Rd, N Tonawanda JA 1350
Eaton Labs Inc, 17 Eaton Ave, Norwich 4-3221
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Sheffield Farms Co Inc, Chemurgic Div, Box 630, Norwich 4-3281
Seeley & Co Inc, 1 Main St, Nyack 7-0435
Collett-Week-Nibecker Inc, Ft of Quimby St, Ossining 2-3440

Ozone Park See N Y City

Duso Chem Co Inc, Fulton St, Poughkeepsie 5318
Poughkeepsie Dyestuff Corp, 77 N Water St, Poughkeepsie 2857

Queens Village See N Y City

Elberta Chem Co Inc, Box 8, Ransomville, Wilson 3591

Rego Park See N Y City

E I Du Pont de Nemours & Co Inc, Grasselli Chem Dept, 34 Riverside Ave, Rensselaer Albany 5-1561

Richmond Hill See N Y City
Ridgewood See N Y City

Rochester

Distillation Products Industries Div, Eastman Kodak Co, Rochester 3 Glenwood 1877
Genessee Research Corp, 961 Lyell Ave, Rochester 6 Glenwood 4176
H & W Chem Inc, 182-200 Anderson Ave, Rochester 3 Monroe 8297
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Reilly Tar & Chem Corp, 42 Oak Ave, Tuckahoe 3-8600

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Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, Staten Island Gibraltar 7-8600
Magruder Color Co Inc, 2385 Richmond Terrace, Staten Island 2 Gibraltar 2-4140
Richmond Chem Corp, 1741 Richmond Terrace, Staten Island 10 Gibraltar 2-4291
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Colgate-Palmolive-Peet Co, Keith Bldg, Syracuse 3-0821
Solvay Sales Div, Milton Ave, Syracuse
Stein, Hall & Co, 2507 James St, Syracuse 2
Wyandotte Chem Corp, 506 Onondaga Co Bank Bldg, Syracuse 2
Exolon Co, Tonawanda Ludlow 4550
Reilly Tar & Chem Corp, 42 Oak Ave, Tuckahoe 3-8600
International Wax Refining Corp, E Hawthorne Ave & I R
Kay-Fries Chem Inc, W Haverstraw, Stoneypoint 6-2734
R, Valley Stream 5-1043

Whitestone See N Y City
Winfield See N Y City
Woodhaven See N Y City
Woodside See N Y City

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Taylor Chem Co, Box 337, Aberdeen 9281
Hamilton Labs Inc, 120 Patton Ave, Ashville 2-3621

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American Cyanamid Co, Industrial Chem Div, Wilkinson Blvd, Charlotte 1 3333
American Cyanamid Co, Plastics & Resins Div, Wilkinson Blvd, Charlotte 1 7721
Arnold, Hoffman & Co, 2130 N Tyron St, Charlotte 3333
Atlantic Refining Co, 1112 S Blvd, Charlotte 5-7336
Baker & Adamson Products, 818 Tuckaseegee Rd, Charlotte 1 5-3741
Carbide & Carbon Chem Co, Div Union Carbide & Carbon Corp 1407 Liberty Life Bldg, Charlotte 2 5-3741
Columbia-Southern Chem Corp, 407 Johnston Bldg, Charlotte 2 3-0175
Commercial Solvents Corp, 123 N Poplar St, Charlotte 2 3-0450
E I Du Pont de Nemours & Co Inc, Electrochem Dept, 427 W 4 St, Charlotte 2 2-7191
E I Du Pont de Nemours & Co Inc, Grasselli Chem Dept, 427 W 4 St, Charlotte 2 5-5561
E I Du Pont de Nemours & Co Inc, Organic Chem Div, 414 S Church St, Charlotte 5-5561
Geigy Co, 528 W 11 St, Charlotte 5035
General Dyestuff Corp, 2459 Wilkinson Blvd, Charlotte 1 3-4121
Mathieson Hydrocarbon Chem Corp, Liberty Life Bldg, Charlotte 2 3-1175
Monsanto Chem Co, Organic Chem Div, 1117 Johnston Bldg, Charlotte 2 2-3454
Monsanto Chem Co, Phosphate Div, 1117 Johnston Bldg, Charlotte 2 2-3454
Morningstar, Nicol Inc, 825 W Morehead St, Charlotte 6-3977
National Aniline Div, 201-203 W 1 St, Charlotte 3-9221
Naugatuck Chem Div, 611 W 5 St, Charlotte 5-7244
Paisley Products, 825 W Morehead St, Charlotte 6-3977
Reichhold Chem Inc, 807 Liberty Life Bldg, Charlotte 6-2496
F H Ross & Co, 1649 W Morehead St, Charlotte 1 3-6635
Solvay Sales Div, 212 S Tryson St, Charlotte 2
Stein, Hall & Co, 1620-22 W Morehead St, Charlotte 939
Westvaco Chem Div, Liberty Life Bldg, Charlotte 8-2837
Farmville Oil & Fertilizer Co, Farmville 340-1
Franklin Mineral Products Co, P O Box 28, Franklin
National Aniline Div, Jefferson Standard Bldg, Greensboro 2-2518
Virginia-Carolina Chem Corp, 728 Jefferson Standard Bldg, Greensboro 2-4161
Armour & Co, 103 Willowbrook St, High Point
Colloids Inc, 1716 Wark St, High Point 6773
Marlowe-Van Loan Corp, Box 1851, High Point 2357
Greer Drug Co Inc, Box 800, Lenoir 621
Standard Chem Products, Wallace Bldg, Salisbury 2707
Industrial Mining & Trading Co, Box 807 Waynesville 218
Virginia-Carolina Chem Corp, 809 Murchison Bldg, Wilmington 7717
Farmers Cotton Oil Co, Drawer 980, Wilson 2154

NORTH DAKOTA

Standard Oil Co, 521 10 St N, Fargo 5513

OHIO

Akron

Advance Solvents & Chem Corp, 714 Second National Bldg, Akron 8 Jefferson 3515
Akron Chem Co, 255 Fountain St, Akron Jefferson 2108
American Anode Inc, 60 Cherry St, Akron 8 Jefferson 9161
Binney & Smith Co, 424 Ohio Bldg, Akron 8 Jefferson 6154
E I Du Pont de Nemours & Co Inc, Organic Chem Dept, Rubber Chem Div, 40 E Buchtel Ave at High St, Akron 8 Hemlock 3161
Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16 Franklin 1411
C P Hall Co, 2510 First National Tower Bldg, Akron Jefferson 5175
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5 Stadium 0481

Ohio, continued

J A Kendall, 714 Second National Bldg, Akron 8 Jefferson 3515
Maurice A Knight, P O Box 111, Akron 6 Parkway 1277
Monsanto Chem Co, Organic Chem Div, 920 Brown St, Akron 11 Hemlock 6191
Monsanto Chem Co, Rubber Service Div, 920 Brown St, Akron 11 Hemlock 6191
Naugatuck Chem Div, 247 E Exchange St, Akron Blackstone 8919
Sharples Chem, 34 Cherry St, Akron Hemlock 3957
Stauffer Chem Co, 424 Ohio Bldg, Akron 8 Jefferson 6154
United Carbon Co Inc, 308 Akron Savings & Loan Bldg, Akron Franklin 4189
Witco Chem Co, 311 Evans Bldg, Akron Jefferson 2154
Damon Chem Co Inc, 527 E Cambridge St, Alliance 1-5319
Davison Chem Corp, Alliance 2297
Aluminum Flake Co, 965 Wooster Rd, Barberton Sherwood 1417
Ben Venue Labs Inc, 270 Northfield Ave, Bedford 2-3320
Ferro Chem Corp, Krick Rd, Bedford 2-4330
Franklin Oil & Gas Co, Bedford 2-3000
Celina Stearic Acid Co, 410 S Ash St, Celina 1203
General Biochem Inc, 7 Laboratory Park, Chagrin Falls 7-7393

Cincinnati

Aluminum Industries Inc, 2440 Beekman St, Cincinnati 25 Wabash 6000
American Cyanamid Co, Industrial Chem Div, First National Bank of Cincinnati Bldg, Cincinnati 2 Dunbar 2600
American Cyanamid Co, Plastics & Resins Div, First National Bank of Cincinnati Bldg, Cincinnati 2 Dunbar 2600
American Printing Ink Co, 1810 Campbell St, Cincinnati 10 Cherry 2173
Amsco Solvents & Chem Co, 4619 Reading Rd, Cincinnati 29 Melrose 1910
Arnold, Hoffman & Co, Harkness & Cowing Div, St Bernard, Cincinnati Avon 6554
E Berghausen Chem Co, 4538 W Mitchell Ave, Cincinnati 32 Kirby 5631
Carbide & Carbon Chem Co, Div Union Carbide & Carbon Corp, 920 E McMillan St, Cincinnati 6
Philip Carey Mfg Co, 408 Commercial Square, Cincinnati
Colgate-Palmolive-Peet Co, 2308-10 Carew Tower, Cincinnati Cherry 6665
Columbia-Southern Chem Corp, 3903 Carew Tower, Cincinnati Main 1065
Commercial Solvents Corp, 49 Central Ave, Cincinnati 2 Main 4254
Davidson Chem Corp, 4775 Paddock Rd, Cincinnati Redwood 3312
Dearborn Chem Co, 1101 Union Central Bldg, Cincinnati 2 1486
Diamond Alkali Co, 525 Walnut St, Cincinnati 2
Du Bois Co, 1120 Front St, Cincinnati 3 GA 5100
E I Du Pont de Nemours & Inc, Electrochem Dept, 2412 Carew Tower, Cincinnati 2 Parkway 5253
E I Du Pont de Nemours & Co Inc, Grasselli Chem Dept, 1804 Carew Tower, Cincinnati 2 Cherry 4570
Eagle- Picher Co, American Bldg, Cincinnati 1
Emery Industries Inc, 4300 Carew Tower, Cincinnati 2 Dunbar 5700
Florasynth Labs, 807 Peoples Bank Bldg, 406 Elm St, Cincinnati
Alex Fries & Bro Inc, 1403 Central Pkwy, Cincinnati Main 1163
Givaudan-Delawanna, 514 Main St, Cincinnati Parkway 8254
Givaudan Flavors, 514 Main St, Cincinnati Parkway 8254
Herbert Chem Co, Vine St & Murray Rd, Cincinnati 17 Woodburn 2180
Hercules Powder Co, 1803 Carew Tower, Cincinnati 2 Dunbar 6668
Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12 Elmhurst 1300
Innis, Speiden & Co, 2828 Carew Tower, Cincinnati Main 2810
H Kohnstamm & Co, 1314-16 Bates Ave, Cincinnati 25 Kirby 8844
Mallinckrodt Chem Works, Central Parkway & Walnut Sts, Cincinnati Dunbar 0400
Mathieson Hydrocarbon Chem Corp, Dixie Terminal Bldg, Cincinnati 2 Maine 1983
McKesson & Robbins Inc, 225 E 6 St, Cincinnati Parkway 3121
Merchants Chem Co, 2933 Spring Grove Ave, Cincinnati 2 Dunbar 4680
Merimac Div, Monsanto Chem Co, 1913 Carew Tower, Cincinnati 2 Dunbar 1414
Monsanto Chem Co, Organic Chem Div, 1517 Carew Tower, Cincinnati 2 Dunbar 1414
Monsanto Chem Co, Phosphate Div, 1917 Carew Tower, Cincinnati 2 Dunbar 1414
Newport Industries Inc, 30 E Central Pkwy, Cincinnati Cherry 4933
Oil-Kraft Inc, 3330 Beekman St, Cincinnati 23 Kirby 2225
Pennsylvania Salt Mfg Co, 2208 Carew Tower, Cincinnati 2
Polymer Chem Co, 5920 Carthage Ave, Cincinnati 2 Jefferson 3866

Cincinnati, continued

Ruebi Paint Co, 1008 Central Ave, Cincinnati Cherry 6049
Shepard Chem Co, 2803 Highland Ave, Cincinnati 12 Redwood 1110
Sherwin-Williams Co, 616 Main St, Cincinnati 2 Main 4204
Sindar Corp, 514 Main St, Cincinnati Parkway 8254
Solvay Sales Div, 3008 Carew Tower, Cincinnati 2
Stein, Hall & Co, 2906 Carew Towers, Cincinnati 2 Main 7183
United States Industrial Chem, 621 Evans St, Cincinnati 4 Wabash 0958
Vejin Inc, 944 W 5 St, Cincinnati 3 Cherry 7080
Virginia-Carolina Chem Corp, Murray Rd, St Bernard Sta, Cincinnati 17 Avon 1935
Westvaco Chem Div, Second National Bank Bldg, 9 & Main Sts, Cincinnati Main 5979
C H Williams & Co, 1312 American Bldg, Cincinnati 2 Main 2061
Wyandotte Chem Corp, 825 Dixie Terminal Bldg, Cincinnati 2
C L Zimmerman Co, N-204 Cincinnati Union Terminal, Cincinnati 3 Parkway 7517

Cleveland

American Cyanamid Co, Industrial Chem Div, 850 Leader Bldg, Cleveland 14 Main 1-8292
American Cyanamid Co, Plastics & Resins Div, 850 Leader Bldg, Cleveland 14 Main 1-8292
Ansbacher-Siegle Corp, 406 Bulkley Bldg, Cleveland
Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2 Woodbine 1-4690
Arco Co, 7301 Bessemer Ave, Cleveland 27 Michigan 1-1170
Armour & Co, 3704 Orange Ave, Cleveland 15 Endicott 1-1160
Baker & Adamson Products, 850 Euclid Ave, Cleveland 14 Cherry 0574
Braden Sutphin Ink Co, 3800 Chester Ave, Cleveland Utah 1-4141
Brush Beryllium Co, 4301 Perkins Ave, Cleveland Endicott 1-5401
Carbide & Carbon Chem Co, Div Union Carbide & Carbon Corp, 925 Euclid Ave, Cleveland 14
Ceilcote Co, 4832 Ridge Rd, Cleveland 9 Shadyside 1-4220
Colgate-Palmolive-Peet Co, 1215 Nat'l Broadcasting Bldg, Cleveland Main 3194
Columbia-Southern Chem Corp, 3849 Hamilton Ave, Cleveland 14 Utah 1-1700
Commercial Solvents Corp, 1220 W 9 St, Cleveland 13 Cherry 1-2693
Cowles Chem Co, 7016 Euclid Ave, Cleveland 3 HE 1-3400
Craftint Mfg Co, E 52 St at Collamer Ave, Cleveland 10 Glenville 1-1225
Dearborn Chem Co, 606 Williamson Bldg, Cleveland 14 Cherry 7385
Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14 Main 1-6100
Diamond Alkali Co, 633 Penton Bldg, Cleveland 13
Dow Chem Co, 2313 Terminal Tower Bldg, Cleveland Main 8742
Corning Corp, 2215 Terminal Tower, Cleveland 13 Tower 1-3282
J C Drouillard Co, Rockefeller Bldg, Cleveland 13 Main 1-8553
E I Du Pont de Nemours & Co Inc, Electrochem Dept, 1226 National City Bank Bldg, Cleveland 14 Cherry 1-6078
E I Du Pont de Nemours & Co Inc, Fabrics & Finishes Dept, 3133 Chester Ave, Cleveland
E I Du Pont de Nemours & Co Inc, Grasselli Chem Dept, 1321 National City Bank Bldg, Cleveland 14 Main 1-6460
E I Du Pont de Nemours & Co, Pigments Dept 1222 National City Bank Bldg, Cleveland
Electro Metallurgical Co, Union Commerce Bldg, Cleveland Main 1-6968
Excelsior Varnish Works Inc, 1219 W 74 St, Cleveland 2 Atlantic 1-8600
Farchan Research Labs, 609 E 127 St, Cleveland 8 GL 1-8749
Gerson Stewart Corp, Lisbon Rd, Cleveland 4 Cedar 1-2113
B F Goodrich Chem Co, 2060 E 9 St, Cleveland 15 Main 1-8812
Henry L Grund Inc, 406 Bulkley Bldg, Cleveland Cherry 1-7336
Harshaw Chem Co, 1945 E 97 St, Cleveland 6 Cedar 1-6300
Hercules Powder Co, 925 Euclid Ave, Cleveland 14 Superior 1-4335
J H Hinz Co, 405 Rockefeller Bldg, Cleveland 13 Cherry 1-0073
Hukill Chem Corp, 2533 Broadway, Cleveland 13 Cherry 1-7495
Philip A Hunt Co, 2432 Lakeside Ave, Cleveland 14
D G Innes Corp, 1505 Broadway, Cleveland Cherry 1-4587
Innis, Speiden & Co, 2775 Pittsburgh Ave, Cleveland Cherry 1-6345
Interlake Iron Corp, 1900 Union Commerce Bldg, Cleveland Cherry 1-0808
H Kohnstamm & Co, 1010 Woodland Ave, Cleveland 15 Cherry 4433

Cleveland, continued

Mallinckrodt Chem Works, Guild Hall Bldg, Cleveland Cherry 1-8448
Malone Oil Co, 2197 E 18 St, Cleveland 15
McKesson & Robbins Inc, 1382 W 9 St, Cleveland Main 1-9121
Merrimac Div, Monsanto Chem Co, 876 Union Commerce Bldg, Cleveland 15 Superior 3830
Metals Disintegrating Co, 1010 Euclid Ave, Cleveland Prospect 1-4092
Monsanto Chem Co, Organic Chem Div, 875 Union Commerce Bldg, Cleveland 14 Superior 1-3830
Monsanto Chem Co, Phosphate Div, 875 Union Commerce Bldg, Cleveland 14 Superior 1-3830
Morningstar, Nicol Inc, 7016 Euclid Ave, Cleveland Express 1-9070
Murphy's Oil Soap Co, 9505 Cassius Ave, Cleveland Diamond 1-2211
Naph-Sol Refining Co, 2560 W 3 St, Cleveland Main 1-4325
Ohio Chem & Surgical Equipment Co, 1176 Marquette St N E, Cleveland
Ohio Solvents & Chem Co, 3470 W 140 St, Cleveland 11 Clearwater 1-3770
Pacific Coast Borax Co, 5012 Euclid Ave, Cleveland 3
Paisley Products, 7016 Euclid Ave, Cleveland Express 1-9070
Palmer Supplies Co, 8905 Lake Ave, Cleveland 2 ME 1-8870
Pennsylvania Refining Co, 2686 Lisbon Rd, Cleveland Tyler 1-2400
Phoenix Oil Co, 9505 Cassius Ave, Cleveland Diamond 1-2211
Reichhold Chem Inc, 1901 Terminal Tower Bldg, Cleveland 13 Cherry 1-1110
Reilly Tar & Chem Corp, 20106 Kinsman Rd, Cleveland 22 Skyline 1-8484
Rohm & Haas Co, 702 United Office Bldg, Cleveland Tower 1-1838
Schibley & Ossmann Inc, 33 Public Square, Cleveland Main 1-5122
Sherwin-Williams Co, 101 Prospect Ave N W, Cleveland 1 Main 1-4200
Smead & Small Inc, 1630 Hanna Bldg, Cleveland 15, Ohio Cherry 1-7766
Solvay Sales Div, 926 Midland Bldg, Cleveland 15
State Mfg Co Inc, 3545 E 76 St, Cleveland
Switzer Bros Inc, 4732 St Clair Ave, Cleveland 3 Express 1-7070
Tennessee Eastman Co, Terminal Tower Bldg, Cleveland
United States Industrial Chem, Rockefeller Bldg, Cleveland 13 Cherry 0075-6
United States Steel Corp, 1509 Terminal Tower, Cleveland 13
Westvaco Chem Div, Terminal Tower, Cleveland Prospect 0172

Cleveland, continued

C K Williams & Co, Bulkley Bldg, 1501 Euclid Ave, Cleveland 15 Cherry 1-1244
Witco Chem Co, 616 St Clair Ave N E, Cleveland Cherry 0583
Wyandotte Chem Corp, 1102 Midland Bldg, Cleveland 15
Zeen Chem Co, 2000 Elm St, N W, Cleveland 13 Cherry 1-8174

Columbus

Davison Chem Corp, 918 Atlas Bldg, Columbus Adams 7239
Franklin Glue Co, 119 W Chestnut St, Columbus 15 Main 6527
Ironsides Co, Box 1999, Columbus Adams 2228
Reilly Tar & Chem Corp, 2366 Onandago Dr, Columbus 8 Kingswood 1833
Ruby Chem Co, 68-70 McDowell St, Columbus Main 3055
Frederick G Smith Chem Co, P O Box 1611, Columbus 16 AD 5343
Davies-Young Soap Co, 705 Albany St, Dayton 1 Michigan 6591
Industrial Chem Products Co, 422 E Beacon St, Dayton 2 HE 6391
Kay & Ess Co, P O Box 968, Dayton Fulton 2115
Rohm & Haas Co, 410 W 1 St, Dayton Adams 8513
Reilly Tar & Chem Corp, W Front St, Dover 4-293
Euclid Chem Co, 1534 Hayden Ave, E Cleveland 12 LI 1-6100
Mason Color & Chem Works Inc, 206 Broadway, E Liverpool 4
United Clay Mines Corp, 505 Maple St, E Liverpool Main 148
R B H Dispersions, Elyria Savings & Trust Bldg, Elyria
Gibsonburg Lime Products Co, Gibsonburg
Ironton Fire Brick Co, Box 124, Ironton 109
Eastern Clay Products Inc, Jackson 307
Reilly Tar & Chem Corp, P O Box 26, Lima 3-8991
Starr Mfg & Chem Co, 607 S Shawnee St, Lima 5-2001
Tennessee Corp, Lockland Princeton 7653
Central Boya Co, Marion
Federal Color Labs Inc, 4633 Forest Ave, Norwood 12 Melrose 3587
Carlisle Chem Works Inc, West St, Reading 15 Valley 3660

Toledo

Maumee Development Co, 1852 N Westwood, Toledo, Ohio

Toledo, continued

Morningstar, Nichol Inc, Paper Merchants Div, 607 Michigan St, Toledo Main 2104
Ottawa Chem Co, 849-823 Hamilton St, Toledo 7 Emerson 1110
Paisley Products, Paper Merchants Div, 607 Michigan St, Toledo Main 2104
Rex Research Corp, 600 Montrose Ave, Toledo 7 Jordan 4633
Stabelan Chem Co Inc, P O Box 665, Toledo 1 Main 4295
Toledo Paint & Chem Co, 33 Blucher St, Toledo 1 Garfield 3726
Reilly Tar & Chem Corp, 233 W Water St, Urbana 2281
W A Hammond Drierite Co, 120 Dayton Ave, Xenia Main 178

OKLAHOMA

Cities Service Oil Co, Masonic-Empire Bldg, Bartlesville 909
National Zinc Co Inc, P O Box 579, Bartlesville L D 16-1072
Phillips Chem Co, Bartlesville 6600
Phillips Petroleum Co, Market Development Div, Bartlesville 6600
Thompson-Hayward Chem Co, 828 N W 2 St, Oklahoma City 2 3-6383
Atlas Powder Co, W A St, Picher 702

Tulsa

American Cyanamid Co, Industrial Chem Div, 310 Thompson Bldg, Tulsa 3 2-2030
American Cyanamid Co, Plastics & Resins Div, 310 Thompson Bldg, Tulsa 3 2-2030
Bareco Oil Co, P O Box 2009, Tulsa 3-5174
Dearborn Chem Co, 208 Midco Bldg, Tulsa 3 4-4878
E I Du Pont de Nemours & Co Inc, Organic Chem Dept, 1811 S Baltimore Ave, Tulsa
E I Du Pont de Nemours & Co Inc, Organic Chem Dept, Petroleum Chem Div, 1811 S Baltimore Ave, Tulsa 14
Ozark-Mahoning Co, P O Box 449, Tulsa 1 3-0128
Thompson-Hayward Chem Co, 36 N Guthrie, Tulsa 4-6169
Vaughn Chem Co, 1102 E 3 St, Tulsa 3 2-8211

OREGON

Portland

Alrose Chem Co, 1416 N W Hoyt St, Portland Broadway 4167
Atlas Powder Co, 833 Pacific Bldg, 520 S W Yamhill, Portland 4 Beacon 2845
Chapman Chem Co, 528 Terminal Sales Bldg, Portland
Commercial Solvents Corp, Van Waters & Rogers, 3950 N W Yeon Ave, Portland 10 Capital 1721
Geigy Co, 1416 N W Hout St, Portland Broadway 4167
General Dyestuff Corp, 1007 Terminal Sales Bldg, Portland 5 Beacon 7364
McKesson & Robbins Inc, 630 N W 14 Ave, Portland Broadway 7671
Merrimac Div, Monsanto Chem Co, 421 S W 6 Ave, Portland Beacon 6704
Miller Products Co, Ft of S W Caruthers St, Portland 1 Atwater 7608
Monsanto Chem Co, Organic Chem Div, 421 S W 6 Ave, Portland Broadway 2549
Monsanto Chem Co, Phosphate Div, 421 S W 6 Ave, Portland Broadway 2549
Monsanto Chem Co, Western Div, 421 S W 6 Ave, Portland Broadway 2549
National Aniline Div, 730 W Burnside St, Portland 9 Beacon 1853
Pennsylvania Salt Mfg Co of Wash, 6450 N W Front St, Portland 8
Portland Gas & Coke Co, Public Service Bldg, Portland 4 Broadway 7611
Rohm & Hass Co, American Bank Bldg, Portland Atwater 5660
Stauffer Chem Co, P O Box 68, N Portland University 3675
Tennessee Eastman Co, 520 S W 6 Ave, Portland
Western Chem Inc, Ft S W Gibbs St, Portland Broadway 0579
Zehrung Chem Co, 2201 N W 20 Ave, Portland 9

PENNSYLVANIA

Alex C Fergusson Co, 3 & Union Sts, Allentown 7780
Trojan Powder Co, 17 N 7 St, Allentown 4-5201
Western Chem Co Inc, Box 703 Altoona 2-2698
American Chem Paint Co, Ambler 1700
Rare Metal Products Co, Atglen 81
Bethlehem Steel Co, 701 E 3 St, Bethlehem 7-2424
Prince Mfg Co, Lehigh St, Bowmanstown Palmerton 3172
Kendall Refining Co, 77 N Kendall Ave, Bradford 6111
Stanton Labs Inc, Bath Rd, Bristol 5516
Pennsylvania Refining Co, Butler 2781
Central Soya Co, Camp Hill
Pennsylvania Industrial Chem Corp, 120 State St, Clairton 3-8600
Coplay Cement Mfg So, Coplay Northampton 671
Reilly-Whiteman-Walton Co, P O Box 188, Conshohocken 6-0470

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Pennsylvania, continued

Cornwell Chem Corp, Cornwell Heights Cornwell 0302
Pennsylvania Color & Chem Co, Pine Run Rd, Doylestown 9448
C K Williams & Co, 640 N 13 St, Easton 8261
National Powder Co, Eldred 60
Electro Chem Engrg & Mfg Co, 752 Broad St, Emmaus 770
Electro Chem Supply & Engrg Co, 750 Broad St, Emmaus 770
Rola Extract Co, 341 E 3 St, Erie 24-729
Freedom-Valvoline Oil Co, 309 6 Ave, Freedom
George E Howard, Riverview Manor, Harrisburg, 4-3034
G A Wharry & Co, 1230 Steel Rd, Havertown Hilltop 6-0171
Armstrong Cork Co, Liberty & Mary Sts, Lancaster 5151
Knoedler Chem Co, 651 High St, Lancaster 8816
Perkins Glue Co, Lansdale 6851
Bates Chem Co, Scottdale Rd, Lansdowne Madison 3-0970
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport 4-4278
Atlas Mineral Products Co, Mertztown, Topton 37
Whitmoyer Labs, Inc, 19 N Railroad St, Myerstown 181
Sterling Borax Co, P O Box 317, New Brighton 1290
Quaker State Oil Refining Corp, Quaker State Bldg, Oil City 6-1281

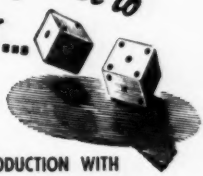
Philadelphia

A Adler & Son, 1041 Front St, Phila 23, Nebraska 4-1924
Amalgamated Chem Corp, Borer & Ontario Sts, Phila 34 Garfield 3-9200
American Cyanamid Co, Industrial Chem Div, 401 N Broad St, Phila 8, Lombard 3-6422
American Cyanamid Co, Plastics & Resins Div, 401 N Broad St, Phila 8 Lombard 3-6422
American Dyewood Co, 33 & Arch Sts, Phila Evergreen 2-4955
W R E Andrews Sales Inc, 1505 Race St, Phila Rittenhouse 6-3875
Ansul Chem Co, Lincoln Liberty Bldg, Broad & Chestnut, Phila 7 Ritenhouse 6-0506
Arabol Mfg Co, 600 S Delaware Ave, Phila 47 Lombard 3-5505
Archer-Daniels-Midland Co, 2040 Phila Saving Fund Bldg, Phila 7 Walnut 2-2349
Armour & Co, Delaware Ave & Spring Garden St, Phila 23 Market 7-2724
Atlantic Refining Co, 260 S Broad St, Phila Pennypacker 5-2345
Atlas Adhesives, Leverington Ave & Flat Rock Rd, Phila Ivy Ridge 2-5600
Attapulgus Clay Co, 210 W Washington Sq, Phila Walnut 2-5720
Avoset Co, 1530 Spring Garden St, Phila 1 Locust 4-2400
J T Baker Chem Co, 12 S 12 St, Phila 7 Walnut 2-1202
Baker & Adamson Products, 12 S 12 St, Phila 7 Walnut 2-1234
Baker Industrial Oils Co, 872 Drexel Bldg, Phila 6 Walnut 2-1339
Benzol Products Co, 328 Chestnut St, Phila 6
Binney & Smith Co, 676 Drexel Bldg, Phila 6 Lombard 3-2745
F L Bodman Inc, 328 Chestnut St, Phila 6 Lombard 3-1071
Boler Petroleum Co, 121 S Broad St, Phila 7 Kingsley 5-1323
Botfield Refractories Co, Swanson & Clymer Sts, Howard 5-2626
Henry Bower Chem Mfg Co, Gray's Ferry Rd & 29 St Phila 46 Howard 5-2100
Bram Chem Co, 820 65 Ave, Phila 26 WA 4-2121
Carbide & Carbon Chem Co, Div Union Carbide & Carbon Corp, 12 S 12 St, Phila 7
Chemical Advance Corp, 1345 Arch St, Phila Rittenhouse 6-1730
W B Coleman & Co, 9 & Rising Sun Ave, Phila 40 Sagamore 2-7715
Colgate-Palmolive-Peet Co, Hardt Bldg, Phila Freemount 2000
Columbia-Southern Chem Corp, 1410 Packard Bldg, Phila 2 Locust 4-1170
Commercial Solvents Corp, 1345 Broad St Sta, Phila 3 Rittenhouse 6-5931
T G Cooper & Co Inc, 2400 E Venango St, Phila 34 Cumberland 8-3274
Crystal Soap & Chem Co Inc, 6308 State Rd, Phila 35 Mayfair 4-1922
Curley Co Inc, 1432 N Randolph St, Phila 22
Dearborn Chem Co, Commercial Trust Bldg, Phila 2 Locust 7-1261
Diamond Alkali Co, 12 S 12 St Phila 7
Dickerson Co, Drexel Bldg, Phila 6 Lombard 3-2123
Dow Chem Co, 17400 S Penn St, Phila Rittenhouse 2280
E F Drew & Co, 11 N Juniper St, Phila 7 Locust 7-5448
Drug Labs, 408 N 3 St, Phila 23 Lombard 3-6543

Philadelphia, continued

E I Du Pont de Nemours & Co Inc, 117 S 17 St Phila 3 Rittenhouse 6-2080
E I Du Pont de Nemours & Co Inc, Electrochem Dept, 1616 Walnut St, Phila 3 Kingsley 5-1900
E I Du Pont de Nemours & Co Inc, Fabrics & Finishes Dept, 1616 Walnut St, Phila 3
E I Du Pont de Nemours & Co Inc, Film Dept, 1616 Walnut St, Phila 3
E I Du Pont de Nemours & Co Inc, Grasselli Chem Dept, Broad St Sta, Phila 3 Rittenhouse 6-1251
E I Du Pont de Nemours & Co Inc, Organic Chem Div, 1616 Walnut St, Phila 3
Emery Industries, 401 N Broad St, Phila 8
Mitchell Feis, 274 E Ashmead St, Box 4270, Phila 44 GL 5-2140
Feis & Co, 73 & Woodland Ave, Phila 42 Saratoga 7-7700
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48 Howard 5-5020
Foote Mineral Co Inc, Chelten Bldg, Phila Victor 4-9214
Benjamin Foster Co, 4635 W Girard Ave, Phila 31 Greenwood 3-5310
Foster Finishing Products Co, Hope St & Montgomery Ave, Phila RE 9-5225
Geigy Co, 3901 M St, Phila Cumberland 8-0365
General Dyestuff Corp, 123 S 2 St, Phila 6 Market 0361
Givaudan Flavors, 18 W Chelten Ave, Phila Victor 8-2881
Givaudan-Delawanna, 18 W Chelten Ave, Phila Victor 8-2881
Glyco Products Co, 1527 W Chew St, Phila Rittenhouse 6-2200
Haas-Miler Corp, 4 & Bristol Sts, 40 Davenport 4-4000
Hachik Bleach Co, 50 & Wynnefield Ave, Phila GR 3-6710
T B Hagstoz & Son, 709 Sansom St, Phila 6 Walnut 2-1628
Hartman-Leddon Co Inc, 5819-21 Market St, Phila 39 Granite 6-0664
Heyden Chem Corp, 1700 Walnut St, Phila Pennypacker 5-1511
E F Houghton & Co, 303 W Lehigh Ave, Phila 33 Regent 9-7100
Imperial Products Co, 1600 Fountain St, Phila ST 4-8818
Impervious Paint & Varnish Co, 1672 Kinsey St, Phila 24 Jefferson 3-7575
Industrial Oil Products Corp, Margaret & Pearce Sts, Phila 37 Jefferson 5-1102
Innis, Speiden & Co, 401 N Broad St, Phila Walnut 2-3198
Samuel D Keim, Liberty Trust Bldg, Phila 7 Rittenhouse 6-8113
Kentucky Color & Chem Co Inc, 1421 Chestnut St, Phila Jefferson 5-1102
Kessler Chem Co Inc, State Rd & Cottman Ave, Phila 35 Devonshire 8-0800
Keystone Emery Mills, 1660 Church St, Phila 24 JE 5-6600
Keystone Lubricating Co, 21 Clearfield & Lippincott Sts, Phila 32 RA 5-7473
Koppers Co, Chem Div, 887 Broad St Sta Bldg, Phila 3 Locust 4-1110
Koppers Co, Tar Products Div, Broad St Sta Bldg, Phila 3 Locust 4-1868
Lannett Co Inc, Frankford Ave & Allen St, Phila 25 Nebraska 4-8886
Laurel Soap Mfg Co, Tioga & Thompson St, Phila 34 Regent 9-4422
La Wall & Harrisson, 1921 Walnut St, Phila 3 Rittenhouse 6-4322
Leatex Chem Co, 2722 N Hancock St, Phila 33 Regent 9-6324
Mallinckrodt Chem Works, 311 N 3 St, Phila Market 7-0235
Mathieson Hydrocarbon Chem Corp, Widener Bldg, Phila 7 Rittenhouse 6-2610
Merchants Products Corp, Margaret & Pearce Sts, Phila 37 Jefferson 5-1102
Merck & Co, 1649 N Broad St, Phila Poplar 4525
Metallurgical Products Co, 35 & Moore Sts, Phila 45 Dewey 4-1232
Meves & Gregg, 110 N Front St, Phila 6 Market 7-4947
J Meyer & Sons, 4321 N 4 St, Phila 40 Michigan 4-3460
Mifflin Chem Co, Delaware Ave & Mifflin St, Phila 48 FU 9-6592
Monsanto Chem Co, Organic Chem Div, 723 Widener Bldg, Phila 7 Locust 4-0247
Monsanto Chem Co, Phosphate Div, 723 Widener Bldg, Phila 7 Locust 4-0247
Montgomery Bros Inc, Penrose & Packer Ave, Phila Dewey 4-0418
Morningstar, Nicol Inc, Harrison Bldg, 15 & Market, Phila Locust 4-1914
National Aniline Div, 200 S Front St, Phila 6 Lombard 9-6382
Naugatuck Chem Div, 5 & Locust Sts, Phila Lombard 3-7445
L W Neal, 1711 Manning St, Phila 3
Neatsfoot Oil Refineries Corp, E Ontario & Bath Sts Phila 34 Regent 9-1291
Newport Industries Inc, 1604 Fox Bldg, Phila Rittenhouse 6-1659
F G Okie Inc, 5916 State Rd, Phila 24 Jefferson 3-8850
Paisley Products, Harrison Bldg, 15 & Market, Phila Locust 4-1914
Pennsylvania Detergents Co, 2238 N Philip St, Phila 33 GA 6-1647
Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7

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Philadelphia, continued

Philadelphia Quartz Co, 1168 Public Ledger Bldg, Phila 6 Market 7-7200
Phillips & Jacobs, 620-22 Race St, Phila Walnut 2-3655
Pioneer Salt Co, 940 N Delaware Ave, Phila Market 7-1200
Publicker Industries Inc, 1429 Walnut St, Phila Locust 4-1400
Reeve & Mitchell Co, 300 Spruce St, Phila 6
Reichhold Chem Inc, 128 Walnut Park Plaza, 63 & Walnut Sts, Phila 39 Granite 4-7893
Reilly Tar & Chem Corp, 931 N 65 St, Phila 31 Trinity 8982
G Whitfield Richards, 1732 Carlton St, Phila 3 Locust 7-7453
Rohm & Haas Co, Washington Sq, Phila 5 Lombard 3-9860
Scholler Bros Inc, Collins & Westmoreland Sts, Phila 34
Schuylkill Chem Co, 2354 Sedgley Ave, Phila Baldwin 9-4822
Scriptex Products Co Inc, 513 S 2 St, Phila Lombard 3-4074
George Senn Inc, 2200 E Westmoreland St, Phila 34 Regent 9-9321
Sharples Chem Inc, 123 S Broad St, Phila 9 KI 5-2802
Sharples-Continental Corp, 123 S Broad St, Phila 9
Sherwin-Williams Co, 325 N Broad St, Phila 7 Market 7-3300
Sindar Corp, 18 W Chelten Ave, Phila Victor 8-2881
Smith, Kline & French Labs, Phila 1 Locust 4-2400
Jno C F Snyder & Sons Inc, 2304 N 28 St, Phila Baldwin 9-3331
Solvay Sales Div, 12 S 12 St, Phila 7
Standard Chem Co, 217 New St, Phila Lombard 3-7092
Stein, Hall & Co, 1617 Pennsylvania Blvd, Phila 3 Locust 7-7140
Stevenson Bros & Co, 110 Race St, Phila 6 Market 7-0760
A J Stull & Co, 5816 Tacony St, Phila 24 Delaware 6-8252
Superior Zinc Co, 121 N Broad St, Phila 7 Locust 7-3753
Frederic H Timberlake, Drexel Bldg, Phila Lombard 3-5733
Ticna Petroleum Co, 501 Broad St, Phila 2 Rittenhouse 6-4120
United States Industrial Chem, 123 S Broad St, Phila 9 Pennypacker 5-5542
Virginia Smelting Co, 4613 Torresdale Ave, Phila Cumberland 8-8181
Charles A Wagner Co Inc, 813 Callowhill St, Phila 23 Market 7-2670
Warner Co, 219 N Broad St, Phila 7 Rittenhouse 6-3900
Joseph Weinstein, 4743 Walnut St, Phila Allegheny 4-1657

Philadelphia, continued

C K Williams & Co, Wilford Bldg, 33 & Arch Sts, Phila 4 Evergreen 2-2650
Wiz Products Co, 4027 N 5 St, Phila 40 Sagmore 2-6050
H M Wocher & Son Co, 1223 N 26 St, Phila Poplar 5-4649
Woodward & Dickerson Inc, 1400 S Penn Sq, Phila Locust 4-3688
Wyandotte Chem Corp, 606 Liberty Trust Bldg, Phila 7
Yarnall Paint Co, Grays Ave W of 54 St, Phila 43 Saratoga 9-0150

Pittsburgh

J C Ackerman Co, Penn-Lincoln Hotel, Pittsburgh 21 Churchill 1-0202
Aluminum Co of America, 670 Dept 16, Gulf Bldg, Pittsburgh 19
American Cyanamid Co, Industrial Chem Div, 2527 Oliver Bldg, Pittsburgh 22 Grant 1-2656
American Cyanamid Co, Plastics & Resins Div, 2537 Oliver Bldg, Pittsburgh 2 Grant 1-2656
Atlantic Refining Co, Chamber of Commerce Bldg, Pittsburgh Atlantic 1-8300
Atlas Powder Co, 1544 Oliver Bldg, Pittsburgh 22 Atlantic 1-2684
Atomic Basic Chem Corp, Hays P O Box 373, Pittsburgh Willard 1-8250
Baker & Adamson Products, 439 7 Ave, Pittsburgh 19 Atlantic 3270
S H Bell Co, 1514 Oliver Bldg, Pittsburgh 22 Grant 1-4567
Carbide & Carbon Chem Co, Div Union Carbide & Carbon Corp, 311 Ross St, Pittsburgh 19
Colgate-Palmolive-Peet Co, Clark Bldg, Pittsburgh Court 6936
Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh MA 1-2960
Dacar Chem Products Co, Dacar Bldg, Pittsburgh
Dearborn Chem Co, 1512 Farmers Bank Bldg, Pittsburgh 22 Atlantic 1-0399
Diamond Alkali Co, 2527 Oliver Bldg, Pittsburgh 22
E I Du Pont de Nemours & Co Inc, Electrochem Dept, 517 Park Bldg, Pittsburgh 22 Grant 1-2960
E I Du Pont de Nemours & Co Inc, Explosives Dept, Gulf Bldg, Grant St & 7 Ave, Pittsburgh
E I Du Pont de Nemours & Co Inc, Grasselli Chem Dept, 514 Park Bldg, Pittsburgh 22 Grant 1-5427
Electro Metallurgical Co, Oliver Bldg, Pittsburgh 22 Grant 1-1161
Glyco Products Co, 365 Orchard Dr, Mt Lebanon, Pittsburgh Locust 1-0255
Gulf Refining Co, 722 Gulf Bldg, Pittsburgh 30 Express 1-2400

Pittsburgh, continued

Industrial Lining Engrs Inc, 35 & Smallman Sts, Pittsburgh Schenley 1-7791
J & L Steel Barrel Co, 311 Rose St, Pittsburgh 30
Jones & Loughlin Steel Co, 3 Ave & Roff St, Pittsburgh 3
Koppers Co, Tar Products & Chem Div, 403 Chamber of Commerce Bldg, Pittsburgh 19 At 1-6240
J S McCormick Co, 25 & A V R R, Pittsburgh 22
McKesson & Robbins Inc, 445 Water St, Pittsburgh Court 1-6363
Morningstar, Nicol Inc, 415 Geisler Dr, Pittsburgh Churchill 1-5018
Neville Co, 190 Neville Island, Pittsburgh 25 Federal 1-4200
Orefraction Inc, 7425 Thomas St, Pittsburgh Penhurst 1-3200
Paisley Products, 415 Geisler Dr, Pittsburgh Churchill 1-5018
Pennsylvania-Falk Chem Co, P O Box 1075, Pittsburgh 30 Walnut 1-7000
Pennsylvania Salt Mfg Co, 582 Union Trust Bldg, Pittsburgh 19
Pittsburgh Coke & Chem Co, 1905 Grant Bldg, Pittsburgh 30 Grant 1-2290
Pittsburgh Plate Glass Co, 2000 Grant Bldg, Pittsburgh
Pruett-Schaeffer Chem Co, Head of Tabor St, Pittsburgh 4 Spalding 1-2000
Reichhold Chem Inc, Henry W Oliver Bldg, Pittsburgh 22 Grant 1-6645
Rodgers Chem Co Inc, 237 4 Ave, Pittsburgh Grant 1-9226
Sauereisen Cements Co, Sauereisen Blvd, Sharpsburg, Pittsburgh Sterling 1-2323
Schaffer-Moss Chem Corp, 1222 Shore Ave, Pittsburgh 33 Cedar 1-8288
Solvay Sales Div, 1107 Gulf Bldg, Pittsburgh 19
United States Industrial Chem, 400 Liberty Ave, Pittsburgh 22 Atlantic 2777
United States Steel Corp, Coal Chem Sales Div, 525 Wm Penn Pl, Pittsburgh 30
Vitro Mfg Co, 60 Greenway Dr & Corliss Sta, Pittsburgh Federal 1-3550
Watson-Standard, 225 Galveston Ave, Pittsburgh 12 Cedar 1-8100
Wyandotte Chem Corp, 1114 Oliver Bldg, Pittsburgh 22
E E Zimmerman Co, 1704 Kennan Bldg, Pittsburgh 22 Atlantic 1-9373

G & W H Corson Inc, Plymouth Meeting 3-0777
General Magnesite & Magnesia Co, Plymouth Meeting 3-2880
Firestone Tire & Rubber Co, P O Box 690, Pottstown 3131
E I Du Pont de Nemours & Co Inc, Explosives Dept, Schuylkill Trust Co Bldg, Center & Market Sts, Pottsville
Belle Chem Co Inc, 534 Pearl St, Reading 4-4855
E I Du Pont de Nemours & Co Inc, Explosives Dept, First National Bank Bldg, 207 Wyoming Ave, Scranton 2
Euston Lead Co, 500 Penn Ave, Scranton 3 4-1238
Delany & Co Inc, Milnor & Cottman Sts, Tacony 35 MA 4-5500
Atlas Powder Co, First Nat'l Bank Bldg, Tamaqua 1300
Sylvania Electric Products Co Inc, Towanda 640
Floridin Co, 200 Liberty St, Warren 329
Coopers Creek Chem Corp, 98 River Rd, W Conshohocken 6-0375
Eberle Tanning Co Inc, Church St, Westfield 53
Atlas Powder Co, 1022A Miners Nat'l Bank Bldg, Wilkes-Barre 3-2516
E I Du Pont de Nemours & Co Inc, Explosives Dept, Brooks Bldg, 15 S Franklin St, Wilkes-Barre
North Metal & Chem Co, 638 E Mason Ave, York 5584

RHODE ISLAND

Atlantic Chem Co, 2072 Smith St, Centredale 1-0951
Alrose Chem Co, 180 Mill St, Cranston 5 Williams 1-3000
A Harrison & Co Inc, P O Box 494, Pawtucket 5-7450
Joy Chem Co, 133 Webster St, Pawtucket 2-2700
Synthron Inc, Ashton, Pawtucket 3-4567
Thompson Chem Co, 90 Mendon Ave, Pawtucket 5-3700

Providence

Arnold, Hoffman & Co Inc, 55 Canal St, Providence Gaspee 1-2935
Atlantic Refining Co, Hospital Trust Bldg, Providence Gaspee 1-8040
Baker & Adamson Products, 58 Weybosset St, Providence 1 Dexter 7784
Berlow & Schlosser Co, 401 Industrial Trust Bldg, Providence Gaspee 1-4039
Chem Products Corp, King Philip Rr, E Providence 1-1777
E I Du Pont de Nemours & Co Inc, Organic Chem Div, 15 Westminster St, Providence
Eastern Color & Chem Co, 137 Canal St, Providence Jackson 1-7474
Fields Point Mfg Corp, Box 95 Edgewood Sta, Providence 5 Hopkins 1-6720
General Dyestuff Corp, 85 Tockwotton St, Providence 3 Gaspee 1585
Geigy Co, 15 Westminster St, Providence Gaspee 8645
Hammel-Dahl Co, 243 Richmond St, Providence 3 Jackson 1-3300

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Providence, continued

Heyden Chem Corp, 511 Westminster St, Providence Gaspee 1-1464
Industrial Dystuff Co, Massasoit Ave, E Providence 1-0940
Lacquer R I Co, P O Box 591, Providence Gaspee 1-9669
Lanatex Chem Co, 49 Westminster St, Providence Gaspee 1-4197
John D Lewis Inc, 68 Traverse St, Providence Gaspee 1-0262
George Mann & Co Inc, 251 Fox Point Blvd, Providence Gaspee 1-8466
Mathieson Hydrocarbon Chem Corp, Hospital Trust Bldg, Providence 3 Gaspee 1-2070
Morningstar Nicol Inc, 54 Towanda Dr, N Providence West 6596-W
National Aniline Div, 15 Westminster St, Providence 3 Dexter 1-3008
New England Lacquer Co, Box 89, E Providence 1-2056
Onyx Oil & Chem Co, 511 Westminster St, Providence Gaspee 0355
Paisley Products, 54 Towanda Dr, N Providence West 6596-W
Philipp Bros Chem, 511 Westminster St, Providence 3 Gaspee 1-6122
Rohm & Haas Co, 2001 Industrial Trust Bldg, Providence 3 Gaspee 1-9307
Rumford Chem Works, Rumford E Providence 1-2880
Sessions-Gifford Co Inc, 255 Allens Ave, Providence HO 1-0770
J U Starkweather Co Inc, 241 Allens Ave, Providence Williams 1-0812
Stein, Hall & Co, 111 Westminster St, Providence 3 Jackson 1-6360
Warwick Chem Co Div, Wood River Junction Carolina R I-52

SOUTH CAROLINA

Alex M McIver & Son, Peoples Bldg, Charleston 2-4627
Davison Chem Corp, 49 Broad St, Charleston 7163
Halogen Chem Inc, 1505 Charlton Dr, Columbia 7215
Naco Fertilizer Co, Seargent Jasper Bldg, Charleston
McKesson & Robbins, 919 Gervais St, Columbia 8147
Virginia-Carolina Chem Corp, P O Box 1258, Columbia H 2-4387
Clinton Foods Inc, 900 Woodside Bldg, Greenville 2-8022
Warwick Chem Co Div, White St, Rock Hill
Industrial Minerals Inc, York 184

SOUTH DAKOTA

Standard Oil Co, 317 Iowa St S E, Huron 711

TENNESSEE

Burkart-Schier Chem Co, Chestnut St at 13, Chattanooga 2 6-0101
National Aniline Div, James Bldg, Chattanooga 6-6347
Reilly Tar & Chem Corp, 4900 Central Ave, Chattanooga 10 3-1141
Palmyra Lime Products Co, P O Box 187, Clarksville 6916
Southern Mica Co, 88 Steel St, Johnson City 360
Ansul Chem Co, 2940 Middlebrook Pike N W, Knoxville 3-0356
Atlas Powder Co, Hamilton Nat'l Bank Bldg, Knoxville 3 2-2147
Industrial Colloids & Chem Inc, 127 W Jackson Ave, Knoxville 11 2 0214
Williams Lime Mfg Co, 905 Hamilton Bank Bldg, Knoxville 3-6133

Memphis

Buckman Labs Inc, Memphis 7-3625
Chapman Chem Co, 707 Dermon Bldg, Memphis 37-8316
Colgate-Palmolive-Peet Co, Sterick Bldg, Memphis 8-1600
Commercial Chem Co, P O Box 86, Memphis 1 5-2644
Diamond Alkali Co, 1391 Heistan Pl, Memphis 3
Florasynth Labs, 462 Union Ave, Memphis
Ideal Chem & Supply Co, P O Box 5597, Memphis 4 36-7331
W C Manley Jr, Falls Bldg, Memphis 5-3456
McKesson & Robbins Inc, 109 S 2 St, Memphis 8-2233
McMillen Feed Mills Inc of Tenn, Memphis
Newport Industries Inc, 1302 Sterick Bldg, Memphis 5-0488
Sullivan Co, 212 E Tregg Ave, Memphis
Thompson Hayward Chem Co, 463 N Main, Memphis 1 5-7561
Virginia-Carolina Chem Corp, P O Box 5007, Memphis 12 4-6216
Block Bros, 141-149 Second Ave S, Nashville 2 4-9776
Davison Chem Corp, 54 Ave N, Nashville 9-4536
Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville 4-1651
Victor Chem Works, 900 Sudekum Bldg, Nashville 3 6-3737
C R Graybeal & Sons, Roan Mtn 2201

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Casner Candelilla Co, Box 120, Alpine 530
Austin White Lime Co, Box 53, Austin 5-1616
Southwestern Analytical Chem, 1109 W Gibson St, Austin 4 6-3959
Industrial Chem Specialties Co, P O Box 456, Baytown 2033
Celanese Corp of America, P O Box 148, Bishop 501
Pennsylvania Salt Mfg Co, Washington Ave, Bryan
Thompson-Hayward Chem Co, 523 Fitzgerald, Corpus Christi 2-9233

Dallas

Colgate-Palmolive-Peet Co, 1715 Tower Petroleum Bldg, Dallas Central 9038
Columbia-Southern Chem Corp, 414 Tower Petroleum Bldg, Dallas 1 Sterling 3050
Dow Corning Corp, 2722 Taylor St, Dallas 1 Prospect 2336
E I Du Pont de Nemours & Co Inc, Fabrics & Finishes Dept, 2607 Live Oak St, Dallas
Florasynth Labs, National City Bldg, Dallas
Hercules Powder Co, Gulf States Bldg, Dallas Riverside 3418
Philip A Hunt Co, 10 D Santa Fe Bldg, Dallas
H Kohnstamm & Co, 3601 Main St, Dallas 1 Riverside 3627
McKesson & Robbins Inc, 611 N Field St, Dallas Prospect 6311
Oronite Chem Co, 1420 Mercantile Securites Bldg, Dallas Prospect 2531
Reilly Tar & Chem Corp, 3951 Buena Vista, Dallas Justine 0245
Reinhhold Chem Inc, Santa Fe Bldg, Dallas 2 Sterling 8-1855
Rohm & Haas Co, 310 Southland Bldg Annex, 209 Browder St, Dallas 1 Prospect 6369
Thompson-Hayward Chem Co, P O Box 6226, Dallas 1 Federal 6521
Wyandotte Chem Corp, 1206 Gulf States Bldg, Dallas 1
Mineral Oil Refining Co, P O Box 625, Dickinson 7-3060
Colgate-Palmolive-Peet Co, Box 968, El Paso Edison 1732
Ansul Chem Co, 907½ Throckmorton St, Fort Worth
Nowlin Co, 1410 Throckmorton St, P O Box 1153, Fort Worth FO 7600
John Powell & Co Inc, 304 S Lake St, Fort Worth Edison 3746
Kipfer Chem Co, P O Box 770, Harlingen 629

Houston

American Cyanamid Co, Industrial Chem Div, 1005 Esperson Bldg, Houston 2 Capital 7850
American Cyanamid Co, Plastics & Resins Div, 1005 Esperson Bldg, Houston 2 Capital 7850
Atlas Mineral Products Co, Houston
Baker & Adamson Products, 3909 Capitol Ave, Houston 3 Charter 4-2675
Carbide & Carbon Chem Co, Div Union Carbide & Carbon Corp, 15 Neils Esperson Bldg, Houston 2
Chemical Labs, 1017 Sampson, Houston 3 CH 3491
Columbia-Southern Chem Corp, 408 Rusk Bldg, Houston Preston 0156
Consolidated Chem Industries Inc, 640 Mellie Esperson Bldg, Houston 2 BL 5371
Diamond Alkali Bldg, 1006 Main St, Houston 2
Dow Chem Co, 2205 Commerce Bldg, Houston Charter 4-3506
E I Du Pont de Nemours & Co Inc, Grasselli Chem Dept, 513 Esperson Bldg, Houston 2 Charter 6971
E I Du Pont de Nemours & Co Inc, Organic Chem Dept, 513 Esperson Bldg, Houston 2 Charter 6971
E I Du Pont de Nemours & Co Inc, Organic Chem Dept, Petroleum Chem Div, 513 Esperson Bldg, Houston 2 Charter 6971
E I Du Pont de Nemours & Co Inc, Pigments Dept, City National Bank Bldg, 921 Main St, Houston
Duval Sulphur & Potash Co, 1120 Niels Esperson Bldg, Houston 2 Fairfax 7394
Magnet, Cove Barium Corp, Box 6504, Houston 5 BL 4411
H Kohnstamm & Co, 2020 Lyons Ave, Houston 1 Charter 4-4786
Magnet Cove Barium Corp, Box 6504, Houston 5 Madison 9261
Mathieson Hydrocarbon Chem Corp, Gulf Bldg, Houston 2 Blackstone 6511
McKesson & Robbins Inc, 3122 Leeland Ave, Houston Atwood 8-7676
Merichem Co, 3101 Fannin St, Houston 4 LI 7538
Merimac Div, Monsanto Chem Co, 904 City National Bank Bldg, Houston 2 Atwood 8-6421
Monsanto Chem Co, Organic Chem Div, 904 City National Bank Bldg, Houston 2 Atwood 6421
Rector Well Equipment Co Inc, 2215 Commerce, Houston FA 6468
Reichhold Chem Inc, 2301 Commerce St, Houston 2 Capitol 0256
Sherwin-Williams Co, 240 Shea Pl, Houston 1 Capitol 9481
Solvay Sales Div, 1313 City Nat'l Bank Bldg, Houston 2

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Stauffer Chem Co, 522A M & M Bldg, Houston 2 Charter 1876
Tennessee Eastman Co, 412 Main St, Houston
Texas Solvents & Chem Co, 8501 Market St, Houston 15 OR 6683
Thompson-Hayward Chem Co, 2600 Crockett St, Houston 13 Charter 2668
Universal Mfg Co, P O Box 2427, Houston 1
C K Williams & Co, Kimmons Rogers Bldg, 2414 W Holcombe Blvd, Houston 5 Charter 8814
Witco Chem Co, 1 N Main St, Houston Blackstone 3291

Reilly Tar & Chem Corp, Lone Star 141
McKesson & Robbins Inc, 1110 Hoefgen Ave, San Antonio Kenwood 5131
Thompson-Hayward Chem Co, P O Box 126, Grayson St Sta, San Antonio 8 Fannin 7737
Monsanto Chem Co, Tex Dix, Texas City 5-4431
Perfection Co Ltd, 211 S 5 St, Waco 2-6291
Stauffer Chem Co, Box 495, Weslaco

UTAH

McKesson & Robbins Inc, 161 24 St, Ogden, 8834
Morningstar, Nicol Inc, 3571 Grant Ave, Ogden Dial 2-9627
Paisley Products, 3571 Grant Ave, Ogden Dial 2-9627
Reilly Tar & Chem Corp, P O Box 286, Provo 745
Atlas Powder Co, 823 Continental Bank Bldg, 200 S Main St, Salt Lake City 1 4-7064
Dow Chem Co, 1014 Boston Bldg, Salt Lake City 5-5665
Emil Klemm Inc, 1946 S Main St, Salt Lake City 7-8945

VERMONT

Eastern Magnesia Talc Co, 206 Bank St, Burlington 3580
Continental Can Co Inc, Hopewell 834

VIRGINIA

Ashville Mica Co, P O Box 318, Newport News 7-1251
Joseph C Jett, Board of Trade Bldg, Norfolk 1 2-2721
Reilly Tar & Chem Corp, P O Box 357, Norfolk 1 Berkley 948
Smith-Douglass Co Inc, P O Box 1219, Norfolk 1 27155
Virginia-Carolina Chem Corp, 525 Western Union Bldg, Norfolk 1 2-4779
Southside Chem Co Inc, 139 Monroe St, Petersburg 1117-J
American Pigment Corp, Pulaski 3-3451
Dow Chem Co, 1235 Central National Bldg, Richmond 2-3856
Experiment Inc, Box 1-T, Richmond 2
National Aniline Div, 8 N 5 St, Richmond 19 2-1930
Tobacco By-Products & Chem Corp, 401 E Main St, Richmond 2-0113
Virginia-Carolina Chem Corp, 401 E Main St, Richmond 8 2-0113
Atlas Powder Co, 811 7 St N E, Roanoke 3-2145
McKesson & Robbins, 365 W Salem Ave, Roanoke 7383
Suffolk Oil Mill Inc, P O Box 736, Suffolk 3426
Virginia Smelting Co, W Norfolk 73441
American Cyanamid Co, Agricultural Chem Div, Shenandoah Valley Bank Bldg, Winchester 3609

WASHINGTON

Puget Sound Pulp & Timber Co, Bellingham 4411
Reilly Tar & Chem Corp, P O Box 50, Renton 5-3737

Seattle

American Cyanamid Co, Industrial Chem Div, 2203 1 Ave S, Seattle 4 Seneca 0335
American Cyanamid Co, Plastics & Resins Div, 2203 1 Ave S, Seattle 4 Seneca 0335
American-Marietta Co, 3400 13 Ave S W, Seattle Elliott 3311
American Tar Co, Ft Wallingford Ave, Seattle 3 Melrose 0828
Associated Lead & Zinc Co, 2800 16 Ave S W, Seattle Elliott 3616
Atlas Powder Co, 1320 Joseph Vance Bldg, 3 Ave & Union St, Seattle 1 Main 5110
Baker & Adamson Products, 1326 5 Ave, Seattle 1 Elliott 5287
Carbide & Carbon Chem Co, Div Union Carbide & Carbon Corp, 2901 First Ave S, Seattle 4
Cascade Chem Co, 3217 17 Ave W, Seattle Garfield 6335

Seattle, continued

Colonial Chem Co, 4014 28 St, S W, Seattle Avalon 5655
Commercial Solvents Corp, Van Waters & Rogers, 4000 1 Ave S, Seattle 4 Seneca 2100
Dow Chem Co, 712 Lloyd Bldg, Seattle Main 3521
Dow Chem Co, 1702 Textile Tower, Seattle Main 3750
E I Du Pont de Nemours & Co Inc, Explosives Dept, Hoge Bldg, 701-705 2 Ave, Seattle 4
Givaudan Flavors, 2607 2 Ave, Seattle
Givaudan-Delawanna, 2607 2 Ave, Seattle
Manufacturers Min Co, Box 3144, Seattle West 3140
McKesson & Robbins Inc, 419 Occidental Ave, Seattle Elliott 4383
Carl F Miller & Co Inc, 1217 6 Ave S, Seattle M-24330
Monsanto Chem Co, Organic Chem Div, 911 Western Ave, Seattle 4 Main 4203
Monsanto Chem Co, Phosphate Div, 911 Western Ave, Seattle 4 Main 4203
Monsanto Chem Co, Western Div, 911 Western Ave, Seattle 4 Main 4203
Northwest Lead Co, 2700 16 Ave S W, Seattle Elliott 3616
Reichhold Chem Inc, 5900 W Marginal Way, Seattle 14 Lander 6300
Rudd Paint & Varnish Co, 1608 15 Ave W, Seattle 99 Alder 1900
Sindar Corp, 2607 2 Ave, Seattle
Tennessee Eastman Co, 821 2 Ave, Seattle
Van Waters & Rogers Inc, 4000 1 Ave S, Seattle Seneca 5050
Wyandotte Chem Corp, 450 Skinner Bldg, Seattle 1

Atlas Powder Co, 1131 Old Nat'l Bank Bldg, W 428 Riverside Ave, Spokane 8 Main 4733
McKesson & Robbins Inc, 160 S Wall St, Spokane Riv 2141
Hooker Electrochem Co, 605 Alexander St, Tacoma 1 Broadway 1215
Pennsylvania Salt Mfg Co of Wash, 2901 Taylor Way, Tacoma 1 Main 9101
Baker & Adamson Products, P O Box 369, Vancouver 3350
Baker & Adamson Products, 3 Benton St, Wenatchee 1703
Baker & Adamson Products, P O Box 1468, Yakima 4712
E I Du Pont de Nemours & Co Inc, Grasselli Chem Dept, 123 W Yakima Ave, Yakima 2-9183

WEST VIRGINIA

Belle Alkali Co, P O Box 615, Belle Charleston 94-515
Evans Lead Corp, Box 1467, Charleston 25 2-8105
United Carbon Co Inc, P O Box 1913 Charleston 2-1161
Reilly Tar & Chem Corp, Hoult Rd, Fairmount 762
Cabell Chem Co, 101 22 St, Huntington
E I Du Pont de Nemours & Co Inc, Explosives Dept, W Va Bldg, 4 Ave & 9 St, Huntington 1
Standard Ultramarine Co, 5 Ave & 24 St, Huntington 6115
Ohio-Apex Inc, Nitro 152
Barium Reduction Corp, Drawer 1, S Charleston 3
Wheeling Steel Corp, Wheeling LD 20

WISCONSIN

Merchants Chem Co Inc, Appleton 3-1941
Pennsylvania Salt Mfg Co, Irving Zuelke Bldg, Appleton
Western Condensing Co, 935 E John St, Appleton
Standard Oil Co, 417 Pine St, Green Bay Howard 1700
Standard Oil Co, 20 Copeland Ave, La Crosse 3075
Ohio Chem & Surgical Equipment Co, 1400 Washington Ave, Madison 10 6-5421
Solvit Chem Co Inc, Speedway Rd, Madison 5 3-1155
Ansul Chem Co, Marinette 2-4411

Milwaukee

Ansul Chem Co, 345 N Water St, Milwaukee 2 Broadway 6-4868
Archer-Daniels-Midland Co, 3003 W Hopkins Rd, Milwaukee Uptown 3-4567
Badger Chem Co, 1120 S Barclay St, Milwaukee 4 Mitchell 5-3725
Baker & Adamson Products, 205 S 16 St, Milwaukee 3 Mitchell 5-3516
Bell-Ray Chem Corp, 1608 W Clayhourn St, Milwaukee 3 West 3-5498
Carbolineum Wood Preserving Co, 528 W Highland Ave, Milwaukee 3 Marquette 8-4735
Clinton Foods Inc, 106 W Seeboth St, Milwaukee Broadway 2-1720
DeMert & Dougherty, 223 E Detroit St, Milwaukee 2, Broadway 2-6590
Donald Sales & Mfg Co, 6591 W State St, Milwaukee 13 Spring 4-7180
Dow Chem Co, 11332 S Barclay St, Milwaukee
E I Du Pont de Nemours & Co Inc, Grasselli Chem Dept, 161 W Wisconsin Ave, Milwaukee 3 Marquette 8-8380
Essential Chem Co, 2200 N 32 St, Milwaukee Uptown 3-2330
Fiebing Chem Co, 516 S Second St, Milwaukee 4 Marquette 8-5012

Milwaukee, continued

F G Findley Co, W Pemberton & 30 N Sts, Milwaukee 45 HI 4-4460
Hansen's Chr Lab Inc, 9015 Maple St W, Milwaukee 14 Greenfield 6-3630
Industrial Service Labs, 710 W National Ave, Milwaukee Orchard 2-1098
Kali Mfg Co, 427 Moyer St, Phila 25 Regent 9-2370
Kepac Chem Corp, 1454 N 4 St, Milwaukee Marquette 8-4452
Lakeside Labs Inc, 1707 E North Ave, Milwaukee 1 Broadway 1-9400
Merchants Chem Co Inc, 1100 S Barclay St, Milwaukee 4 Mitchell 5-7909
Milwaukee Chem Co, 204 N Broadway, Milwaukee Daly 8-3475
Milwaukee Solvay Coke Co, 311 E Greenfield Ave, Milwaukee Marquette 8-5200
No-Name Products Inc, 1218 W Pierce St, Milwaukee Mitchell 5-1200
Paul-Lewis Lab Inc, 4253 N Port Washington Rd, Milwaukee Edgewood 2-3545
Pittsburgh Plate Glass Co, Corona Chem Div, 235 E Pittsburgh Ave, Milwaukee
Reichhold Chem Inc, 1409 N 27 St, Milwaukee West 3-1550
Riesen Chem Corp, 418 W Vliet St, Milwaukee 12 Broadway 1-7226
Rodgers Labs Inc, 4135 S 6 St, Milwaukee 15 HU 3-3000
Scholle Chem Corp, 3811-D Sherburn Pl, Milwaukee
Standard Oil Co, 414 W Michigar St, Milwaukee 3 Marquette 8-2880
United States Industrial Chem, 818 W Winnebago St, Milwaukee 5 Marquette 8-2076
Western Lime & Cement Co, 125 E Wells St, Milwaukee Marquette 8-1272
Wisconsin Solvents & Chem Corp, 1719 S 83rd St, Milwaukee 14 Greenfield 6-2630

Chemical Supply Co, 302 Railroad St, Neenah 2-3383
Morningstar, Nicol Inc, Route 2 Box 114-F, Pewaukee
Paisley Products, Route 2 Box 114-F, Pewaukee
Marathon Corp, Rothschild
Salvo Chem Corp, Rothschild 01773

WYOMING

Standard Oil Co, 1810 Pioneer St, Cheyenne 25575

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Buyers' Guide Issue
330 W. 42nd St., New York 36, N.Y.

Chemicals, Raw Materials & Specialties

(Research Chemicals listed on page 174)

ABIETIC ANHYDRIDE see Rosin, Gum

ABIETINIC ACID see Acid, Abietic

ABRASIVES, GRINDING

Materials of sufficient physical hardness to grind or polish the surface of metals, etc., by mechanical rubbing or wearing. See also Emery, Iron Oxide Red, Pumice, Rotten Stone, Silica.

*Bay State Abrasive Products Co, Westboro, Mass
*Block Bros, 141-149 2 Ave S, Nashville 2, Tenn
*Carborundum Co, Box 337, Niagara Falls, N Y
*Exolon Co, Tonawanda, N Y
Fay-Cole & Co, 71 India St, Boston, Mass
*K F Griffiths & Co, 280 Madison Ave, N Y 16
*Harrison & Co, 487 Groveland St, Haverhill, Mass
John W Higman Co, 24 State St, N Y 4
*Keystone Emery Mills, 1660 Church St, Phila 24, Pa
L J & M La Place, Leliarts Lane, E Paterson, N J
*Macklin Co, 2914 Wildwood Rd, Jackson, Mich
New England Quartz Co, 454 7 Ave, N Y 1
*Pittsburgh Plate Glass Co, Corona Chem Div, 235 E Pittsburgh Ave, Milwaukee, Wis

ABRASIVES FOR DETERGENTS, POLISHES

Materials with gentle abrasive action which clean or polish without marring the smooth surface of brass, silver and other soft metals, enamels, glass, marble, etc. See also Bentonite, Diatomaceous Earth, Talc, Tripoli, Volcanic Ash, etc.

Bergstrom Trading Co, 233 Broadway, N Y
*Carborundum Co, Box 337, Niagara Falls, N Y
Charles B Chrystal Co, 53 Park Pl, N Y 7
*Composition Materials Co, 28 W 44 St, N Y
*Exolon Co, Tonawanda, N Y
*Mitchell Fels, 274 E Ashmead St, Box 4270, Phila 44, Pa
*Great Lakes Carbon Corp, 18 E 48 St, N Y 17
*K F Griffiths & Co, 280 Madison Ave, N Y 16
Hammill & Gillespie, 225 Broadway, N Y 7
*Harrison & Co, 487 Groveland St, Haverhill, Mass
Harshaw Chem Co, 1945 E 97 St, Cleveland 6, Ohio
*Illinois Minerals Co, 8071/2 Washington Ave, Cairo, Ill
*Industrial Minerals & Chem Co, 6 & Gilman Sts, Berkeley 10, Cal
Kennedy Minerals Co, 2550 E Olympic Blvd, Los Angeles 23, Cal
*Keystone Emery Mills, 1660 Church St, Phila 24, Pa
*Maywood Chem Works, Maywood, N J
*Mineral Sales Corp, 90 Pine St, N Y 5
Moore & Son, 4402 E Poe St, Tucson, Ariz
*Pittsburgh Plate Glass Co, Corona Chem Div, 235 E Pittsburgh Ave, Milwaukee, Wis
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
Charles A Wagner Co, 813 Catlowhill St, Phila 23, Pa
Robert I Webber Co, 52 Vanderbilt Ave, N Y 17
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

ACACIA GUM see Gum, Arabic

ACCELERATORS, RUBBER

Compounds, which speed the curing process of rubber and improve the quality of the product. See also Aniline, Antimony Sulfide, Di-o-tolylguanidine, Diphenylguanidine, p-Nitrosodimethylaniline, Thiocarbanilide, Triphenylguanidine.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
Akron Chem Co, 255 Fountain St, Akron, Ohio
American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
*Biofen Labs, 146 St, Bridgeport 7, Conn
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
*Calco Chem Div, American Cyanamid Co, Bound Brook, N J
Chematar Inc, Exchange Pl, N Y 5
*E I Du Pont de Nemours & Co, Organic Chem Dept, Rubber Chem Div, Wilmington 98, Del
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
Fisher Scientific Co, 635 Greenwich & Morton Sts, N Y 14
Gen Latex & Chem Corp, 666 Main St, Cambridge, Mass
*B F Goodrich Chem Co, 2060 E 9 St, Cleveland 15, Ohio

accelerators
SPDX-GH • PHENEX
antioxidants
FOR LATEX AND RUBBER
Standard — S.C.R.-Stabilite-Stabilite Alba
Nonstaining — Stabilite White
(POWDER OR LIQUID)
The C. P. Hall Co.
CHEMICAL MANUFACTURERS
AKRON • LOS ANGELES • CHICAGO • NEWARK

RUBBER ACCELERATORS
Thiurams
Dithiocarbamates
Ethylac
Merac
SHARPLES CHEMICALS INC.
NEW YORK • PHILADELPHIA • AKRON • CHICAGO
SHARPLES TRADE MARK CHEMICALS

*Company classifies itself as manufacturer or producer of this product

Celanese®
CHEMICALS

ACETALDEHYDE

FORMALDEHYDE
FORMCEL*
(Formaldehyde in Alcohol)
PARAFORMALDEHYDE

ACETALS KETONES
ACIDS OXIDES
ALCOHOLS PLASTICIZERS
SOLVENTS

See Celanese Advertisement in Catalog Section

CELANESE CORPORATION OF AMERICA
Chemical Division, Dept. 511
180 Madison Avenue, New York 16

District Sales Representation:
NEW YORK • BOSTON • CHICAGO • DETROIT
SAN FRANCISCO • BISHOP, TEXAS

*REG. U. S. PAT. OFF.

Niacet
TRADE-MARK

ACETALDEHYDE
99% Minimum

•

Used in condensation reactions to produce resins, rubber accelerators, and anti-oxidants. Also used in production of dyestuffs, pentaerythretol, cinnamic aldehyde, ethyl lactate. Shipment in 325 lb. net steel drums and 53,000 or 64,000 lb. net insulated tank cars.

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For further information write to:
CARBIDE AND CARBON CHEMICALS COMPANY
A Division of
Union Carbide and Carbon Corporation
30 E. 42nd St. UCC New York 17, N.Y.

*A Gross & Co, 295 Madison Ave, N Y
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Harsyd Chem, Holland, Mich
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*J M Huber Corp, 100 Park Ave, N Y 17
*Kaiser Aluminum & Chem Sales, 1924 Broadway, Oakland 12, Cal
Emil Klemm, 1946 S Main St, Salt Lake City, Utah
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Naugatuck Chem, Div U S Rubber Co, Naugatuck, Conn
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
Republic Chem Corp, 94 Beekman St, N Y 38
*Sharples Chem, 123 S Broad St, Phila 9, Pa
*R T Vanderbilt Co, 230 Park Ave, N Y
Witco Chem Co, 295 Madison Ave, N Y 17

ACCELERATORS, TANNING

Compounds or mixtures used to hasten the tanning actions which improve texture.

Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio

ACENAPHTHENE

$C_{12}H_{10}$. M. W. 154.20. Long, white needles. M. P. 95°C. B.P. 277.5°C.

Aceto Chem Co, 82 Beaver St, N Y 5
American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
J H Bauminger, 421 7 Ave, N Y
Chematar Inc, Exchange Pl, N Y 5
*Ciba Co, 627 Greenwich St, N Y 14
Elbert & Co, 2 Broadway, N Y
*Koppers Co, 350 5 Ave, N Y
Reilly Tar & Chem Corp, 1615 Merchant Bank Bldg, Indianapolis 4, Ind
Reinhart Chem Corp, 405 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38

ACERDOL see Calcium Permanganate

ACETAL

$CH_3CH(OC_2H_5)_2$. M.W. 118.11. Colorless liq. agreeable odor. Sp. gr. 0.831. B.P. 102.2°C. Sol. water, alcohol, ether. Uses—general solvent. Grades—tech.

*Bios Labs, 17 W 60 St, N Y 23
Fisher Scientific Co, 635 Greenwich & Morton Sts, N Y 14

ACETALDEHYDE

CH_3CHO. M.W. 44.03. Colorless, inflammable liq. pungent fruity color. Sp. gr. 0.782 (15°C). M.P.—123.5°C. B.P. 20.2°C. Sol. water, alcohol, ether. Uses—mfr. organic derivatives, paraldehyde, synth. drugs, dyestuffs, yeast albumin; in silvering mirrors; as photographic developer; in phenolic resins; mfr. synth. rubber. Grades—tech.

American Firstoline Corp, 420 Lexington Ave, N Y
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y 16
*Cities Service Oil Co, Masonic-Empire Bldg, Bartlesville, Okla
Fisher Scientific Co, 635 Greenwich & Morton Sts, N Y 14
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Magnus, Mabee & Rynard, 16 Desbrosses St, N Y 13
*Publicker Industries, 1429 Walnut St, Phila, Pa
Shawinigan Products Corp, 350 5 Ave, N Y 1
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Tennessee Eastman Co, 10 E 40 St, N Y 16
*U S Industrial Chem, 60 E 42 St, N Y

ACETALDOL see Aldol

ACETAMIDE

CH_3CONH_2. M.W. 59.05. Colorless, deliq. cryst., mousy odor. Sp. gr. 1.159. M.P. 81°C. B.P. 222°C. Sol. water, alcohol. Uses—mfr. intermediates, methylcyanide, synth. pharmaceuticals. Grades—U.S.P.; C.P. odorless; tech.

J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Conray Products Co, 510 6 Ave, N Y 11
Fisher Scientific Co, 635 Greenwich & Morton Sts, N Y 14
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38

ACETAMIDINE HYDROCHLORIDE

$CH_3C(NH)NH_2.HCl$. M.W. 94.53. Colorless, odorless cryst.; somewhat deliq. Sol. water, alcohol; insol. ether, acetone. M.P. 166°C.

*Bios Labs, 17 W 60 St, N Y 23
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y

ACETANILID

$C_6H_5NH(COCH_3)$. White cryst. scales. Sp. gr. 1.2105. M.P. 113°C. B.P. 305°C. Sol. hot water, alcohol ether. Uses—mfr. p-Nitroacetanilid, p-Phenylenediamine, p-Nitraniline, intermediates, dyestuffs, para red; ingredient cellulose ester dopes, lacquers; stabilizer hydrogen peroxide; as rubber accelerator; in medicine. Grades—U.S.P.; tech.

American Firstoline Corp, 420 Lexington Ave, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
E M Browning Co, 150 Broadway, N Y 38
*Dow Chem Co, Midland, Mich
Elbert & Co, 2 Broadway, N Y
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Fallek Products Co, 163 Broadway, N Y 6
Fisher Scientific Co, 635 Greenwich & Morton Sts, N Y 14
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Maywood Chem Works, Maywood, N J
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Tennessee Eastman Co, 10 E 40 St, N Y
Tuteur Bio-Chem, 60 Wall St, N Y 5
George Uhe Co, 76 9 Ave, N Y 14

ACETATE OF ETHYL ETHER OF DIETHYLENE GLYCOL

ACETIC ANHYDRIDE (Acetic Oxide, Acetyl Oxide)

$CH_3CO\text{-}O\text{-}CH_2CH_2OCH_2CH_2OC_2H_3$. Colorless liq. B.P. 218°C. Sp. gr. 1.0125 (20°/20°C). Uses—lacquers, inks.

Aceto Chem Co, 82 Beaver St, N Y 5
American-British Chem Supplies, 180 Madison Ave, N Y
Bell Chem Co, 25 W 44 St, N Y 18
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Chematar Inc, Exchange Pl, N Y 5
Elbert & Co, 2 Broadway, N Y
Prentiss Drug & Chem Co, 110 William St, N Y 38

ACETATE OF LIME see Calcium Acetate

$(CH_3CO)_2O$. M.W. 102.05. Colorless liq., strong acetic odor. Sp. gr. 1.082 (15°C). B.P. 139.6°C. Sol. alcohol, chloroform, ether. Decomp. with water to acetic acid. Uses—mfr. alkyl acetates, fine chemicals, intermediates, synth. drugs, synth. dyes, cellulose

acetic anhydride

• Eastman acetic anhydride is widely used for acetylations requiring a stronger reactant than acetic acid. Its high quality and uniformity recommend its use also as a dehydrating agent in reactions such as nitrations and sulfonations where the removal of water is necessary. Available in drums and tank cars.

TENNESSEE EASTMAN COMPANY
Division of Eastman Kodak Company
KINGSPORT, TENNESSEE

EASTMAN INDUSTRIAL CHEMICALS

Sales Reps in principal cities—see ad in Catalog Section.

*Company classifies itself as manufacturer or producer of this product

tate, in medicine. Grades—tech., 75%, 85%, 90%, 95%; C.P.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
F M Browning Co, 150 Broadway, N Y 38
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y 16
Chem Mfg Co, 21 West St, N Y
Eibert & Co, 2 Broadway, N Y
Fisher Scientific Co, 635 Greenwich & Morton Sts, N Y 14
Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Leliarts Lane, E Paterson, N J
Mutchler Chem Co, 258 Broadway, N Y 7
Republic Chem Corp, 94 Beekman St, N Y 38
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Shawinigan Products Corp, 350 5 Ave, N Y 1
Sterone Corp, 250 W 57 St, N Y 19
*Tennessee Eastman Co, 10 E 40 St, N Y

ACETIC ETHER see Ethyl Acetate

ACETIC OXIDE see Acetic Anhydride

ACETIC ISOBUTYLESTER see sec.-Butyl Acetate

ACETIN (Monoacetin, Glycerin Monoacetate)

$C_3H_5O_3C_2H_3(OH)_2$. Colorless, thick hygroscopic liq. Sp. gr. 1.221. (15°C). B.P. 240°C. Decomp. on heating. Sol. water, alcohol, ether. Uses—mfr. dinitroacetylglycerin, non-congealing dynamites; tanning leather; solvent for basic dyestuffs; gelatinizing smokeless powd. Grades—C.P.; tech.

American-British Chem Supplies, 180 Madison Ave, N Y
W W Aogus, 220 Broadway, N Y
Antara Products Div, 435 Hudson St, N Y 14
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Fisher Scientific Co, 635 Greenwich & Morton Sts, N Y 14
*Gen Dyestuffs Corp
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa

ACETOACETANILIDE (Acetylacetanilide)

$CH_3COCH_2CONHC_6H_5$. Snow-white cryst. M.P. 84°-85° C. Insol. water; sol. in dilute hydroxide solution. Uses—intermediate in the mfr. of dry colors (Hansa Yellows).

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*U S Industrial Chem, 60 E 42 St, N Y

ACETOACETIC ESTER see Ethyl Acetoacetate

ACETOACET-o-ANISIDIDE

$CH_3COCH_2CONHC_6H_4OCH_3$. M.W. 207.22. White, fine crystalline powd. M. P. 82-85°C. Users—intermediate in the mfr. of dry colors (Hansa Yellows).

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

ACETOACET-o-CHLORANILIDE

$CH_3COCH_2CONHC_6H_4CL$. M.W. 211.65. White, fine crystalline powd. M. P. not less than 102.5. Uses—intermediate in the mfr. of dry colors (Hansa Yellows).

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
George F Smith, 60 E 42 St, N Y 17
*U S Industrial Chem, 60 E 42 St, N Y
United Sterling Corp, 37 E 28 St, N Y

ACETOACET-p-CHLORANILIDE

$CH_3COCH_2CONHC_6H_4CL$. M.W. 211.65. White, fine crystalline powd. M.P. 130-132°C. Uses—intermediate in the mfr. of dry colors (Hansa Yellows).

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

ACETOACET-o-TOLUIDIDE

White granular powd. M.P. not less than 103.5°C; purity not less than 96% by CO_2 evolution method. Uses—intermediate in mfr. of Hansa Yellows. Grades—technical.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*U S Industrial Chem, 60 E 42 St, N Y

ACETOIN see Acetyl Methyl Carbinol

ACETOL

Dalton-Cooper, Inc, 200 W 34 St, N Y 1

ACETONE (Dimethylketal, Dimethylketone, Ketopropane, Proacetic Ether, Methylacetyl, Propanone)

CH_3CACH_3. Colorless, inflammable liq., fragrant, mint-like odor. Sp. gr. 0.799 (25°C). M.P.—94°C. B.P. 55.5°-57.5°C. Miscible water, alcohol, ether, ethereal salts, many oils. Uses—mfr. acetone derivatives, acetone oil, chloroform, pharmaceuticals, iodoform, sulfonal,

ACETONE, continued

ionone, indigo, nigrosin, quinolin, diphenylamine and azo dyes, prepared motor fuels, lubricating compositions, rayon, rubber cements, burn substitutes, photographic films and plates, cellulose acetate plastics, celluloid, pyroxylin plastics; as solvent; solvent for starches, dextrins, smokeless powd.; cordite, gum, petroleum products making artificial feather, artificial perfumes, asphalt bitumens, acetate dopes and varnishes, bituminous paints, nitro-cellulose lacquers, synth. and natural waxes and resins, purifying paraffin and rubber; denaturant for industrial alcohol; extracting medium; extracting fats and oils; disinfectant; cleansing agent; storing acetylene; treating hides; dyeing cotton with aniline black; degreasing wool; degumming silk; in medicine. Grades—U.S.P.; C.P.; tech.

Aceto Chem Co, 82 Beaver St, N Y 5
J C Ackerman Co, Penn-Lincoln Hotel, Pittsburgh 21, Pa
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
American Mineral Spirits Co, 155 E 44 St, N Y 17
W W Angus, 220 Broadway, N Y
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
W H Barber Co, 3650 N Homan Ave, Chicago 32, Ill
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bell Chem Co, 25 W 44 St, N Y 18
Leo Berberich, 198 Broadway, N Y 38
Bergstrom Trading Co, 233 Broadway, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
F M Browning Co, 150 Broadway, N Y 38
Buffalo Solvents & Chem Corp, Box 73, Sta B, Buffalo 7, N Y
C P Chem Solvents, 60 Park Pl, Newark 2, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y 16
Central Solvents & Chem Co, 2545 W Congress St, Chicago 12, Ill
Chematar Inc, Exchange Pl, N Y
Chem Mfg Sales Co, 2967 S LaSalle St, Chicago, Ill
Chem Mfg Co, 21 West St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
City Chem Corp, 132 W 22 St, N Y 11
C B Coburn Co, 63 Market St, Lowell, Mass
Cole Labs, 42-25 9 St, L I C 1, N Y
Commerce Petroleum Co, 2980 Archer Ave, Chicago 8, Ill
*Commercial Solvents Corp, 17 E 42 St, N Y 17
Conray Products Co, 510 6 Ave, N Y 11
Dakoline Chem Co, 357 Atlantic Ave, Bklyn, N Y
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Duff Chem Co, 342 Madison Ave, N Y 17

ACETONE

Low boiling, versatile solvent. Clear, colorless liquid, miscible with water and most organic liquids.

ENJAY

ENJAY COMPANY, INC.
15 West 51st St.
New York 19, N. Y.

Write or phone for further information

acetone

Because of its excellent color and odor, Eastman acetone is desirable for use as a process solvent for extraction of drugs and food products. It is soluble in water, alcohol, ether and chloroform. Available in drums, compartmented and full tank cars.

TENNESSEE EASTMAN COMPANY
Division of Eastman Kodak Company
KINGSPORT, TENNESSEE

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Sales Reps in principal cities—see ad in Catalog Section.

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200 WEST 34TH ST., NEW YORK 1 — CABLES: DALTCOOP

Importers and Exporters of:

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OILS
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WAXES
CRUDE DRUGS
CHEMICALS

Inquiries are invited — LONGACRE 4-2910

*Company classifies itself as manufacturer or producer of this product

Celanese®
CHEMICALS

ACETONE

n-PROPANOL BUTYL ALCOHOLS
METHANOL METHYLAL

ACIDS
ALDEHYDES
SOLVENTS

See Celanese Advertisement in Catalog Section

CELANESE CORPORATION OF AMERICA
Chemical Division, Dept. 511
180 Madison Avenue, New York 16

District Sales Representation:
NEW YORK • BOSTON • CHICAGO • DETROIT
SAN FRANCISCO • BISHOP, TEXAS

*REG. U. S. PAT. OFF.

E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Elbert & Co, 2 Broadway, N Y
*Enjay Co, 15 W 51 St, N Y 19
European Chem Co, 366 Broadway, N Y 13
Faesy & Besthoff, 325 Spring St, N Y 13
Fallek Products Co, 163 Broadway, N Y 6
Frank C Farinella, 19 W 44 St, N Y
Fisher Scientific Co, 635 Greenwich & Morton Sts, N Y 14
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Wm S Gray & Co, 342 Madison Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
E Gumpert Corp, 75 West St, N Y 12
Hachik Bleach Co, 50 & Wynnefield Ave, Phila, Pa
Harshaw Chem Co, 1945 E 97 St, Cleveland 6, Ohio
Harwick Chem, First National Bank Bldg, Butler, Mo
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Hoosier Solvents & Chem Corp, 1650 Luett St, Indianapolis 22, Ind
Philip A Houghton, 30 Huntington Ave, Boston, Mass
Howe & French, Mfg Dept, E Weymouth, Mass
Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Lellarts Lane, E Patterson, N J
Legion Chem, 70 Wall St, N Y 5
Legion Export & Import Co, 261 W 15 St, N Y 11
Lewis Co, 232 Canal St, N Y 13
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
George Mann & Co, 251 Fox Point Bldg, Providence, R I
G C McClellan & Co, 141 Milk St, Boston 9, Mass
McKesson & Robbins, 155 E 44 St, N Y 17
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
Carl F Miller & Co, 1217 6 Ave S, Seattle, Wash
Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 7, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Ohio Solvents & Chem Co, 3470 W 140 St, Cleveland 11, Ohio
Oil & Chem Products, 295 Madison Ave, N Y 17
Overseas Enterprises, 25 Beaver St, N Y
Chas Page & Co, 50 E 42 St, N Y 17
L D Peters & Sons, 1133 Broadway, N Y 10
Philipp Bros Chem, 37 Wall St, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Phillips & Martin Co, 5524 N Wolcott Ave, Chicago, Ill
Phipps Products Corp, 30 Huntington Ave, Boston 16, Mass
Prentiss Drug & Chem Co, 110 William St, N Y 38
*Publicker Industries, 1429 Walnut St, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Riverside Chem Co, 871 River Rd, N Tonawanda, N Y
Rose Chem Co, 296 Pearl St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenwaldt-Turner Co, 20 Vesey St, N Y 7
Scholle Chem Corp, 6641 Ridge Ave, Chicago 26, Ill
Seaboard Industries, 195 Keen St, Paterson, N J
George Senn, 2200 E Westmoreland St, Phila 34, Pa
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Shawinigan Products Corp, 350 5 Ave, N Y 1
*Shell Chem Corp, 50 W 50 St, N Y 20
Shepard Chem Corp, 117 Liberty St, N Y 6
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Simmons Products Co, 15 Moore St, N Y
George F Smith, 60 E 42 St, N Y 17
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
J U Starkweather Co, 241 Allens Ave, Providence, R I
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
Sunnyside Oil Co, 2212 W Sunnyside Ave, Chicago 25, Ill
*Tennessee Eastman Co, 10 E 40 St, N Y
Texas Solvents & Chem Co, 8501 Market St, Houston 5, Tex
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Tuteur Bio-Chem, 60 Wall St, N Y 5
George Uhe Co, 76 9 Ave, N Y 14
*U S Industrial Chem, 60 E 42 St, N Y
Warner-Graham Co, President & Fawn Sts, Baltimore 2, Md
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
O J Weeks Co, 16 Hudson St, N Y 13
Western Condensing Co, 935 E John St, Appleton, Wis
Paul W Wood Co, 350 Townsend St, San Francisco 7, Cal

ACETONE CYANOHYDRIN (a-Hydroxyisobutyronitrile)

$(CH_3)_2C(OH)CN$. M.W. 85.06. Colorless to straw-colored liq. B.P. 82°C at 23 mm. Sol. water, alcohol, ether. Uses—production of methyl methacrylate resins, solvent, organic intermediate.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Bios Labs, 17 W 60 St, N Y 23
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*E I Du Pont de Nemours & Co, Polychemicals Dept, Wilmington 98, Del

ACETONITRILE (Methyl, Cyanide)

CH_3CN. M.W. 1405. Colorless liq. M.P. —44°C. B.P. 82°C.

American Firstoline Corp, 420 Lexington Ave, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Fisher Scientific Co, 635 Greenwich & Morton Sts, N Y 14

ACETONYL ACETONE

$CH_3(CO)CH_2CH_2(CO)CH_3$. A colorless, water-sol. liq. B.P. 191.3°C. Solvent for cellulose acetate, with a xylene nitrocellulose dilution ratio of 1.8. A small per cent, reduces the viscosity of nitrocellulose and Vinylite resin solutions. Being a 1,4-diketone, it condenses with reagents to form ring compounds which are derivatives of furan thiophene, and pyrrole, thus providing a simple method for passing from open chain to cyclic compounds. Has a tanning effect on hides and skins.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

ACETOPHEN see Acid, Acetylsalicylic

ACETOPHENETIDIN (Phenacetin, p-Ethoxyacetanilid)

$C_{10}H_{13}O_2N$. M.W. 179.20. White, fine crystalline powd., having no odor and a sl. bitter taste. M.P. 134.9°C. Sol. in organic solvents; sl. sol. in water. Uses—in medicines, as antipyretic and sedative. Grades—U.S.P. XI.

American Roland Corp, 16 Hudson St, N Y
J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
J H Bauminger, 421 7 Ave, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Chem Service Corp, 82 Beaver St, N Y 5
Conray Products Co, 510 6 Ave, N Y 11
Da Bear Inc, 636 11 Ave, N Y 19
*Dow Chem Co, Midland, Mich
Drug Labs, 408 N 3 St, Phila 23, Pa
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Legion Chem, 70 Wall St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins,, 155 E 44 St, N Y 17
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
*Merck & Co, 100 Lincoln Ave, Rahway, N J

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*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
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American-British Chem Supplies, 180 Madison Ave, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
*Fine Organics, 211 E 19 St, N Y 3
Fisher Scientific Co, 635 Greenwich & Morton Sts, N Y 14
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Perry Bros, 220 Flushing Ave, Bklyn 5, N Y
Polak & Schwartz, 667 Washington St, N Y 14
Schmitz-Schoenewadst-Turner Co, 20 Vesey St, N Y 7
Tombarel Products Corp, 12 E 22 St, N Y 10
*Trubek Labs, State Hway Rt 17, E Rutherford, N J
George Uhe Co, 76 9 Ave, N Y 14
*Verona Chem Co, 26 Verona Ave, Newark, N J

ACETOSAL see Acid, Acetylsalicylic

ACETOSALIC ACID see Acid, Acetylsalicylic

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ACETYLACETANILIDE see Acetoacetanilide

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American Roland Corp, 16 Hudson St, N Y

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ACETYL CHLORIDE (Ethanoyl Chloride)

CH_3COCl. M.W. 78.48. Colorless, burning liq.; strong odor, irritates the eyes. Sp. gr. 1.1051 (20°C). M.P. 112.0°C. B.P. 52°C. Sol. ether; miscible with acetone, acetic acid; reacts violently with alcohol and water. Uses—mfr. acetyl derivatives, intermediates, pharmaceuticals, synth. dyes. Grades—tech.

Advance Solvents & Chem Corp, 245 B Ave, N Y 16
J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y
*Trubek Labs, State Hway Rt 17, E Rutherford, N J

ACETYL CHOLINE CHLORIDE

$(CH_3)_3NClCH_2CH_2OOCCH_3$. M.W. 181.59. White odorless, hydroscopic crystals. Very sol. in cold water; insol. in ether. Uses—in pharmacy as a vaso-dilator.

American Roland Corp, 16 Hudson St, N Y
*Arenol Chem Corp, 40-33 23 St, L I C 1, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Chem Mfg Sales Co, 2967 S LaSalle St, Chicago, Ill
*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
*Conray Products Co, 510 6 Ave, N Y 11
*Lamex Chem Corp, 25 Broadway, N Y 4
*Polychem Co, 494 Hunts Point Ave, N Y 59
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

ACETYL ISOBUTYRYL

$CH_3COCOCH(CH_3)$ Yellow liq. B.P. 118°C. Partly sol. in water. Uses—flavoring. Grades—commercial.

*Fairmount Chem Co, 600 Ferry St, Newark 5, N J

ACETYL METHYL CARBINOL (Acetoin)

CH_3-CO-CHOH-CH_3. Sl. yellow liq. with tendency to slowly change into crystalline polymer which can be converted back into monomer by careful melting of cryst. S.G. 1.016 (15°C); B.P. 140°C.-144°C. Miscible with water in all proportions. In contact with air slowly oxidizes to diacetyl. Uses—in place of diacetyl in cases where diacetyl itself is too volatile. Grades—90% acetyl methyl carbinol.

*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
*Novadel-Agene Corp, Lucidol Div, 1740 Military Rd, Buffalo 5, N Y

ACETYL OXIDE see Acetic Anhydride

ACETYL PEROXIDE

$(CH_3CO)_2O_2$. M.W. 118. Crystal clear liq.; strong odor. Sol. most organic solvents. Uses—source of free radicals in organic synthesis; catalyst for bulk polymerization; modification of oils; vulcanizing and curing agent for rubber; decolorizing agent.

*Becco Sales Corp, Sta B, Buffalo 7, N Y

ACETYLPHENOL see Phenyl Acetate

ACETYL-p-PHENYLENEDIAMINE see p-Aminoacetanilide

ACETYLPROPANE see Methyl Propyl Ketone

ACETYL PROPIONYL

$CH_3COCOCH_2CH_3$. Yellow liq. B.P. 106°-110°C. Partly sol. in water. Uses—flavors of butterscotch and chocolate type.

*Fairmount Chem Co, 600 Ferry St, Newark 5, N J

3-ACETYLPYRIDINE

$C_5H_4N(COCH_3)$. M.W. 121.10. Colorless liquid. Uses—nutrition, organic syntheses.

Barclay Chem Co, 75 Varick St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Farchan Research Labs, 609 E 127 St, Cleveland 8, Ohio

2-ACETYL THIOPHENE

*Algo Chem Co, 1027 5 Deacon St, Detroit, Mich
*Bios Labs, 17 W 60 St, N Y 23

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Barclay Chem Co, 75 Varick St, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y

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*Air Reduction Sales Co, 60 E 42 St, N Y 17
Thomas A Edison, P O Box 15, Stuyvesant Falls, N Y
*Linde Air Products Co, 30 E 42 St, N Y 17
*Liquid Carbonic Corp, 3100 S Kedzie Ave, Chicago 23, Ill
Matheson Co, Paragon Div, E Rutherford, N J
*National Carbide Co, 60 E 42 St, N Y

ACETYLENE BLACK

Graphitic type of carbon black obtained by incomplete combustion of acetylene; apparent dens. 0.21. Uses—dry cells, thermally conductive rubber products.

American Firstoline Corp, 420 Lexington Ave, N Y
Shawinigan Products Corp, 350 5 Ave, N Y 1

ACETYLENE MONOCARBOXYLIC ACID see Acid, Propiolic

ACETYLENE TETRABROMIDE (Muthmann's Liquid, Tetrabromoethane)

$CHBr_2.CHBr_2$. White to yellow oily liq. Sp. gr. 2.973. B.P. 136°C. Insol. water; miscible alcohol, ether. Uses—as solvent; separation of mineral mixtures.

Aceto Chem Co, 82 Beaver St, N Y 5
Braun Corp, 2260 E 15 St, Los Angeles 21, Cal
*Dow Chem Co, Midland, Mich
*Fine Organics, 211 E 19 St, N Y 3

ACETYLENE TETRACHLORIDE (Acetosol, Boroform, Cellon, Tetrachloroethane)

$CHCl_2CHCl_2$. M.W. 167.85. Colorless liq. Sp. gr. 1.60 (20°/4°C). Lbs./gal. 13.29. M.P. —43.8°C. B.P. 146.3°C. V.D. (15°C) lbs./cu. ft. 0.443. Latent Heat of Vap., B.T.U./lb. 99.11. S.H., cal./kg.°C or B.T.U./lb./°F. 0.269 (20°C). Sol. Alcohol, ether; insol. water. Uses—mfr. intermediates, organic chemicals, paint and varnish removers, acetate varnishes, photographical films; denaturing alcohol; solvent for shellac, gum, camphor, sulfur, phosphorus, the halogens, oils, cellulose acetate, resins; degreasing metals prior to electroplating; in enameling; in insecticides. Grades—tech.

Barclay Chem Co, 75 Varick St, N Y
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Republic Chem Corp, 94 Beekman St, N Y 38

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RC≡CH. Colorless gases and liq. Sol. most organic solvents. Uses—organic synthesis; plastics; fuels.

*Farchan Research Labs, 609 E 127 St, Cleveland 8, Ohio

ACETYLENOGEN see Calcium Carbide

ACETYLITH see Calcium Carbide

ACID 1:2:4 (1—Amino—2—Naphthol—4—Sulfonic Acid)

$C_{10}H_9NO_4S$. Pinkish-white needles. Sol. hot water. Uses—analyzing phosphates and calcium; mfr. aniline dyes. Grades—tech.

*Superior Chem Works, 2538 Garland Ave, Louisville, Ky

ACID, ABIETIC (Abietinic Acid)

$C_{20}H_{30}O_2$. M.W. 302.23. Yellowish-brown powd. M.P. 161°C. Sol. alcohol, benzene, ether, acetone, glacial acetic acid, carbon bisulfide; insol. water. Uses—mfr. metal resinates, varnish dryers; to assist growth of lactic and butyric acid ferments.

American Firstoline Corp, 420 Lexington Ave, N Y
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Bios Labs, 17 W 60 St, N Y 23
*Gen Mills, Chem Div, 400 2 Ave S, Minneapolis Minn
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20
Rimco Trading Corp, 3001 Netherland Ave, N Y 63
*West Va Pulp & Paper Co, 230 Park Ave, N Y 17

ACID, ACETIC (Vinegar Acid, Ethanoic Acid, Methanecarboxylic Acid)

CH_3COOH. Colorless liq. of pungent odor. Sp. gr. 1.049 (25°C). M.P. 16.7°C. B.P. 118.1°C. Sol. water, alcohol and ether. Uses—mfr. metallic acetates, acetyl organic derivatives, intermediates, esters, pharmaceuticals, azo dyes, methyl violet, matches, printing inks, artificial leather, aeroplane lacquers, white lead, copper pigments, varnishes, polishes, moving picture films, cellulose acetates, phenolformaldehyde resins, rayon, printing pastes; as curing agent; insecticide ingredient; in coagulating rubber latex; assst in dyeing wool and silk; in engraving; as resin solvent; electroplating reagent; in medicine. Grades—commercial dilute 6%, 28%, 30%, 36%, 56%, 60%, 70%; 80%; pure; tech. 80%; glacial 99.5%; U.S.P. glacial.

*Company classifies itself as manufacturer or producer of this product

American-British Chem Supplies, 180 Madison Ave, N Y
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
Anderson Trading Corp, 66 Beaver St, N Y 44
Arnold, Hoffman & Co, 55 Canal St, Providence, R I
Ashcraft-Wilkinson Co, 601 Trust Co of Ga Bldg, Atlanta 3, Ga
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Braun Corp, 2260 E 15 St, Los Angeles 21, Cal
F M Browning Co, 150 Broadway, N Y 38
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Cascade Chem Co, 3217 17 Ave W, Seattle, Wash
*Celanese Corp of America, 180 Madison Ave, N Y 16
Chematar Inc, Exchange Pl, N Y 5
Chem Mfg Co, 21 West St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
John A Chew, 60 E 42 St, N Y 17
*Cliffs Dow Chem Co, Wright St, Marquette, Mich
C B Coburn Co, 63 Market St, Lowell, Mass
*Crossett Chem Co, Crossett, Ark
David & Co, 140 Market St, Paterson 1, N J
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Duso Chem Co, Fulton St, Poughkeepsie, N Y
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Eccleston Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Elbert & Co, 2 Broadway, N Y
B R Elk Co, 193 Palisade Ave, Garfield, N J
European Chem Co, 366 Broadway, N Y 13
Faesy & Besthoff, 325 Spring St, N Y 13
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Wm S Gray & Co, 342 Madison Ave, N Y 17
Hachik Bleach Co, 50 & Wynnefield Ave, Phila, Pa
Harshaw Chem Co, 1945 E 97 St, Cleveland 6, Ohio
Harwick Chem, First National Bank Bldg, Butler, Mo
Harwick Standard Chem Co, 80 S Seiberling St, Akron, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Hummel Chem Co, 90 West St, N Y 6
Philip A Hunt Co, Palisades Park, N J
Innis, Speiden & Co, 117 Liberty St, N Y 6
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L J & M La Place, Leliarts Lane, E Paterson, N J
A Lee Co, Box 898, Lawrence, Mass
Legion Chem, 70 Wall St, N Y 5
Legrand Chem Corp, 103-50 St, Bklyn 32, N Y
*Lewis Co, 232 Canal St, N Y 13
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
Maas Chem Co, 4570 Ardine St, S Gate, Cal
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
George Mann & Co, 251 Fox Point Blvd, Providence, R I
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
Monarch Chem Works, 22 & Ave H, Omaha, Neb
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Overseas Enterprises, 25 Beaver St, N Y
Chas Page & Co, 50 E 42 St, N Y 17
Philipp Bros Chem, 37 Wall St, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Prime Products Corp, 62 William St, N Y 5
*Publicker Industries, 1429 Walnut St, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Ritter Chem Co, 403 W Main St, Amsterdam, N Y
Riverside Chem Co, 871 River Rd, N Tonawanda, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
F H Ross & Co, 1649 W Morehead St, Charlotte 1, N C
Scher Bros, 519 Getty Ave, Clifton, N J
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Scholle Chem Corp, 6641 Ridge Ave, Chicago 26, Ill
Seaboard Industries, 195 Keen St, Paterson, N J
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Shawinigan Products Corp, 350 5 Ave, N Y 1
*Shawinigan Resins Corp, 644 Monsanto Ave, Springfield 2, Mass
Shepard Chem Corp, 117 Liberty St, N Y 6
*Sherwin-Williams Co, 100 Park Ave, N Y 17
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
George F Smith, 60 E 42 St, N Y 17
J U Starkweather Co, 241 Allens Ave, Providence, R I
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Tennessee Eastman Co, 10 E 40 St, N Y
*Tennessee Products & Chem Corp, First Amer National Bank Bldg, Nashville, Tenn
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*U S Industrial Chem, 60 E 42 St, N Y
Van Waters & Rogers, 4000 1 Ave S, Seattle, Wash
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
Menki Zimmer, Box 5, Fresh Meadows Sta, Flushing, N Y

ACID, b-ACETOPROPIONIC see Acid, Levulinic

ACID, ACETYLENEDICARBOXYLIC

HOOC·C≡C·COOH. M.W. 114.06. White crystalline solid. Sol. water, alcohol, ether. Uses—organic syntheses, pharmaceuticals, plastics.

*Farchan Research Labs, 609 E 127 St, Cleveland 8, Ohio
*Riverdale Chem Co, 324 E 147 St, Harvey, Ill

ACID, ACETYLSALYCYLIC (Acetosal, Acetosalic Acid, Aspirin, Acetophen, o-Acetoxybenzoic Acid, Salacetin, Vaxa)

$CH_3CO_2C_6H_4CO_2H$. White cryst. B.P. 132-135°C. Sol. alcohol, ether; sl. water. Grades—tech.; U.S.P. Uses—in pharmaceuticals; as a preservative.

J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Chem Service Corp, 82 Beaver St, N Y 5
De Bear Inc, 636 11 Ave, N Y
*Desmo Chem Corp, 565 5 Ave, N Y 17
*Dow Chem Co, Midland, Mich
European Chem Co, 366 Broadway, N Y 13
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
Legion Chem, 70 Wall St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7 Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
George Uhe Co, 76 9 Ave, N Y 14
O J Weeks Co, 16 Hudson St, N Y 13

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ACID, ACETYLTANNIC (Diacetyltannic Acid, Fannyl Acetate, Acetannin, Tannigen)

Yellowish or grayish-white, odorless powd.; darkens on light exposure. Sl. sol. water, alcohol; sol. ethyl acetate. Uses—mild astringent. Grades—U.S.P.XI.

*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C, 1, N Y
*Conray Products Co, 510 6 Ave, N Y 11
*Lamex Chem Corp, 25 Broadway, N Y 4
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*Polychem Co, 494 Hunts Point Ave, N Y 59
*Quaker Oats Co, 341 Merchandise Mart Plaza, Chicago 54, Ill

ACID, ACONITIC

$CH(COOH)=C(COOH)CH_2COOH$. M.W. 174.11. White to sl. yellowish cryst. M.P. 180°C (with decomp.). Sol. in water. Uses—chemical intermediate, antioxidant, in plastics.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*American Chem Service, P O Box 702, Hammond, Ind
*Bios Labs, 17 W 60 St, N Y 23
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y

ACID, ADIPIC (Butane Dicarboxylic Acid, Adipinic Acid, Hexandioic Acid, Adipuric Acid)

$C_6H_{10}O_4$. M.W. 146.11. Colorless or yellowish cryst. M.P. 153°C. B.P. 265°C. Sl. sol. in water; sol. alcohol or ether. Mfr. oxidation of C_6H_{12} or by treatment of oleic acid and other fats with nitric acid. Uses—plasticizer; for synth. resins and other syntheses.

American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Chem Mfg Co, 21 West St, N Y
Chem Mfg Sales Co, 2967 S LaSalle St, Chicago, Ill
Cosmetic Mfg Supply Co, 2967 S LaSalle St, Chicago, Ill
*E I Du Pont de Nemours & Co, Polychem Dept, Wilmington 98, Del
Elbert & Co, 2 Broadway, N Y
Chas Page & Co, 50 E 42 St, N Y 17
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

ACID, ADIPINIC see Acid, Adipic

ACID, ADIPURIC see Acid, Adipic

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ACID, ALIZARINIC see Acid, Phthalic

ACID, ALKANE SULFONIC (Mixed)

Elbert & Co, 2 Broadway, N Y
*Indoil Chem Co, 910 S Michigan Ave, Chicago 80, Ill
*Ultra Chem Works, 2 Wood St, Paterson 4, N J

ACID, ALLOMALIC see Acid, Fumaric

ACID, AMBER see Acid, Succinic

ACID, AMINOACETIC (Glycocoll, Glycine)

$CH_2(NH_2).COOH$. M.W. 75.05. Colorless, sweet cryst. M.P. 233°C. Sol. water; sl. sol. alcohol; insol. ether. Uses—mfr. varnishes; in medicine. Photographic glycine is not the aminoacetic acid but paraoxy-phenyl glycine phenyl amino-amino acetic acid.

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Benzol Products Co, 237 South St, Newark 25, N J
*Edward S Burke, 65 Pine St, N Y
*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
Conray Products, 510 6 Ave, N Y 11
*Dow Chem Co, Midland, Mich
Gane & Ingram, 43 W 16 St, N Y 11
Gen Biochem, 7 Laboratory Park, Chagrin Falls, Ohio
Lamex Chem Corp, 25 Broadway, N Y 4
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 6, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Pfanstiehl Chem Co, 104 Lakeview Ave, Waukegan, Ill
*Polychem Co, 494 Hunts Point Ave, N Y 59
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

ACID, p-AMINOBENZENESULFONIC see Acid, Sulfanilic

ACID, p-AMINOBENZOIC ETHYLESTER see Ethyl p-Aminobenzoate

ACID, p-AMINOBENZOIC

$C_6H_4.NH_2.COOH$ (1:4). M.W. 137.10. Pale-yellow cryst. needles; acidulous, bitter taste. Sol. easily in alcohol, ether and in boiling water. M.P. 187°C. Uses—mfr. various esters and azo dyes.

Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
*Conray Products Co, 510 6 Ave, N Y 11
Fallek Products Co, 163 Broadway, N Y 6
*Gane's Chem Works, 677 5 Ave, N Y 22
*Gane & Ingram, 43 W 16 St, N Y 11
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
*Lamex Chem Corp, 25 Broadway, N Y 4
*B L Lemke & Co, 199 Main St, Lodi, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Penray Corp, 340 Canal St, N Y 13
*Polychem Co, 494 Hunts Point Ave, N Y 59
*Purecaine Inc, Hockessin, Del
*Seydel Chem Co, 225 Mercer St, Jersey City 2, N J
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y

ACID, a-AMINO-b-p-HYDROXYPHENYL-PROPIONIC see Tyrosine

ACID, a-AMINO-p-IMINAZOLYLPROPION-IC see Histidine Monohydrochloride

ACID, a-AMINO-ISOCAPROIC see Leucine

ACID, 1-AMINONAPHTHALENE-4-SUL-FONIC see Acid, Naphthionic

ACID, 1-AMINO-8-NAPTHOL-2:4 DI-SULFONIC see Acid, Chicago

ACID, 1-AMINO-8 NAPHTHOL-6 DISUL-FONIC see Acid, H

ACID, 1-AMINO-2-NAPHTHOL-4-SULFON-IC see Acid 1:2:4

ACID, AMINONAPHTHOLSULFONIC 1:-8:4 see Acid, S

ACID, AMINONAPHTHOL SULFONIC 2:-8:6 see Acid, Gamma

ACID, 2-AMINO-5-NAPHTHOL-7-SULFON-IC see Acid, J

ACID, p-AMINOPHENYLARSENIC see Acid, Arsanilic

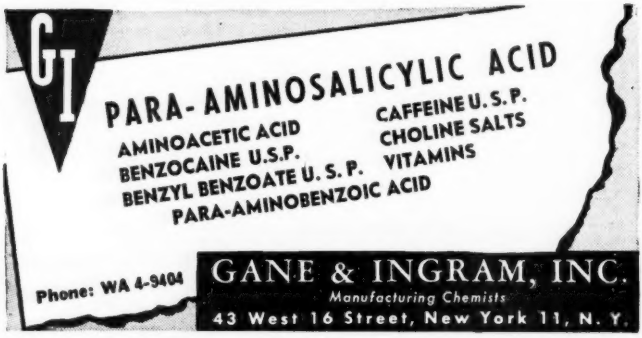
ACID, AMINO PROPIONIC

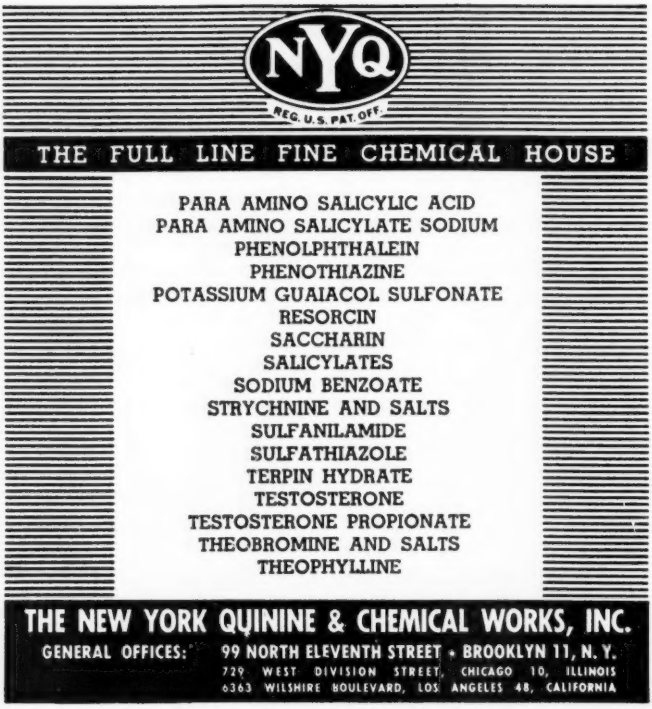
$CH_3CH(NH_2).COOH$. M.W. 89.06. M.P. 297°C. White cryst. material. Uses—in medicine, buffers, synthesis. Grades—C.P.

*Bios Labs, 17 W 60 St, N Y 23
*Dow Chem Co, Midland, Mich
*B F Goodrich Chem Co, 2060 E 9 St, Cleveland 15, Ohio

*Company classifies itself as manufacturer or producer of this product







ACID, p-AMINO SALICYLIC
$C_6H_3COOH(OH)(NH_2)$. M.W. 153.13 Crystalline powd. M.P. 220°C with decomp. Sol. water, alcohol; sl. sol. ether.

Philipp Bauer Co, 2 W 47 St, N Y
J H Bauminger, 421 7 Ave, N Y
Bell Chem Co, 25 W 44 St, N Y 18
*Bios Labs, 17 W 60 St, N Y 23
*Calco Chem Div, Bound Brook, N J
Conray Products, 510 6 Ave, N Y 11
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
*Desmo Chem Corp, 565 5 Ave, N Y 17
European Chem Co, 366 Broadway, N Y 13
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Gane & Ingram, 43 W 16 St, N Y 11
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Industrial Raw Materials Corp, 575 Madison Ave, N Y 22
Keto Chem Co, 40-33 23 St, L I C 1, N Y
Lack Chem Co, 19 Park Pl, N Y 7
*Lamex Chem Corp, 25 Broadway, N Y 4
Philip J Lo Bue Co, 230 Park Ave, N Y 17
McKesson & Robbins, 155 E 44 St, N Y 17
Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Nepera International Corp, 37 Wall St, N Y 5
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Penray Corp, 340 Canal St, N Y 13
*Polychem Co, 494 Hunts Point Ave, N Y 59
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
Red Star Chem Co, 40-33 23 St, L I C 1, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Tennessee Eastman Co, 10 E 40 St, N Y
Tuteur Bio-Chem, 60 Wall St, N Y 5
George Uhe Co, 76 9 Ave, N Y 14
Wilson Export & Import Corp, 35 Water St, N Y 4

Acid, l-AMINOSUCCINAMIC see **Asparagine**

ACID, AMMONIUM CARBONATE see **Ammonium Bicarbonate**

ACID, AMMONIUM TETRABORATE see **Ammonium Borate**

ACID, ANILID see **Acid, Arsanilic**

ACID p-ANILINESULFONIC see **Acid, Sulfanilic**

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*Company classifies itself as manufacturer or producer of this product

ACID, ANISIC (Methoxy-benzoic Acid, Umbellic Acid, Dragonic Acid, Methyl-p-Oxy-benzoic Acid)

$C_8H_8O_3$. M.W. 152.1. Colorless cryst. M.P. 184°C. B.P. 275°C. Sl. sol. water, sol. alcohol, ether. Uses—aromatic; as an antiseptic; in medicine.

*Bios Labs, 17 W 60 St, N Y 23
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

ACID, ANTHRANILIC (Acid, O-amino Benzoic)

$(NH_2)C_6H_4(COOH)$. M.W. 137.06. Yellow cryst. M.P. 144°C. Sol. water, alcohol, ether. Uses—mfr. pharmaceuticals, thiosalicylic acid, azo dyes, indigo, vat dyes, methyl anthranilate, drugs, perfumes. Grades—96-98%; 99% or better.

Barclay Chem Co, 75 Varick St, N Y
*Carwin Co, Stiles Lane, N Haven, Conn
Ciba Co, 627 Greenwich St, N Y 14
*Dow Chem Co, Midland, Mich
*Maumee Development Co, 1852 N Westwood, Toledo, Ohio
McKesson & Robbins, 155 E 44 St, N Y 17
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Thomasset Colors, 338 Wilson Ave, Newark 5, N J

ACID, ANTHRAQUINONIC see Alizarin

ACID, ANTIMONOUS (Anhydrous) see Antimony Oxide

ACID, APPLE see Acid, Malic

ACID, ARSANILIC (Atoxylic or p-Aminophenylarsenic Acid, Acid, Anilid)

$C_6H_8.NH_2.AsO(OH)_2$. White crystalline powd. M.P. 232°C. Sl. sol. alcohol, cold water, sol. hot water, amylic alcohol, ether, solutions of alkali carbonates, dilute mineral acids; insol. acetone. Uses—mfr. arsenicals. Grades—medicinal; tech.

*Bios Labs, 17 W 60 St, N Y 23
*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
Lamex Chem Corp, 25 Broadway, N Y 4
*Polychem Co, 494 Hunts Point Ave, N Y 59

ACID, ARSENIC (Arsenic Pentoxide, o-Arsenic Acid)

H_3AsO_4. $1/2H_2O$. Colorless cryst. Sp. gr. 2-2.5°C. M.P. 35.5°C. B.P. 160°C. Sol. water; sl. sol. alcohol. Uses—mfr. arsenates, insecticidal compositions, glass; assist in dyeing and calico printing. Very poisonous. Grades—various as to purity.

American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
Chem Mfg Co, 21 West St, N Y
Harry Dixon & Sons, 250 Park Ave, N Y 17
European Chem Co, 366 Broadway, N Y 13
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
*Sherwin-Williams Co, 100 Park Ave, N Y 17
George F Smith, 60 E 42 St, N Y 17

ACID, ARSENIOUS see Arsenic White

ACID, ASCORBIC

New York Quinine & Chem Wks Inc, 99 N 11 St, Bklyn 11, N Y

ACID, ASPARTIC

$H_2NCH(COOH)CH_2COOH$. M.W. 133.1. White crystalline powd Sol. in acids, alkalies. Uses—intermediate in organic synthesis.

*Bios Labs, 17 W 60 St, N Y 23
Gen Biochem, 7 Laboratory Park, Chagrin Falls, Ohio
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
*National Aniline Div, 40 Rector St, N Y 6
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y

ACID, AZELAIC

$COOH(CH_2)_7COOH$. M.W. 188. Solid flaked light tan material. Sol. hot water, alcohol, ether. Uses—in mfr. of plasticizers, resins, salts, perfumes and other organic chemicals.

*Bios Labs, 17 W 60 St, N Y 23
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio

ACID, AZOTIC see Acid, Nitric

ACID, BARBITURIC (Malonyl Urea, Pyrimidinetrione)

$CO(NHCO)_2$ CH_2H_2O. White cryst. Decomp. on heating. Sol. water, alcohol, ether. Uses—mfr. pharmaceuticals, plastics; stabilizer for H_2O_2. Grades—tech.

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
*Gane's Chem Works, 677 5 Ave, N Y 22
*Gane & Ingram, 43 W 16 St, N Y 11
Chas L Hulsking & Co, 45 Clinton St, Bklyn 5, N Y
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Sumner Chem Co, 6 E 45 St, N Y 17
George Uhe Co, 76 9 Ave, N Y 14

ACID, BATTERY see Acid, Sulfuric

ACID, BAYER'S see Acid, Monosulfonic F

ACID, BENZENECARBOXYLIC see Acid, Benzoic

ACID, o-BENZENE-DICARBOXYLIC see Acid, Phthalic

ACID, BENZENE SULFONIC

$C_6H_6O_3$ $S.1\frac{1}{2}H_2O_1$. M.W. 185.2. Colorless leaflets. M.P. 65°C. B.P. 135°C. Sol. water, alcohol; insol. ether. Uses—intermediate in mfr. dyestuffs, etc.

*Barrett Div, 40 Rector St, N Y 6
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Republic Chem Corp, 94 Beekman St, N Y 38
*Sloss-Sheffield Steel & Iron Co, 3131 1 Ave, N Birmingham 2, Ala
*Ultra Chem Works, 2 Wood St, Paterson 4, N J

ACID, BENZILIC (Diphenylglycollic Acid)

$(C_6H_5)_2C(OH)COOH$. M.W. 228.13. Small white monoclinic cryst. with satiny luster. Very sol. alcohol, ether, boiling water; sl. sol. in cold water. Uses—in chemical synthesis.

*Bios Labs, 17 W 60 St, N Y 23
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Polychem Co, 494 Hunts Point Ave, N Y 59

ACID, BENZOIC (Phenylformic Acid, Benzenecarboxylic Acid)

C_6H_5COOH. Needle cryst. or white scales, benzoin odor. Sp. gr. 1.2659. M.P. 121.25°C. B.P. 249.2°C. Sol. alcohol, ether; sl. sol. water. U.S.P. Uses—mfr. benzoates, derivatives, pharmaceuticals, aniline blue, aniline dyes, anthraquinone dyes, toilet preps. alkyl benzoates, perfume bases; as food perservative; mordant in calico printing; curing tobacco; in medicine. Grades—U.S.P.; C.P.; tech.

MONSANTO
BENZOIC ACID

Grades: U.S.P., assay 99.5% min. (dry basis); Technical, assay 99.0% min.

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Organic Chemicals Division
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RIBOFLAVIN
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THIAMINE MONONITRATE
VITAMIN A SYNTHETIC
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*Company classifies itself as manufacturer or producer of this product

Adams-Henry Chem Co, 32 Broadway, N Y 4
Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American-British Chem Supplies, 180 Madison Ave, N Y
Ashcraft-Wilkinson Co, 601 Trust Co of Ga Bldg, Atlanta 3, Ga
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Edward S Burke, 65 Pine St, N Y
*Cadet Chem Corp, 205 Chicago St, Buffalo 5, N Y
Carus Chem Co, Box 364, La Salle, Ill
Chem Mfg Co, 21 West St, N Y
Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
John A Chew, 60 E 42 St, N Y 17
Conray Products, 510 6 Ave, N Y 11
Elbert & Co, 2 Broadway, N Y
European Chem Co, 366 Broadway, N Y 13
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Harshaw Chem Co, 1945 E 97 St, Cleveland 6, Ohio
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Hummel Chem Co, 90 West St, N Y 6
Innis, Speiden & Co, 117 Liberty St, N Y 6
Lack Chem Co, 19 Park Pl, N Y 7
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Chas Page & Co, 50 E 42 St, N Y 17
Penray Corp, 340 Canal St, N Y 13
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Seydel Chem Co, 225 Mercer St, Jersey City 2, N J
Tuteur Bio-Chem, 60 Wall St, N Y 5
George Uhe Co, 76 9 Ave, N Y 14
C J Weeks Co, 16 Hudson St, N Y 13

ACID, BOLETIO see Acid, Fumaric

ACID, BORACIC see Acid, Boric

ACID, o-BORIC see Acid, Boric

ACID, BORIC (Acid, Boracic, Acid o-Boric, Fumarole Acid)

H_3BO_3. White cryst. or powd. Sp. gr. 1.4347. M.P. 184°C. Sol. water, alcohol. Uses—mfr. borates, water glass, boric esters, intermediates, optical glass, ceramic glaze, starch glaze for linen, artificial precious stones, shellac hat stiffeners, paint driers, green pigments, enamels, cosmetics, soaps, fireproofing fabrics; as food preservative; curing meats; impregnating candle wicks; dressing leather; for preparing hides; decorating iron and steel; as flux, brazing copper; fire-proofing agent for safes; finishing paper; mordant in dyeing and printing; wine preservative; buffer in electroplating; in medicine. Grades—U.S.P.; C.P.; tech.; cryst. powd.; impalpable powd. (99.5%-100%).

*American Potash & Chem Corp, 122 E 42 St, N Y 17
Arnold, Hoffman & Co, 55 Canal St, Providence, R I
Ashcraft-Wilkinson Co, 601 Trust Co of Ga Bldg, Atlanta 3, Ga
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
F M Browning Co, 150 Broadway, N Y 38
Carnegie Chem Mfg Co, 6363 Wilshire Blvd, Los Angeles 48, Cal
Chem Mfg Co, 21 West St, N Y
Chem Mfg Sales Co, 2967 S LaSalle St, Chicago, Ill
John A Chew, 60 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
Croton Chem Corp, 114 Liberty St, N Y 6
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Elbert & Co, 2 Broadway, N Y
Faesy & Besthoff, 325 Spring St, N Y 13
Gauge & Devin, 7 Front St, San Francisco 11, Cal
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Harshaw Chem Co, 1945 E 97 St, Cleveland 6, Ohio
Harwick Chem, First National Bank Bldg, Butler, Mo
Abner Hood Chem Co, 507 N Montgall Ave, Kansas City 1, Mo
Hummel Chem Co, 90 West St, N Y 6
Innis, Speiden & Co, 117 Liberty St, N Y 6
E & F King & Co, 640 Pleasant St, Norwood, Mass
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
L J & M La Place, Leliarts Lane, E Paterson, N J
Legion Chem, 70 Wall St, N Y 5
*Lewis Co, 232 Canal St, N Y 13
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
George Mann & Co, 251 Fox Point Blvd, Providence, R I
McKesson & Robbins, 155 E 44 St, N Y 17
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
Merchants Chem Co, 60 E 42 St, N Y 17
Merchants Products Corp, Margaret & Pearce Sts, Phila 37, Pa
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*Pacific Coast Borax Co, 100 Park Ave, N Y 17
Philipp Bros Chem, 37 Wall St, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Prior Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Ritter Chem Co, 403 W Main St, Amsterdam, N Y
Riverside Chem Co, 861 River Rd, N Tonawanda, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
F H Ross & Co, 1649 W Morehead St, Charlotte 1, N C
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Seaboard Industries, 195 Keen St, Paterson, N J
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
J U Starkweather Co, 241 Allens Ave, Providence, R I
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Sterling Borax Co, P O Box 317, New Brighton, Pa
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Jos Turner & Co, Ridgefield, N J
George Uhe Co, 76 9 Ave, N Y 14

ACID, BOROFLUOHYDRIC see Acid, Fluoboric

ACID, BROENNER'S (Acid, Naphthylamine—Sulfonic 2:6 (1))

$C_{10}H_6NH_2SO_3H.H_2O$. M.W. 241.15. Colorless needles. Sol. boiling water. Uses—mfr. dyestuffs. Grades—tech.

*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, S I, N Y
*Ciba Co, 627 Greenwich St, N Y 14
Republic Chem Corp, 94 Beekman St, N Y 38
*Sherwin-Williams Co, 100 Park Ave, N Y 17

ACID, BROMOACETIC

$BrCH_2COOH$. M.W. 139. White to pale yellow, deliq. crystalline solid. Very sol. common organic solvents. Uses—organic syntheses.

Smith Chem & Color Co, 55 John St, Bklyn 1, N Y

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636 California St., San Francisco 8, Calif.
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Powdered
Anhydrous Boric Acid

Borax
Borax 5 Mol.
Anhydrous Borax
Borax Glass
Ammonium Biborate
Ammonium Pentaborate
Potassium Pentaborate
Sodium Metaborate
*Anhydrous Rasorite
*Rasorite Special Concentrates
*Fertilizer Borates
(Regular and High Grade)

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*Borascu 44
*Concentrated Borascu
Polybor
Polybor Chlorate 88

*Sodium Borate Concentrates which offer economical sources of Sodium Borate for special applications.

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ACID, BUTANE DICARBOXYLIC see Acid, Adipic

ACID, BUTANEDIOIC see Acid, Succinic

ACID, BUTANOIC see Acid, Butyric

ACID, BUTENDILIC see Acid, Fumaric

ACID, BUTENDIOIC see Acid, Maleic

ACID, a-BUTENIC see Acid, Crotonic

ACID, n-BUTYL PHOSPHATE

ACID, BUTYL PYROPHOSPHATE

ACID, BUTYRIC (Acid, Ethylacetic, Acid, Butanoic, Acid, Propylformic)

$CH_3(CH_2)_2CO_2H$. M.P. 3.12°C. Colorless, oily, liq. rancid odor. Sp. gr. 0.960 (15°C). B.P. 163.5°C. Sol. water, alcohol, ether. Uses—mfr. esters and salts, essences, butter, varnishes, synth. perfumes; cellulose esters; butyrates; flavors; ketones; as flavoring agent; disinfectant; deliming hides, tanning agent. Grades—pure, 99%.

*American Quinine Co, 15 William St, N Y
J T Baker Chem Co, Phillipsburg, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Polak & Schwartz, 667 Washington St, N Y 14
*Tennessee Eastman Co, 10 E 40 St, N Y
* U S Industrial Chem, 60 E 42 St, N Y

ACID, CACODYLIC (Dimethyl Arsinic Acid, Kakodylic Acid)

$AsO(CH_3)_2OH$. M.W. 138.03. Colorless, odorless, sl. sour cryst. Hygroscopic in moist air. M.P. 200°C. Uses—medicine; organic synthesis; mfr. of dyes.

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
*Edcan Labs, 10-20 Pine St, S Norwalk, Conn
*Lamex Chem Corp, 25 Broadway, N Y 4
*Polychem Co, 494 Hunts Point Ave, N Y 59
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

ACID, CALCIUM PHOSPHATE see Calcium Phosphate (Monobasic)

ACID, CAMPHORIC

$C_8H_{14}(COOH)_2$. M.W. 200.18. Colorless, odorless cryst. Sol. water, fats, oils; insol. chloroform. Uses—medicine; mfr. celluloid and similar plastics.

Philipp Bauer Co, 2 W 47 St, N Y
*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
Conray Products, 510 6 Ave, N Y 11
*Fallek Products Co, 163 Broadway, N Y 6
*Fine Organics, 211 E 19 St, N Y 3
*Kermac Chem Co, Ellicott City, Md
*Lamex Chem Corp, 25 Broadway, N Y 4
Mathe Chem Co, 169 Milbank St, Lodi, N J
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*Polychem Co, 494 Hunts Point Ave, N Y 59
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

ACID, CAMPHORSULFONIC

$C_{10}H_{16}O_4S$. M.W. 232. White powd. Sol. water, M.P. 200-202°C. Uses—medicinal.

ACID, CAMPHORSULFONIC, continued

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
*Conray Products, 510 6 Ave, N Y 11
Fallek Products Co, 163 Broadway, N Y 6
*Fine Organics, 211 E 19 St, N Y 3
*Hexagon Labs, 3536 Paartree Ave, Bronx 60, N Y
*Lamex Chem Corp, 25 Broadway, N Y 4
Mathe Chem Co, 169 Milbank St, Lodi, N J
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*Polychem Co, 494 Hunts Point Ave, N Y 59

ACID, CAPRIC (Decanoic Acid, Decatoic Acid, Decoic Acid, Decylic Acid)

$CH_3(CH_2)_8COOH$. White cryst.; unpleasant odor. Sp. gr. 0.886. B.P. 268-270°C. M.P. 31.5°C. Refractive Index 1.42855 at 40°C. Sol. most organic solvents dilute nitric acid; insol. water. Uses—mfr. of esters for perfumes and fruit flavors. Grades—tech.

Amplex Chem Co, 60 Wall St, N Y
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Bios Labs, 17 W 60 St, N Y 23
*E F Drew & Co, 15 E 26 St, N Y 10
*A Gross & Co, 295 Madison Ave, N Y
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Lever Bros Co, 80 Varick St, N Y 13
Polak & Schwartz, 667 Washington St, N Y 14
Welch, Holme & Clark Co, 439 West St, N Y 14

ACID, n-CAPROIC (Hexanoic Acid)

$C_6H_{12}O_2$. M.W. 116.16. Colorless, oily, liq. of characteristic odor. B.P. 205.1°C. Sol. most organic solvents, sl. sol. in water. Uses—mfr. perfumes, flavors, and essential oils; mfr. rubber chemicals, varnish driers, and resins, and for prep. certain medicinals. Grades—reagent.

Amplex Chem Co, 60 Wall St, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich
*E F Drew & Co, 15 E 26 St, N Y 10
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Polak & Schwartz, 667 Washington St, N Y 14

ACID, CAPRYLIC (Hexylacetic Acid, Octanoic Acid, Octoic Acid, Octylic Acid, Octic Acid)

$CH_3(CH_2)_6COOH$. Colorless liq.; crystallizing below 17°C. Sp. gr. 0.9185. B.P. 235-237°C. Refractive Index 1.4285 at 30°C. Sol. water, alcohol, ether. Uses—syntheses of various dyes, drugs and perfumes. Grades—tech.

Amplex Chem Co, 60 Wall St, N Y
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Bios Labs, 17 W 60 St, N Y 23
*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
*E F Drew & Co, 15 E 26 St, N Y 10
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*A Gross & Co, 295 Madison Ave, N Y
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
*Lever Bros Co, 80 Varick St, N Y 13
Welch, Holme & Clark Co, 439 West St, N Y 14

ACID, CARBAZOTIC see Acid, Picric

ACID, CARBONIC see Carbon Dioxide

ACID, CARBOXYLIC see Cinchophen

ACID, CARBOXYLIC (Anhydride) see Phenolphthalein

ACID, CARBOLIC, CRYSTALS, see Phenol

MONOCHLOROACETIC ACID

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FOR LISTINGS OF OTHER PRODUCTS SEE AD IN CO. DIRECTORY SECTION

ACID, CARMINIC

$C_{23}H_{20}O_{13}$. M.W. 482.00. Dark reddish-brown or bright red powd. Uses—biological stain; reagent for aluminum; pH indicator—pH range 4.8 (yellow) to 6.2 (purple).

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa
*National Aniline Div, 40 Rector St, N Y 6

ACID, CASSELLA F see Acid, Monosulfonic F

ACID, CETYLACETIC see Acid, Stearic

ACID, CETYLIC see Acid, Palmitic

ACID, CHICAGO (Acid, SS. Acid, I—Amino—8—Naphthol—2:4 Disulfonic)

$C_{10}H_4(NH_2)(OH)(SO_3H)_2$ 1:8:2:4. Gray paste. Sol. water. Uses—mfr. azo dyes. Grades—tech; paste (25% min.).

Wilson Export & Import Corp, 35 Water St, N Y 4

ACID, CHLOROACETIC, DI

(Bichloracetic Acid, Caroxy-Methyl Chloride)

$CHClCOOH$. M.W. 128.93. Colorless liq., pungent odor. Sp. gr. 1.560 (25°C). B.P. 194°C. M.P.—4°C. Uses—in organic synthesis; in medicine.

American Firstoline Corp, 420 Lexington Ave, N Y
Conray Products, 510 6 Ave, N Y 11
*Dow Chem Co, Midland, Mich

ACID, CHLOROACETIC, MONO

$CH_2ClCOOH$. M.W. 94.48. Deliq., colorless cryst. Sp. gr. 1.40 (62°C). M.P. 61.2°C. B.P. 189.5°C. Uses—mfr. intermediates, dyes; in organic synthesis; in medicine. Caution: handle carefully.

Aceto Chem Co, 82 Beaver St, N Y 5
Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American Firstoline Corp, 420 Lexington Ave, N Y
Ciba Co, 627 Greenwich St, N Y 14
Conray Products, 510 6 Ave, N Y 11
*Dow Chem Co, Midland, Mich
Fallek Products Co, 163 Broadway, N Y 6
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
International Selling Corp, 70 Pine St, N Y 5
George Mann & Co, 251 Fox Point Blvd, Providence, R I
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Shawinigan Products Corp, 350 5 Ave, N Y 1
*Stauffer Chem Co, 420 Lexington Ave, N Y 17

ACID CACODYLIC C. P.
IRON CACODYLATE N. F. IX
SODIUM CACODYLATE N. F. IX
SODIUM METHYL ARSENATE
(French Codex)

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ACID, CHLOROACETIC, TRI

Cl_3CCOOH. Deliq. cryst., suffocating odor. Sp. gr. 1.6298. M.P. 57°C. B.P. 195°C. Sol. water, alcohol, ether. Uses—mfr. intermediates, organic chemicals; as laboratory reagent; in medicine. Grades—tech.; USP.; C.P.

Aceto Chem Co, 82 Beaver St, N Y 5
Conray Products, 510 6 Ave, N Y 11
*Dow Chem Co, Midland, Mich
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6

ACID, o-CHLOROBENZOIC

ClC_6H_4COOH. M.W. 156.50. Colorless monoclinic. Dens. 1.544 @ 20°C. M.P. 142°C. B.P. sublimes. Sol. water, alcohol, ether.

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

ACID, p-CHLOROBENZOIC

ClC_6H_4COOH. M.W. 156.50. Colorless triclinic. Dens. 1.541 @ 25°C. M.P. 243°C. B.P. sublimes. Sol. alcohol, ether; sl. sol. water.

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

ACID, CHLOROHYDRIC see Acid, Muriatic

ACID, p-CHLOROPHENOXYACETIC

$ClC_6H_4OCH_2COOH$. M.W. 186.59. Colorless crystalline needles. M.P. 147°C. Sl. sol. warm water; sol. alcohol, ether.

*Dow Chem Co, Midland, Mich

ACID, a-CHLOROPROPIONIC

$CH_3.CHCl.CO_2H$. Colorless liq. M.P. less than —20°C. B.P. 186. Miscible water, alcohol, ether.

*Dow Chem Co, Midland, Mich

ACID, CHLOROSULFONIC (Sulfuric Chlorohydrin)

SO_2ClOH. M.W. 116.52. Brown, oily, corrosive, fuming liq. Sp. gr. 1.784. B.P. 151.5°C. Sol. water, alcohol. Uses—mfr. intermediates, rosaniline, alizarin, puperine, organic chemicals, synth. drugs, saccharine, military poison gas. Grades—tech. (93-95%).

American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington 98, Del
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo

ACID, CHLOROSULFURIC see Sulfuryl Chloride

ACID, CHOLIC (Cholalic Acid)

$C_{24}S_{40}O_5$. M.W. 408.32. Monobasic acid formed by hydrolysis of bile acids. White cryst. powd. M.P. 199°C. Insol. water; sol. alcohol or ether. Uses—cholagogue, cathartic.

*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
*Drug Labs, 408 N 3 St, Phila 23, Pa
Fallek Products Co, 163 Broadway, N Y 6
*Gane & Ingram, 43 W 16 St, N Y 11
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

ACID, CHROMIC (Chromic Anhydride, Chromium Trioxide)

CrO_3. Reddish-brown, deliq. cryst. Sp. gr. 2.67-2.82. M.P. 196°C. Sol. water, ether. Uses—mfr. chromates, chrome dyestuffs, electric batteries, colored glass, printing and lithographic inks; as mordant in dyeing and printing textiles; laboratory reagent; oxidizing agent; in chrome plating; process engraving; anodizing aluminum; medicine. Grades—U.S.P.; tech. (99.5-99.75%).

American Firstoline Corp, 420 Lexington Ave, N Y
Amplex Chem Co, 60 Wall St, N Y
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
J H Bauminger, 421 7 Ave, N Y
*Better Finishes & Coatings, 268 Doremus Ave, Newark 5, N J
F M Browning Co, 150 Broadway, N Y 38
Chematar Inc, Exchange Pl, N Y 5
Chem Mfg Co, 21 West St, N Y
John A Chew, 60 E 42 St, N Y 17
Cole Labs, 42-25 9 St, L I C 1, N Y
Conn Metalcraft, 442 Elm St, New Haven 2, Conn
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Donald Sales & Mfg Co, 6601 W State St, Milwaukee 13, Wis
Duso Chem Co, Fulton St, Poughkeepsie, N Y
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Elbert & Co, 2 Broadway, N Y
Faesy & Besthoff, 325 Spring St, N Y 13
*Fiber Chem Corp, Box 218, Matawan, N J
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Harshaw Chem Co, 1945 E 97 St, Cleveland 6, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Hummel Chem Co, 90 West St, N Y 6
International Selling Corp, 70 Pine St, N Y 5
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
L Kruger & Co, 75 West St, N Y
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
L J & M La Place, Lellarts Lane, E Paterson, N J
*Lewis Co, 232 Canal St, N Y 13
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
Merchants Chem Co, 60 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
*Mutual Chem Co of America, 270 Madison Ave, N Y 16
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Chas Page & Co, 50 E 42 St, N Y 17
Philipp Bros Chem, 37 Wall St, N Y
*Phillips & Jacobs, 620-22 Race St, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Riverside Chem Co, 871 River Rd, N Tonawanda, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
F H Ross & Co, 1649 W Morehead St, Charlotte 1, N C
Schmitz-Schoenwaldt-Turner Co, 20 Vesey St, N Y 7
Seaboard Industries, 195 Keen St, Paterson, N J
Shepard Chem Corp, 117 Liberty St, N Y 6
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
George F Smith, 60 E 42 St, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Jos Turner & Co, Ridgefield, N J
George Uhe Co, 76 9 Ave, N Y 14
United Sterling Corp, 37 E 28 St, N Y

ACID, CHROMOTROPIC (Acid, 1:8 Dihydroxynaphthalene—3:6 Disulfonic)

$C_{10}H_4(OH)_2(SO_3H)_2$ 1:8:3:6. Brown paste. Sol water. Uses—mfr. azo dyes. Grades—tech.; paste (50 % min.).

Barclay Chem Co, 75 Varick St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Ciba Co, 627 Greenwich St, N Y 14
*Matheson Co, Paragon Div, E Rutherford, N J
*Zinsser & Co, Railroad Ave, Hastings-On-Hudson, N Y

CHROMIC ACID

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94 Beekman Street, New York 38

Cable Address: Jaynivrad

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ACID, CINNAMIC

$C_9H_8O_2$. M.W. 148.11. Colorless monoclinic scales. M.P. 133°C. B.P. 300°C. Sl. sol. water; sol. alcohol, ether. Uses—organic synthesis; in perfumery; as a fixative and a stabilizer in soaps.

J T Baker Chem Co, Phillipsburg, N J
Benzol Products Co, 237 South St, Newark 25, N J
*Edward S Burke, 65 Pine St, N Y
Dodge & Olcott, 180 Varick St, N Y 14
*Dominion Products, 10-40 44 Dr, L I C 1, N Y
P R Dreyer, 113 W 19 St, N Y
*Givaudan-Delawanna, 330 W 42 St, N Y 18
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*Nukem Products Corp, 111 Colgate Ave, Buffalo 20, N Y
Polak & Schwartz, 667 Washington St, N Y 14
Schmitz-Schoenwaldt-Turner Co, 20 Vesey St, N Y 7
Verona Chem Co, 26 Verona Ave, Newark, N J

ACID, CITRACONIC

$C_5H_6O_4$. M.W. 130.1. White crystalline solid.

*Bios Labs, 17 W 60 St, N Y 23
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y

ACID, CITRIC (Acid, Hydroxytricarballyic, 2-Hydroxy-1, 2, 3,-Propane Tricarboxylic Acid

$C_3H_4(OH)(COOH)_3H_2O$. Colorless cryst. or white powd., odorless. Natural. Sp. gr. 1.542. M.P. 153°C. Decomp. at 175°C. Sol. water, alcohol, ether. Uses—mfr. citrates, flavoring extracts, confectionery, soft drinks, sweet-meats; as silvering agent; ink ingredient; in engraving; resist in dyeing and calico printing; in medicine. Grades—U.S.P.; cryst.; powd.; C.P.

American-British Chem Supplies, 180 Madison Ave, N Y
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
J H Bauminger, 421 7 Ave, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
F M Browning Co, 150 Broadway, N Y 38
Carnegie Chem Mfg Co, 6363 Wilshire Blvd, Los Angeles 48, Cal
Chem Mfg Co, 21 West St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
Conray Products, 510 6 Ave, N Y 11
Consumers Products Co, 99 Hudson St, N Y 13
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Dyechem Products Corp, 60 Broad St, N Y 4
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Elbert & Co, 2 Broadway, N Y
European Chem Co, 366 Broadway, N Y 13
B G Feinberg, 112 W 44 St, N Y 18
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
L J & M La Place, Leliarts Lane, E Paterson, N J
Legion Chem, 70 Wall St, N Y 5
Legion Export & Import Co, 261 W 15 St, N Y 11
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
Merchants Chem Co, 60 E 42 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
Mutchler Chem Co, 258 Broadway, N Y 7
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Overseas Enterprises, 25 Beaver St, N Y
Chas Page & Co, 50 E 42 St, N Y 17
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Philipp Bros Chem, 37 Wall St, N Y
Prentiss Drug & Chem Co, 110 William St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
Riverside Chem Co, 871 River Rd, N Tonawanda, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenwaldt-Turner Co, 20 Vesey St, N Y 7
Seaboard Industries, 195 Keen St, Paterson, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
*F H Taussig Chem, 175 W 76 St, N Y 23
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill
Torre Products Co, 52-54 Wooster St, N Y 13
George Uhe Co, 76 9 Ave, N Y 14
United Sterling Corp, 37 E 28 St, N Y 13
O J Weeks Co, 16 Hudson St, N Y 13
Menki Zimmer, Box 5, Fresh Meadows Sta, Flushing, N Y

ACID, CLEVE'S (1:6 and 1:7 Naphthylaminesulfonic Acid)

$C_{10}H_6NH_2SO_3H$. Colorless needles. Sl. sol. water. Uses—mfr. intermediates, diazo, azo dyes. Grades—tech.

*Alltex Rubber & Chem Co, 400 W 219 St, N Y 34
*Koppers Co, 350 5 Ave, N Y

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ACID, o-CRESOTINIC

$C_6H_3(CH_3).(OH).COOH$. M.W. 152. Nearly white, crystalline material, resembling salicylic acid in appearance. B.P. sublimes. Sol. in most organic solvents; sl. sol. water. M.P. 163.0-165.0°C. Uses—as a dye intermediate.

Citka Co, 627 Greenwich St, N Y 14
*Dow Chem Co, Midland, Mich
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
George Mann & Co, 251 Fox Point Blvd, Providence, R I

ACID, CRESYLIC Mixture of Ortho, Meta and Para Cresols; (Cresyl; p-Cresylol; Methyl Phenol)

$CH_3C_6H_4OH$. Straw to brown-red colored liq., phenolic odor. Sp. gr. 1.015 to 1.045. M.P. 80°C. B.P. 185-230°C. Sol. water, ammonia, glycerine, caustic soda, petroleum spirit. Uses—mfr. cresols, disinfectants, sheep dips, flotation, synth. resins; in medicine; gasoline gum inhibitor, mfr. lubricating oils. Grades —95% dark; 87-99% straw; 95-97% decolorized. Tar acid % min. 97%; distillation range °F., 383-455; water, % max. 0.5%; phenol min. %, oil and napthaline, max., %, 5%.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American-British Chem Supplies, 180 Madison Ave, N Y
*American Chem Service, P O Box 702, Hammond, Ind
American Firstoline Corp, 420 Lexington Ave, N Y
*Atlantic Refining Co, 260 S Broad St, Phila, Pa
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
Philipp Bauer Co, 2 W 47 St, N Y
*Calco Chem Div, Bound Brook, N J
Chematar Inc, Exchange Pl, N Y 5
Chem Mfg Co, 21 West St, N Y
Chem Mfg Sales Co, 2967 S LaSalle St, Chicago, Ill
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
Coaltar Chem Corp, 420 Lexington Ave, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
Concord Chem Co, Moorestown, N J
T G Cooper & Co, 2400 E Venango St, Phila 34, Pa
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
Elbert & Co, 2 Broadway, N Y
Fallek Products Co, 163 Broadway, N Y 6
Frank G Fanning, 50 E 42 St, N Y 17
A W Hardy & Co, 141 Broadway, N Y 6
Hummel Chem Co, 90 West St, N Y 6
*Indoil Chem Co, 910 S Michigan Ave, Chicago 80, Ill
Industrial Raw Materials Corp, 575 Madison Ave, N Y 22
Kingston Chem Co, 1° William St, N Y 5
*Merichem Co, 3151 Fannin St, Houston 4, Tex

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Concord Chemical Company

MOORESTOWN, N. J.
Telephone: Moorestown 9-1100
Cable Address: "Conchem"

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Mutchler Chem Co, 258 Broadway, N Y 7
Wm D Neuberg Co, 420 Lexington Ave, N Y 17
*Dronite Chem Co, 38 Sansome St, San Francisco, Cal
Chas Page & Co, 50 E 42 St, N Y 17
Philipp Bros Chem, 37 Wall St, N Y
*Productol Co, 417 S Hill St, Los Angeles 13, Cal
Reilly Tar & Chem Corp, 1615 Merchant Bank Bldg, Indianapolis 4, Ind
Reinhart Chem Corp, 405 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Riverside Chem Co, 871 River Rd, N Tonawanda, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Scher Bros, 519 Getty Ave, Clifton, N J
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
*Shell Oil Co, 50 W 50 St, N Y 20
*Smead & Small, 1630 Hanna Bldg, Cleveland 15, Ohio
George F Smith, 60 E 42 St, N Y 17
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
Tar Residuals, 420 Lexington Ave, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*U S Steel Corp, Coal Chem Sales Div, 525 Wm Penn Pl, Pittsburgh 30, Pa
United Sterling Corp, 37 E 28 St, N Y
Universal Chem Co, 30 Huntington Ave, Boston, Mass

ACID, CROTONIC (1-Carboxy-propylene, a-Butenic Acid, Transcrotonic Acid)

$CH_3CH:CH.COOH$. Colorless cryst. Alpha, Sp. gr. 0.973. M.P. 72°C. B.P. 185°C. Sol. water. Beta, Sp. gr. 1.031. M.P. 15.5°C. Decomp. at 170°C. Uses—mfr. esters, resins; to prevent sedimentation and gelatinization of naphthenate, linoleate, and resinate driers in volatile organic solvents.

American-British Chem Supplies, 180 Madison Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Tennessee Eastman Co, 10 E 40 St, N Y

ACID, CYANHYDRIC see Acid, Hydrocyanic

ACID, CYANOACETIC (Cyanoethanoic Acid, Malonic Mononitrile)

$CNCH_2COOH$. M.W. 85.06. White cryst. M.P. 145-146°C.

*American-British Chem Supplies, 180 Madison Ave, N Y
*Dow Chem Co, Midland, Mich
Fisher Chem Co, 60 E 42 St, N Y 17
*Kay-Fries Chem, 180 Madison Ave N Y 16

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ACID, CYANOETHANOIC see Acid, Cyanoacetic

ACID, DECANE DICARBOXYLIC see Acid, Sebacic

ACID, DECANOIC see Acid, Capric

ACID, DECOIC see Acid, Capric

ACID, DECYLIC see Acid, Capric

ACID, DEHYDROACETIC (Methylacetopyronone, 3-Acetyl-6-Methyl-2,4-Pyrandione)

$CH_3COCHCOCH:C(CH_3)OCO$. M.W. 168. White, colorless, rhombic scales. M.P. 108.5°C. B.P. 269.9°C. Sol. alcohol, ether. Compatible with nitrocellulose, polystyrene, methacrylate, vinylite resins. Uses—intermediate in chemical synthesis, plasticizer.

*Bios Labs, 17 W 60 St, N Y 23
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
*Dow Chem Co, Midland, Mich

ACID, DEHYDROCHOLIC

$C_{24}H_{34}O_5$. M.W. 402.31. A split product of cholic acid, obtained by treatment with nitric acid.

Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
*Gane & Ingram, 43 W 16 St, N Y 11
R W Greeff & Co, 10 Rockefeller Plaza N Y 20
*Hexagon Labs, 3536 Peartree Ave, Bronx 60 N Y
McKesson & Robbins, 155 E 44 St, N Y 17
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenwaldt-Turner Co, 20 Vesey St, N Y 7
*Silas & Co, 3117 W Venice Blvd, Los Angeles 19 Cal
Tuteur Bio-Chem, 60 Wall St, N Y 5
*Wilson Labs, 4221 S Western Ave, Chicago 9 Ill

ACID, DELTA see Acid, Monosulfonic F

ACID, DEXTRONIC see Acid, Gluconic

ACID, DIALLYLBARBITURIC (Dial)

$C_{10}H_{12}O_3N_2$. M.W. 208.2. White, cryst. powd. Colorless, shining scales. M.P. 171°C. Sl. sol. water; sol. alcohol, ether. Uses—medicinally as a hypnotic and sedative.

American Firstoline Corp, 420 Lexington Ave, N Y
American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Conray Products, 510 6 Ave, N Y 11
*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
*Dow Chem Co, Midland, Mich
*Fallek Products Co, 163 Broadway, N Y 6
*Gane's Chem Works, 677 5 Ave, N Y 22
*Gane & Ingram, 43 W 16 St, N Y 11
*Lamex Chem Corp, 25 Broadway, N Y 4
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

ACID, 2,4-DIHYDROXY BENZOIC see Acid, b-Resorcylic

ACID, 2,4-DICHLOROBENZOIC

$Cl_2C_6H_3COOH$. M.W. 191. Needles. Sol. ethyl ether, chloroform, benzene, hot water. Sublimes. Uses—synthesis of dyes, pharmaceuticals, other organic chemicals.

J M Baird Co, 147 Nassau St, N Y
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

ACID, 3,4-DICHLOROBENZOIC

$Cl_2C_6H_3.CO_2H$. M.W. 191. Colorless needles. Very sol. alcohol; sol. hot water.

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

ACID, DIETHYLACETIC see Acid, 2-Ethyl Butyric

ACID, DIGALLIC see Acid, Tannic

ACID, 2,4-DICHLOROPHENOXYACETIC

$C_6H_3(OCH_2COOH)(Cl)_2$-1,2,4. M.W. 221. White to pale yellow crystalline powd. Sol. acetone, ether, methanol; very sl. sol. enzene, carbon tetrachloride, n-heptane, water. Uses—formulating weed killing compounds.

Chapman Chem Co, 707 Dermon Bldg, Memphis, Tenn
Cole Labs, 42-25 9 St, L I C 1, N Y
*E I Du Pont de Nemours & Co, Inc, Grasselli Chem Dept, Wilmington, Del
Fassy & Besthoff, 325 Spring St, N Y 13
*Kolker Chem Works, 80 Lister Ave, Newark 5, N J
Mich Chem Corp, 500 N Bankson St, St Louis, Mich
Miller Chem & Fertilizer Corp, 1000 S Caroline St, Baltimore 31, Md
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Montrose Chem Co, 120 Lister Ave, Newark 5, N J
Mutchler Chem Co, 258 Broadway, N Y 7
*Pittsburgh Coke & Chem Co, 1905 Grant Bldg, Pittsburgh 30, Pa
John Powell & Co, 1 Park Ave, N Y 16
*Riverdale Chem Co, 324 E 147 St, Harvey, Ill
Ben P Steele Co, 342 Madison Ave, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Thompson Horticultural Chem Corp, 3600 Monon St, Los Angeles 27, Cal

ACID, DIGLYCOLIC

$HOOCCH_2OCH_2COOH$. M.W. 134.09. White crystalline solid. M.W. 148°C. Sol. water, lower alcohol, acetone, dioxane. Uses—mfr. of alkyd resins, plasticizers, laminating resins; in metal cleaning baths; masking agent for chrome liquors in leather tanning.

*E I Du Pont de Nemours & Co, Polychemicals Dept, Wilmington, Del

ACID, DIPHENYL ACETIC

$C_{14}H_{12}O_2$. M.W. 212.17. Colorless needles. M.P. 148. Sol. hot water, alcohol, ether.

*American-British Chem Supplies, 180 Madison Ave, N Y
Benzol Products Co, 237 South St, Newark 25, N J
*Edward S Burke, 65 Pine St, N Y
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
*Kay-Fries Chem, 180 Madison Ave, N Y 16

ACID, DIHYDROXY-BUTANEDIOIC see Acid, Tartaric

ACID, 1:8 DIHYDROXYNAPHTHALENE-3:6 DISULFONIC see Acid, Chromotropic

ACID, DIHYDROXYSUCCINIC see Acid, Tartaric

ACID, DIPHENYLGLYCOLLIC see Acid, Benzilic

ACID, DIPPING see Acid, Sulfuric

ACID, ELAIDIC see Acid, Oleic

ACID, DRAGONIC see Acid, Anisic

ACID, ETHALIC see Acid, Palmitic

ACID, ETHANDIOIC see Acid, Oxalic

ACID, ETHANOIC see Acid, Acetic

ACID, ETHYLACETIC see Acid, Butyric

ACID, 2-ETHYL BUTYRIC (Diethylacetic Acid)

$C_6H_{12}O_2$. M.W. 116.16. Colorless liq. B.P. 194.0°C. Sp. gr. 0.917-0.922 (20°C). Uses—synthesis of esters for use as plasticizers; intermediate in mfr. drugs, dyestuffs, and special chemicals. Grades—reagent.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

ACID, ETHYLENE DICARBOXYLIC see Acid, Maleic

ACID, ETHYLENE DIAMINE TETRACETIC

$(HOOCCH_2)_4N_2(CH_2)_2$. M.W. 292. White crystalline powd. Sl. sol. water. Uses—complexing agent for alkali earths and heavy metals.

*Airose Chem Co, 180 Mill St, Cranston 5, R I
*Bios Labs, 17 W 60 St, N Y 23
City Chem Corp, 132 W 22 St, N Y 11
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal

ACID, 2-ETHYLHEXOIC

$C_8H_{16}O_2$. M.W. 144.20. Colorless liq. of mild odor. B.P. 226.9°C. Sp. gr. 0.904-0.909 at 20°C. Sol. in most organic solvents. Uses—mfr. plasticizers, detergents, emulsifying agents and in formulation of varnish-driers. Grades—reagent.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y

ACID, ETHYLENEDICARBOXYLIC see Acid, Succinic

ACID, ETHYLENESUCCINIC see Acid, Succinic

ACID, ETHYLIDENELACTIC see Acid, Lactic

ACID, F see Acid, Monosulfonic F

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ACID, FLUOBORIC (Borofluohydric Acid)
HBF_4. M.W. 87.33. Clorless liq. Sol. water, alcohol. Grades—42% solution.
American Firstoline Corp, 420 Lexington Ave, N Y
*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Harshaw Chem Co, 1945 E 97 St, Cleveland 6, Ohio

ACID, FLUORHYDRIC see Acid, Hydrofluoric

ACID, FLUOSILICIC see Acid, Hydrofluosilicic

ACID, FLUOSULFONIC
HSO_3F. M.W. 100.06. Oily liq.; fumes in moist air. Uses—alkylation catalyst; in prep. of boron trifluoride, alkali salts of fluosulfonic acid, aromatic sulfonyl fluorides and of alkyl fluosulfonates.
*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6

ACID, FOLIC
A probable B-vitamin. Present in animal tissues and green leaves. Important in yeast nutrition.
American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Calco Chem Div, Bound Brook, N J
*Polychem Co, 494 Hunts Point Ave, N Y 59
Tuteur Bio-Chem, 60 Wall St, N Y 5

ACID, FORMIC (Acid, Hydrogen Carboxylic, Acid, Methanoic)
HCOOH. Colorless liq., pungent odor. Sp. gr. 1.2178. M.P. 8.3°C. B.P. 100.8°C. Sol. water, alcohol, glycerin, ether. Uses—mfr. formates, organic esters, oxalic acid, aromatic formates; silvering agent; deliming agent; preserving hides; mordant in dyeing and printing textiles; fermentation assist; in electro-plating; in medicine. Grades—tech.; U.S.P.; also various strengths in solution.
American-British Chem Supplies, 180 Madison Ave, N Y
American Quinine Co, 15 William St, N Y
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y

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Arsenic, Crystal	Iodic	Picric
Arsenious	Lactic	Pyrogallic
Benzoic	Molybdic	Salicylic
Boric	Monochloracetic	Silicic
Carbolic	Nitric (C. P.)	Silico-Tungstic
Chloroplatinic	Nitric, Fuming	Succinic
Chromic	Nitric, Red Fuming	Sulfanilic
Fluoboric	Oxalic	Sulfuric (C. P.)
Fluosulfonic	Perchloric	Sulfuric, Fuming
Formic, 98-100%	Phosphomolybdic	Sulfurous
Hydriodic	Phosphoric, Meta	Tannic, Light
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Carnegie Chem Mfg Co, 6363 Wilshire Blvd, Los Angeles 48 Cal
Chematar Inc, Exchange Pl, N Y 5
Chem Mfg Co, 21 West St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
David & Co, 140 Market St, Paterson 1, N J
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington 98, Del
Dyechem Products Corp, 60 Broad St, N Y 4
Eibert & Co, 2 Broadway, N Y
Faesy & Besthoff, 325 Spring St, N Y 13
B G Feinberg, 112 W 44 St, N Y 18
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Harwick Chem, First National Bank Bldg, Butler, Mo
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Hummel Chem Co, 90 West St, N Y 6
Innis, Speiden & Co, 117 Liberty St, N Y 6
Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Lellarts Lane, E Paterson, N J
A Lee Co, Box 898, Lawrence, Mass
Legion Chem, 70 Wall St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7 Mo
George Mann & Co, 251 Fox Point Blvd, Providence R I
Merchants Chem Co, 60 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Chas Page & Co, 50 E 42 St, N Y 17
Philipp Bros Chem, 37 Wall St, N Y
Prior Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Riverside Chem Co, 871 River Rd, N Tonawanda, N Y
F H Ross & Co, 1649 W Morehead St, Charlotte 1, N C
Scher Bros, 519 Getty Ave, Clifton, N J
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Seaboard Industries, 195 Keen St, Paterson, N J
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
H D Sheldon & Co, 104 5 Ave, N Y
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
J U Starkweather Co, 241 Allens Ave, Providence, R I
Sterone Corp, 250 W 57 St, N Y 19
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
Wollen Chem & Supply Co, 126 8 Ave, Paterson, N J
Menki Zimmer, Box 5, Fresh Meadows Sta, Flushing, N Y

ACID, FUMARIC (Acid, Allomalic, Acid Boletic, Acid, Butendioic, Acid, Lichenic)

$HC(COOH)_2CH$. M.W. 116.03. Colorless small prisms. Sp. gr. 1.635. M.P. 286-287°C. Sublimes over 200°C. Sol. alcohol, hot water, ether. Uses—mfr. intermediates, organic chemicals; as mordant in dyeing textiles. Grades—cryst.; tech.

J M Baird Co, 147 Nassau St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Chematar Inc, Exchange Pl, N Y 5
*National Aniline Div, 40 Rector St, N Y 6
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y

ACID, FUMAROLE see Acid, Broic

ACID, FUMING SULFURIC see Oleum

ACID, FUROIC (Acid, Pyromucic)

C_4H_3OCOOH. M.W. 112.03. Light gray solid which forms white cryst. from hot water. M.P. 131-3°C. Acidity 99.0-99.5%. Sol. in most common organic solvents; very sol. in hot (90°C) water. Uses—prep. of furan, halogenated furoic acid, halogenated furans, bactericides, and fungicides. Grades—tech.

*Bios Labs, 17 W 60 St, N Y 23
*Quaker Oats Co, 341 Merchandise Mart Plaza, Chicago 54, Ill

ACID, GALLIC (Acid, Trioxybenzoic, Acid, Trihydroxybenzoic)

$C_6H_2(OH)_3CO_2H.H_2O$. 3:4:5. Colorless or sl. yellow cryst., needles or prisms. Sp. gr. 1.694. M.P. 222-240°C. with decomposition. Sol. alcohol, sl. sol. water, ether. Uses—mfr. gallates, pyrogallol, alizarine, thioflavine and gallo-cyanine dyes, writing inks; medicine; as photographic developer; mordant in dyeing; in engraving; tanning. Grades—U.S.P.; tech.

Aceto Chem Co, 82 Beaver St, N Y 5
J T Baker Chem Co, Phillipsburg, N J
Chem Advance Corp, 1345 Arch St, Phila, Pa
Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C, 1, N Y
Hawkins Chem Co, 3100 Hennepin Ave, Minneapolis 13, Minn
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Prentiss Drug & Chem Co, 110 William St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
George Uhe Co, 76 9 Ave, N Y 14
United Sterling Corp, 37 E 28 St, N Y
*Zinsser & Co, Railroad Ave, Hastings-On-Hudson, N Y

ACID, GALLOTANNIC see Acid, Tannic

ACID, GAMMA (G Acid, Aminonaphthol Sulfonic Acid, 2:8:6)

$C_{10}H_5(OH)(NH_2)(SO_3H)$. White cryst. Sl. sol. water. Sol. ether, alcohol. Uses—mfr. azo dyes. Grades—tech.

Antara Products Div, 435 Hudson St, N Y 14
J M Baird Co, 147 Nassau St, N Y
F M Browning Co, 150 Broadway, N Y 38
Chematar Inc, Exchange Pl, N Y 5
Fallek Products Co, 163 Broadway, N Y 6
Fisher Chem Co, 60 E 42 St, N Y 17
L & R Organic Products Co, 50 White St, N Y 13
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
Wilson Export & Import Corp, 35 Water St, N Y 4

ACID, GENTISIC (2,4-Dihydroxybenzoic Acid)

$(OH)_2C_6H_3COOH$. M.W. 154.12. Crystalline needles. M.P. 199-200°C. Sol. water, alcohol, ether; insol. carbon disulfide, chloroform, benzene.

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
Conray Products, 510 6 Ave, N Y 11
*Desmo Chem Corp, 565 5 Ave, N Y 17
Faesy & Besthoff, 325 Spring St, N Y 13
*Fallek Products Co, 163 Broadway, N Y 6
*Fisher Chem Co, 60 E 42 St, N Y 17
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
Keto Chem Co, 40-33 23 St, L I C 1, N Y
Lamex Chem Corp, 25 Broadway, N Y 4
Mayco Chem Co, 5 Union Sq W, N Y 3
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St. Louis 4, Mo
*Nepera International Corp, 37 Wall St, N Y 5
*Polychem Co, 494 Hunts Point Ave, N Y 59
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y

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ACID, GLUCONIC (Acid, Dextronic)

$C_6H_{12}O_7$. M.W. 196.09. Syrup. Sol. water; insol. alcohol. Uses—in medicine, tanning; ingredient of metal polishes. Grades—C.P.; tech.

J M Baird Co, 147 Nassau St, N Y
Bonewitz Chem, P O Box 560, Burlington, Iowa
Conray Products, 510 6 Ave, N Y 11
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y

ACID, GLUTAMIC (Aminoglutaric, or n-Amino Pyrotartaric Acid)

$COOH.CH_2CH_2CH(NH_2)COOH$. M.W. 147.11. White, crystalline powd. Flat taste, peculiar after-taste. Sol. alkalies and dilute acids; sl. sol. water, alcohol, benzene, ether. M.P. 202-203°C.

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
Gane & Ingram, 43 W 16 St, N Y 11
*Gen Mills, Special Commodities Div, 400 2 Ave S, Minneapolis 1, Minn
Int Min & Chem Corp, 20 N Wacker Dr, Chicago 6, Ill
B L Lemke & Co, 199 Main St, Lodi, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*North Metal & Chem Co, 638 E Mason Ave, York, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y
George Uhe Co, 76 9 Ave, N Y 14
O J Weeks Co, 16 Hudson St, N Y 13
*Winthrop-Stearns, 1450 Broadway, N Y 18

ACID, GLUTAMIC HYDROCHLORIDE (Acidulin)

$HOOC(CH_2)_2CH(NH_2)COOH.HCl$. Vol. Wt. 183.54; white, cryst. solid; on contact with water gives off HCl. Sp. gr. 1.525. M.P. 202 to 213°C. Sol. in water. Keep dry. Uses—medicine.

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Conray Products, 510 6 Ave, N Y 11
*Fine Organics, 211 E 19 St, N Y 3
Gane & Ingram, 43 W 16 St, N Y 11
*Gen Mills, Special Commodities Div, 400 2 Ave S, Minneapolis 1, Minn
Int Min & Chem Corp, 20 N Wacker Dr, Chicago 6, Ill
B L Lemke & Co, 199 Main St, Lodi, N J
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y
George Uhe Co, 76 9 Ave, N Y 14

ACID, GLUTARIC (n-Pyrotartaric Acid)

$COOHCH_2.CH_2.CH_2COOH$. M.W. 132.09. Colorless, odorless cryst.

*Bios Labs, 17 W 60 St, N Y 23
*Chem Development Corp, Endicott St, Denver, Mass
*Eastern Chem Corp, 34 Spring St, Newark 2, N Y
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y

ACID, GLYCERIC

$C_3H_6O_4$; M.W. 106.1. Colorless syrup-like liquid. Sol. in water, alcohol or ether. Occurs in two stereoisomeric forms as d-and l-acid. Useful in investigation of muscle physiology.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Smith-NY Co, 61 Hampton Pl, Freeport, N Y

ACID, GLYCEROPHOSPHORIC

$C_3H_5(OH)_2OPO_3H_2$. M.W. 172.09. Colorless oily liq. M.P.—20°C. Dibasic acid occuring as oily liq. and constituent of lecithins and nerve tissues. Uses—mfr. derivatives; in medicinal preps. Cont.—45 lb. carboys; 5 lb. bottles.

*Bios Labs, 17 W 60 St, N Y 23
City Chem Corp, 132 W 22 St, N Y 11
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo

ACID, GLYCOLIC

$CH_2OHCOOH$. Colorless cryst. M.P. 78° to 79°C. Sol. water, alcohol, ether. Uses—starting point in mfr. of the menthol and quinine esters of glycolic acid; dyeing cotton fabrics with aniline black; substitute for tartaric acid in printing of cotton fabrics. Grades—tech. Cont.—kegs.

Barclay Chem Co, 75 Varick St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Bonewitz Chem, P O Box 560, Burlington, Iowa
E I Du Pont de Nemours & Co, Polychemicals Dept, Wilmington, Del
*Matheson Co, Paragon Div, E Rutherford, N J
*Neatsfoot Oil Refineries Corp, E Ontario & Bath Sts, Phila 34, Pa

ACID, GLYCOLIC PHENYL ETHER see Acid, Phenoxy Acetic

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Hydrogen Chloride, Anhydrous

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ACID, H (1—Amino—8 Naphthol—3:6 Disulfonic Acid)

$C_{10}H_4(OH)(NH_2)(SO_3H)_2$. 1:8:3:6. Gray powd. Sol. water, alcohol, ether. Uses—mfr. azo dyes. Grades—tech. (80-85%). Cont.—bbls. (300, 350, 385 lbs.). Tariff, 7c + 40%.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Chematar Inc, Exchange Pl, N Y 5
Fallek Products Co, 163 Broadway, N Y 6
Kingston Chem Co, 15 William St, N Y 5
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*National Aniline Div, 40 Rector St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38

ACID, HEXADECYLIC see Acid, Palmitic

ACID, HEXAHYDROBENZOIC see Acid, Naphthenic

ACID, HEXANDIOIC see Acid, Adipic

ACID, HEXANOIC see Acid, n-Caproic

ACID, HEXYLACETIC see Acid, Caprylic

ACID, HYDRIODIC (Hydrogen Iodide)

HI. M.W. 127.93. Fuming liq. Sp. gr. 4.3737. M.P. —50.8°C. B.P. —35.5°C. Sol. water. Uses—mfr. iodides, intermediates, pharmaceuticals, dyes, perfumes; as general disinfectant; laboratory reagent; in medicine. Grades—U.S.P. (10% solution); tech. 49 deg. Baume.

*American Quinine Co, 15 William St, N Y
J T Baker Chem Co, Phillipsburg, N J
*Kingston Chem Co, 15 William St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

ACID, HYDROBROMIC (Hydrogen Bromide)

HBr. M. W. 80.92. Colorless or sl. yellow fuming liq. Sp. gr. 2.71 (gas). M.P. —86°C. B.P. —67.0°C. Miscible water, alcohol. Uses—mfr. bromides, intermediates, dyes, perfumes, pharmaceuticals; as laboratory reagent; in photography; medicine. Grades—tech. 48%, 40%, dilute (10%) solutions; U.S.P.; C. P.

J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Ciba Co, 627 Greenwich St, N Y 14
*Dow Chem Co, Midland, Mich
*Great Lakes Chem Corp, Filer City, Mich
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

ACID, HYDROCHLORIC see Acid, Muriatic

ACID, HYDROCYANIC (Acid, Prussic, Acid, Cyanhydric, Hydrogen Cyanide, Formonitrile, HCN)

HCN. M.W. 27.02. Colorless, very volatile liq., bitter almond odor. Sp. gr. 0.9483. M.P. —14°C. B.P. 26.1°C. Sol. water, alcohol, ether. Uses—mfr. intermediates; as disinfectant for soils, plants, fruit and citrus trees, tobacco and stored grains; disinfectant in food plants; in fumigation of buildings; as laboratory reagent; in medicine. Grades—tech; 10% and 5% sol.; U.S.P. (2%).

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

ACID, HYDROFLUORIC (Acid, Fluorhydric, Hydrogen Gluoride, Acid, Pthoric)

HF. M.W. 20.01. Colorless, fuming, corrosive liq. Sp. gr. 0.95 (gas). M.P. —92.3°C. B.P. 19.44°C. Sol. water. Uses—mfr. fluorides, inorganic chemicals, asbless filter paper; in etching glass; etching physical instruments; fermenting yeast; treating ceramics; purifying sugar; as laboratory reagent; electroplating reagent; antisepic in brewing. Grades—C.P.; fuming; tech.; 62%, 52%, 48%, 40%, 30%; dilute (2%).

American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Cascade Chem Co, 3217 17 Ave W, Seattle, Wash
C B Coburn Co, 63 Market St, Lowell, Mass
Commercial Chem, 614 Ellicott Square, Buffalo 3, N Y
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass

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E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector Sta, N Y 6
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Harshaw Chem Co, 1945 E 97 St, Cleveland 6, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Lewis Co, 232 Canal St, N Y 13
Lindsay Light & Chem Co, 258 Ann St, W Chicago, Ill
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Riverside Chem Co, 871 River Rd, N Tonawanda, N Y
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Welch, Holme & Clark Co, 439 West St, N Y 14

ACID, HYDROFLUOSILICIC (Sand Acid, Hydrosilicofluoric Acid, Silicofluoric Acid, Fluosilicic Acid)

H_2SiF_6. Transparent, colorless, fuming liq. Decomp. on heating. Sol. water. Uses—mfr. tech. paints; in treating ceramic products; electro-plating; hardening cement; cement products; gypsum; concrete; as general disinfectant; preservative wood; oil pigments. Grades—C.P.; (35%).

*American Agricultural Chem Co, 50 Church St, N Y 7
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
Braun Corp, 2260 E 15 St, Los Angeles 21, Cal
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
Dehls & Stein, 237 South St, Newark 5, N J
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Harshaw Chem Co, 1945 E 97 St, Cleveland 6, Ohio
Philipp Bros Chem, 37 Wall St, N Y

ACID, HYDROGEN CARBOXYLIC see Acid, Formic

ACID, HYDROSILICOFLUORIC see Acid, Hydrofluosilicic

ACID, HYDROSULFURIC see Hydrogen Sulfide

ACID, o-HYDROXYBENZOIC see Acid, Salicylic

ACID, p-HYDROXYBENZOIC

OHC_6H_4COOH. M.W. 138.05. White free-flowing powd. M.P. 213°C. Sl. sol. in dilute alkaline solutions. Uses—intermediate for prep. of fungicidal esters and salts; dye intermediate.

*Carwin Co, Stiles Lane, N Haven, Conn
*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
*Goldschmidt Chem Corp, 153 Waverly Pl, N Y 14
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Inland Alkaloid Co, Tipton, Ind
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

ACID, b-HYDROXYBUTYRIC

$CH_3CHOHCH_2COOH$. M.W. 104.10. Hygroscopic syrup. B.P. 130°C at 12 mm.

*Bios Labs, 17 W 60 St, N Y 23
E & F King & Co, 640 Pleasant St, Norwood, Mass
*Matheson Co, Paragon Div, E Rutherford, N J

ACID, b-HYDROXY NAPHTHOIC (3-Hydroxy-2-Naphthoic Acid)

$C_{10}H_6OHCOOH$. Yellow rhombic leaflets. M.P. 217.5° to 219°C. Sol. alcohol and ether. Uses—dyes. Grade—tech.

*Augusta Chem Co, Box 660, Augusta, Ga
*Calco Chem Div, Bound Brook, N J
*Carwin Co, Stiles Lane, N Haven, Conn
Fallek Products Co, 163 Broadway, N Y 6
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Seaboard Industries, 195 Keen St, Paterson, N J
*Sherwin-Williams Co, 100 Park Ave, N Y 17
Silk City Chem Co, 200 Carlisle Ave, Paterson 1, N J
*Tennessee Eastman Co, 10 E 40 St, N Y

ACID, p-HYDROXYPHENYL-a-AMINOPROPIONIC see Tyrosine-l, Natural

ACID, 2-HYDROXY-1,2,3,-PROPANE TRICARBOXYLIC see Acid, Citric

ACID, a-HYDROXYPROPIONIC see Acid, Lactic

ACID, HYDROXYQUINOLINE SULFATE

Conray Products, 510 6 Ave, N Y 11
*Fisher Chem Co, 60 E 42 St, N Y 17
*Lamex Chem Corp, 25 Broadway, N Y 4
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J

ACID, HYDROXYSUCCINIC see Acid, Malic

ACID, HYDROXYTRICARBALLYLIC see Acid, Citric

ACID, IMINOTRIACETIC

*Alrose Chem Co, 180 Mill St, Cranston 5, R I

ACID, INDOLEACETIC (Indole 3-Acetic Acid)

$C_6H_4NCH_2COOH$. M.W. 175.07. White leaflets or crystalline powd. M.P. 164-5°C. Sol. alcohol, acetone, ether; very sl. sol. cold water. Uses—plant hormone.

American Roland Corp, 16 Hudson St, N Y
*Bios Labs, 17 W 60, St, N Y 23
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
Smith-N Y Co, 61 Hampton Pl, Freeport, N Y
*Winthrop-Stearns, 1450 Broadway, N Y 18

ACID, IODIC

HIO_3. M.W. 175.93. Colorless or sl. yellow cryst. or powd. Uses—as oxidizer in analysis or synthesis, in medicine.

*J T Baker Chem Co, Phillipsburg, N J
*Fairmont Chem Co, 600 Ferry St, Newark 5, N J
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

ACID, IODOACETIC (Iodoethanoic Acid)

ICH_2COOH. M.W. 185.94. White or sl. yellow cryst. M.P. 84°C. Uses—medicinal (as the sodium salt in the detection of cancer.)

*Fairmont Chem Co, 600 Ferry St, Newark 5, N J
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

ACID, ISOBUTYLFORMIC see Acid, Isovaleric

ACID, ISOBUTYRIC

$(CH_3)_2CH.COOH$. Colorless liq. B.P. 154.4 C. F.P. —47°C.; Sp. gr. 0.946-C-950 at 20/20°C. Uses—mfr. of esters for solvents, flavors, and perfume bases; as a disinfecting agent; in varnish; in deliming hides; as a tanning agent.

P R Dreyer, 113 W 19 St, N Y
*Fairmont Chem Co, 600 Ferry St, Newark 5, N J
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Polak & Schwartz, 667 Washington St, N Y 14
*Sumner Chem Co, 6 E 45 St, N Y 17

ACID, ISOVALERIC (Acid, Isobutylformic)

$CH_3CH(CH_3)CH_2COOH$. M.W. 102.08. Colorless liq. B.P. 176°C. Sp. gr. 0.931. Sl. sol. water; miscible alcohol, ether. Uses—syntheses flavors, perfumes. Cont.—bottles, carboys. See also Acid, Valeric.

American Roland Corp, 16 Hudson St, N Y
Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
*Fairmont Chem Co, 600 Ferry St, Newark 5, N J
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Polak & Schwartz, 667 Washington St, N Y 14
*Sumner Chem Co, 6 E 45 St, N Y 17
*Trubek Labs, State Hway Rt 17, E Rutherford, N J

ACID, ITACONIC

$CH_2:C(COOH)CH_2COOH$. M.W. 130. White, odorless cryst. Sol. alcohols, acetone. Uses—resins, chemical intermediate.

*Bios Labs, 17 W 60 St, N Y 23
*Industrial Service Labs, 710 W National Ave, Milwaukee 4, Wis
Smith-NY Co, 61 Hampton Pl, Freeport, N Y

ACID, J (Acid, 2—Amino—5—Naphthol—7—sulfonic)

$C_{10}H_9NO_4S$. Gray or white cryst. Sol. hot water; sl. sol. cold water. Uses—mfr. diazo dyestuffs. Grades—tech.

Antara Products Div, 435 Hudson St, N Y 14
Bendix Chem Corp, 420 Lexington Ave, N Y
F M Browning Co, 150 Broadway, N Y 38
Chematar Inc, Exchange Pl, N Y 5
*Fallek Products Co, 163 Broadway, N Y 6
Fisher Chem Co, 60 E 42 St, N Y 17
L & R Organic Products Co, 50 White St, N Y 13
*Wilson Organic Chem, P O Box 452, Sayreville, N J

ACID, KAKODYLIC see Acid, Cacodylic

ACID, KETOGLUTARIC

*Bios Labs, 17 W 60 St, N Y 23
*Eastern Chem Corp, 34 Spring St, Newark 2, N J
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y

ACID, KOCH (Acid, 1—Naphthylamine 3:6: 8 Trisulfonic)

$C_{10}H_4(NH_2)(SO_3H)_3$. 1:3:6:8. Light-colored paste. Sol. water. Uses—mfr. dyestuffs. Grades—tech.; paste (45% min.)

*Fallek Products Co, 163 Broadway, N Y 6
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
Republic Chem Corp, 94 Beekman St, N Y 38

ACID, LACTIC (Acid, Alphahydroxypropionic, Acid, Ethylidenelactic, Milk Acid)

$CH_3CHOHCOOH$. Colorless or yellowish syrupy liq. Sp. gr. 1.2485. M.P. 18°C. B.P. 119°C. Sol. water, alcohol, ether; insol. benzol, carbon bisulfide. Uses—mfr. lactates, organic esters, pharmaceuticals, bread, fruit essences, extracts, syrups, confectionery, yeast; as laboratory reagent; finishing agent; discharge in Turkey red dyeing; flux for soft solder; as assist in dyeing silks and other textiles; mordant in dyeing and calico printing; in deliming hides; vegetable tanning; bating and plumping feathers; hat dyeing; in medicine. Grades—C.P.; U.S.P. (85%); U.S.P. VIII (75%); dilute (15%); tech., 22%, 44%, 66%, 80%, light and dark.

*American Maize Products Co, 100 E 42 St, N Y 17
American Quinine Co, 15 William St, N Y
J T Baker Chem Co, Phillipsburg, N J
Bendix Chem Corp, 420 Lexington Ave, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
Chem Mfg Co, 21 West St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
*Clinton Foods, Clinton, Iowa
Dehls & Stein, 237 South St, Newark 5, N J
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Harwick Chem, First National Bank Bldg, Butler, Mo
European Chem Co, 346 Broadway, N Y 13
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20

CLINTON

LACTIC ACID
Edible and Technical Grades
METHYL LACTATE
CLINTON FOODS INC., CLINTON, IOWA

*Company classifies itself as manufacturer or producer of this product

*E Gumpert Corp, 75 West St, N Y 12
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
E & F King & Co, 640 Pleasant St, Norwood, Mass
Kingston Chem Co, 15 William St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Philipp Bros Chem, 37 Wall St, N Y
Prior Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Sheffield Farms Co, Chemurgic Div, Box 630, Norwich, N Y
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

ACID, LAURENT'S (Acid—1—Nitronaphthalene: 5—Sulfonic)

$C_{10}H_6(NO_2)(SO_3H)$. Yellow needles. Sol. water, alcohol, ether. Uses—mfr. azo dyes. Grades—tech.

Antara Products Div, 435 Hudson St, N Y 14

ACID, LAURIC (Acid, Laurinic, Acid, Laurostearic)

$C_{12}H_{24}O_2$. M.W. 200.3. Fatty acid derived from laurel. Colorless needles. M.P. 47°C. B.P. 225°C. Insol. water; sol. alcohol.

Amplex Chem Co, 60 Wall St, N Y
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
M D Craig & Co, 11 Broadway, N Y 4
*E F Drew & Co, 15 E 26 St, N Y 10
*El Dorado Oil Works, 311 California Ave, San Francisco 4, Cal
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Harwick Standard Chem Co, 60 S Seiberling St, Akron, 5, Ohio
*Vegetable Oil Products Co, 410 S Avalon Blvd, Wilmington, Cal
Welch, Holme & Clark Co, 439 West St, N Y 14
*Woburn Chem Corp, 1200 Harrison Ave, Kearny, N J

ACID, LAURINIC see Acid, Lauric

ACID, LAUROSTEARIC see Acid, Lauric

ACID, LEVULINIC (b-Acetopropionic Acid, Oxopentanoic Acid)

CH_3-CO-$(CH_2)_2$COOH. Colorless leaflets. M.P. 33°C. B.P. 245-246°C. Sp. gr. 1.137 at 24°C. Sol. water, alcohol, ether. Uses—mfr. esters, medicinals. Grades—tech. (brown liq.). 98-99% acid.

Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Chem Development Corp, Endicott St, Danvers, Mass
Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y

ACID, LICHENIC see Acid, Fumaric

ACID, LINOLEIC (Acid, Linolic, Acid, Octadecadienoic)

$C_{17}H_{31}$COOH. M.W. 280.25. Straw-colored liq. Fatty acid occurring as glyceride in all drying oils. Sp. gr. 0.905. M.P. —18°C. B.P. 230°C. Sol. alcohol, ether, chloroform, benzene; insol. water. Uses—mfr. special emulsifiers, driers and soaps.

*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Bios Labs, 17 W 60 St, N Y 23
*E F Drew & Co, 15 E 26 St, N Y 10
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
*Gen Mills, Chem Div, 400 2 Ave S, Minneapolis, Minn
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal

ACID, LINOLIC see Acid, Linoleic

ACID, MALEIC (Acid, Maleinic, Acid, Buttendioic, Ethylene Dicarboxylic Acid)

COOH(CH)$_2$COOH. M.W. 116.03. Colorless cryst. Sp. gr. 1.590. M.P. 130.5°C. B.P. 135°C—d. Sol. water, alcohol, glac. acetic acid, ether. Uses—mfr. intermediates, organic chemicals; as assistant for dyeing and printing textiles. Grades—tech.

American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
Chematar Inc, Exchange Pl, N Y 5
Chem Mfg Co, 21 West St, N Y
John A Chew, 60 E 42 St, N Y 17
Coaltar Chem Corp, 420 Lexington Ave, N Y 17
Elbert & Co, 2 Broadway, N Y
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*National Aniline Div, 40 Rector St, N Y 6
*Pfanstiehl Chem Co, 104 Lakeview Ave, Waukegan, Ill
Republic Chem Corp, 94 Beekman St, N Y 38

ACID, MALIC (Levo—Hydroxysuccinic Acid, Apple Acid, Oxyethylene-succinic Acid)

COOHCH$_2$CH(OH)COOH. M.W. 134.05. Colorless, deliq. cryst. Sp. gr. 1.595. M.P. 100°C. Decomp. at 140-150°C. Sol. water; sl sol. alcohol, ether. Uses—mfr. intermediates, salts, esters; in wine mfr. to age it by removing tartrates; pharmaceuticals; in medicine. Grades—tech., active and inactive.

American Firstoline Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
Harwick Standard Chem Co, 60 S Seiberling St, Akron, 5, Ohio
*National Aniline Div, 40 Rector St, N Y 6
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y

ACID, MALEINIC see Acid, Maleic

ACID, MALONIC (Methanedicarboxylic Acid)

$C_3H_4O_4$. M. W. 104.06. Colorless cryst., triclinic system. M.P. 135.6°C. Sol. in water, alcohol, and ether. Uses—mfr. intermediates in organic synthesis; mfr. pharmaceutical chemicals.

*Bios Labs, 17 W 60 St, N Y 23
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Var-Lac-Oid Chem Co, 116 Broad St, N Y 4

ACID, MANDELIC

$C_6H_5CH(OH)COOH$. Large transparent cryst. M.P. 118°C. Sol. ether; sl. sol. water; insol. alcohol. Uses—organic synthesis.

*Bios Labs, 17 W 60 St, N Y 23
*Calco Chem Div, Bound Brook, N J
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

ACID, MERCAPTOACETIC see Acid, Thioglycollic

ACID, MESACONIC

$C_5H_6O_4$. M.W. 130.10. White crystalline solid.

*Bios Labs, 17 W 60 St, N Y 23
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y

ACID, METHACRYLIC

CH_2:C·(CH_3)-(CO_2)H. M.W. 86. Uses—polymerization.

*Delta Chem Works, 23 W 60 St, N Y
E I Du Pont de Nemours & Co, Polychemical Dept, Wilmington, Del
*Monomer-Polymer, 511 Lancaster St, Leominster, Mass

ACID, METHANECARBOXYLIC see Acid, Acetic

ACID, METHANEDICARBOXYLIC see Acid, Malonic

ACID, METHANOIC see Acid, Formic

ACID, METHOXY-BENZOIC see Acid, Anisic

ACID, 4—METHYLBENZENESULFONIC see Acid, p-Toluenesulfonic

ACID, METHYL FORMIC ESTER see Methyl Formate

ACID, METHYL-p-OXYBENZOIC see Acid, Anisic

ACID, MILK see Acid, Lactic

ACID, METHYLENE DISALICYLIC

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

ACID, MIXED (Acid, Nitrating)

A mixture of nitric and sulfuric acids of known composition, sold on the basis of N and S content. Typical mixtures are: nitric 36%—sulfuric 61%; nitric 45%—sulfuric 50%; nitric 70%—sulfuric 25%. Uses—mfr. dyes, T.N.T., smokeless powd., nitroglycerine, gun-cotton, picric acid, nitro-sugar, nitro-starch; as general nitrating agent. Grades—varying mixtures of nitric acid, sulfuric acid and water.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*Calco Chem Div, Bound Brook, N J
*Cornwell Chem Corp, Cornwells Heights, Pa
*E F Drew & Co, 15 E 26 St, N Y 10

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LACTIC ACID

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50% and 80%
TECHNICAL LACTIC ACID
44% and 80%
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FOOD PROCESSING POTASSIUM LACTATE
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CHLOROFORM

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*E I Du Pont de Nemours & Co, Explosives Dept, Wilmington 98, Del
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Stauffer Chem Co, 420 Lexington Ave, N Y 17

ACID, MOLYBDIC (Molybdenum Anhydride, Molybdenum Trioxide)

H_2MoO_4. Composition variable. White or yellow powd. Sp. gr. 3.1124 (15°C). Loses water at 70° C. Sl. sol. water; sol. ammonia, alkalies. Uses—mfr. molybdates, molybdenum salts, molybdenum metal as catalyst; blue pigment in ceramic glazes; paint pigment; laboratory reagent; electro-coloring metals; in medicine. Grades—85% pure; C.P., about 99.5% MO_3; tech.

*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*North Metal & Chem Co, 638 E Mason Ave, York, Pa
Prior Chem Corp, 420 Lexington Ave, N Y 17
*S W Shattuck Chem Co, 1805 S Bannock St, Denver, Col

ACID, MONOSULFONIC F (Cassella F. Acid, 2—Naphthylamine—7—Sulfonic Acid, Delta Acid, F Acid, Bayer's Acid)

$C_{10}H_6(NH_2)SO_3H$. 2:7. Colorless cryst. Sol. water, alcohol, ether. Uses—mfr. azo dyes. Grades—tech.

Antara Products Div, 435 Hudson St, N Y 14
*Calco Chem Div, Bound Brook, N J
*Sherwin-Williams Co, 100 Park Ave, N Y 17

ACID MUCIC (Acid, Saccharolactic, Tetrahydroxy-hexanedioic Acid)

$(OH)_4C_4H_4)(COOH)_2$. Crystalline powd. M.P. 213° C. Sol. hot water, dilute alkalies; insol. alcohol, cold water. Uses—mfr. intermediates, organic chemicals, baking powd., effervescent salts. Grades—tech.

*Bios Labs, 17 W 60 St, N Y 23
*Eastern Chem Corp, 34 Spring St, Newark 2, N J
Gauge & Devin, 7 Front St, San Francisco 11, Cal
*Pfanstiehl Chem Co, 104 Lakeview Ave, Waukegan, Ill

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ACID, MURIATIC (Acid, Hydrochloric, Acid, Chlorohydric, (I))

HCl. M.W. 36.46. Colorless of sl. yellow solution of gas in water, pungent odor. Sp. gr. 1.194 at 85.8°C. M.P. —111.0°C. Sol. water, alcohol, ether. Uses—mfr. chlorides, acids, carbon dioxide, chlorine, sal ammoniac, inorganic preparations, organic and intermediate chemicals, aniline, resorcin, pharmaceutical, synth. perfumes, azo dyes, coal tar colors, pyrotechnic compositions, phosphate from bones, bone and animal glues; treating oils, fats and tallow; purifying sand and clay; chrome tanning; dehairing hides; etching, pickling and mercerizing agent; laboratory reagent; electro-plating; process engraving; reclaiming rubber; purifying spent bone-black; sour in bleaching textiles; assist in dyeing and printing; in medicine. Grades—tech. 16, 18, 20, and 22 deg. Baume; C.P.; U.S.P.; white.

S L Abbot Co, 135 King St, San Francisco 7, Cal
Adams-Henry Chem Co, 32 Broadway, N Y 4
Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
Aetna Color & Chem Co, 60 Linden Ave, E Paterson, N J
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
Ashcraft-Wilkinson Co, 601 Trust Co of Ga Bldg, Atlanta 3, Ga
Atlantic Chem & Equipment Co, 874 Ashby St N W, Atlanta 3, Ga
Badger Chem Co, 1120 S Barclay St, Milwaukee 4, Wis
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
Bartlett Chem, 1460 Peters St, New Orleans 13, La
*Bay Chem Co, 120 S LaSalle St, Chicago 3, Ill
Bergstrom Trading Co, 233 Broadway, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
Carrier-Stephens Co, Lansing, Mich
Cascade Chem Co, 3217 17 Ave W, Seattle, Wash
*Celanese Corp of America, 180 Madison Ave, N Y 16
Chem Mfg Co, 21 West St, N Y
Chem Supply Co, 302 Railroad St, Neenah, Wis
John A Chew, 60 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Consolidated Chem Industries, 640 Mellie Esperon Bldg, Houston 2, Tex
*Cornwell Chem Corp, Cornwells Heights, Pa
Detroit Chem Works, 128 S Junction Ave, Detroit 9, Mich
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio

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Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington 98, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Faesy & Besthoff, 325 Spring St, N Y 13
*Frontier Chem Co, 321 W Douglas, Wichita, Kan
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*H & W Chem, 182-200 Anderson Ave, Rochester 3, N Y
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Chem, First National Bank Bldg, Butler, Mo
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Hill Bros Chem Co, 1525 S 28 St, San Diego, Cal
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
Howe & French, Mfg Dept, E Weymouth, Mass
*Julius Hyman & Co, Box 2171, Denver, Col
Industrial Chem Products Co, 422 E Beacon St, Dayton 2, Ohio
*Jordan Co, 51 St & Merrimac Ave, Chicago 38, Ill
E & F King & Co, 640 Pleasant St, Norwood, Mass
Kingston Chem Co, 15 William St, N Y 5
*Koiker Chem Works, 80 Lister Ave, Newark 5, N J
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
L Kruger & Co, 75 West St, N Y
L J & M La Place, Leliarts Lane, E Paterson, N J
*Lewis Co, 232 Canal St, N Y 13
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
George Mann & Co, 251 Fox Point Blvd, Providence, R I
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 1100 S Barclay St, Milwaukee 4, Wis
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
Monarch Chem Works, 22 & Ave H, Omaha, Neb
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Montrose Chem Co, 120 Lister Ave, Newark 5, N J
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
National Zinc Co, P O Box 579, Bartlesville, Okla
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
Philipp Bros Chem, 37 Wall St, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
*Pittsburgh Coke & Chem Co, 1905 Grant Bldg, Pittsburgh 30, Pa
Prior Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Robinson Bros Chem, 255 Randolph St, Bklyn 6, N Y
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
F H Ross & Co, 1649 W Morehead St, Charlotte 1, N C
Scher Bros, 519 Getty Ave, Clifton, N J
Seaboard Industries, 195 Keen St, Paterson, N J
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Silk City Chem Co, 200 Carlisle Ave, Paterson 1, N J
Simmons Products Co, 15 Moore St, N Y
Spesco Wholesale Hardware Co, 1744 N W 1 Ave, Miami 36, Fla
*Standard Chlorine Chem Co, 115 Jacobus Ave, S Kearney, N J
J U Starkweather Co, 241 Allens Ave, Providence, R I
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Vaughn Chem Co, 1102 E 3 St, Tulsa 3, Okla
Warren-Douglas Chem, 1513 Burt St, Omaha 2, Neb
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
Western Chem, Ft S W Gibbs St, Portland, Ore
Western Chem & Mfg Co, 3270 E Washington Blvd, Los Angeles 23, Cal
White Star Chem Corp, 2030 E Adams St, Jacksonville, Fla
*Wyandotte Chem Corp Mich Alkali Div, Wyandotte, Mich

ACID, MYRISTIC

$CH_3(CH_2)_{12}COOH$. M.W. 228.22. Col. leaf cryst. Sp. gr. 0.858 (60°C.). M.P. 58°C. B.P. 250.5 (100 mm). Insol. water; sl. sol. alcohol, ether. Acid No. 237-243. Sap. No. 240-6. Iodine No. 7-13. Titre 42-6. Uses—soaps, cosmetics. Grades—tech.; pure.

Amplex Chem Co, 60 Wall St, N Y
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*E F Drew & Co, 15 E 26 St, N Y 10
*El Dorado Oil Works, 311 California Ave, San Francisco 4, Cal
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Harwick Standard Chem Co, 60 S Seiberling St, Akron, 5, Ohio
Tesco Chem, Box 173, Sta C, Atlanta, Ga
Welch, Holme & Clark Co, 439 West St, N Y 14

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*Company classifies itself as manufacturer or producer of this product

ACID, NAPHTHALENEACETIC (1 Naphthyl Acetic Acid)

$C_{12}H_{10}O_2$. M.W. 186.20. Odorless, white cryst. M.P. 132.4—135.3°C.

Fisher Chem Co, 60 E 42 St, N Y 17
Philip A Hunt Co, Palisades Park, N J
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Thompson Horticultural Chem Corp, 3600 Monon St, Los Angeles 27, Cal

ACID, b-Naphthalene Sulfonic

$C_{10}H_8SO_3.H_2O$. M.W. 226. White to sl. brownish, crystalline leaflets. Very hygroscopic. Uses—in oil analytical chemistry.

*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio

ACID, NAPHTHENIC (Acid, Hexahydrobenzoic)

$C_6H_{11}COOH$. M.W. 128.1. Colorless cryst. Sp. gr. 1.04. M.P. 31°C. B.P. 232°C. Sl. sol. in water. Acidity mgr. KOH min.—2-3. Water (det. by distillation ASTM), 0.2% max.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American Firstoline Corp, 420 Lexington Ave, N Y
Chematar Inc, Exchange Pl, N Y 5
Elbert & Co, 2 Broadway, N Y
*Gen Petroleum Corp, 612 S Flower St, Los Angeles 7, Cal
Hummel Chem Co, 90 West St, N Y 6
*Oronite Chem Co, 38 Sansome St, San Francisco, Cal
Petroleum By-Products & Chem Co, 15 Whitehall St, N Y 4
*Tide Water Associated Oil Co, 79 New Montgomery St, San Francisco 20, Cal

ACID, 2-NAPHTHOL-6-NAPHTHOIC

$HOC_{10}H_5COOH$. M.W. 188.06. White, free-flowing powd. M.P. 239°C. Sl. sol. water. Uses—intermediate.

*Carwin Co, Stiles Lane, N Haven, Conn

ACID, NAPHTHIONIC (1—Aminonaphthalene—4—Sulfonic Acid, 4—Amino—1—Naphthalene Sulfonic Acid)

$C_{10}H_6(NH_2)SO_3H.\frac{1}{2}H_2O$. 1:4. M.W. 232.15. White cryst. or powd. Decomp. on heating. Sol. ammonia, alkalies; sl. sol. water, alcohol; insol. ether. Uses—mfr. azo dyes. Grades—tech.

*Ciba Co, 627 Greenwich St, N Y 14

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Mercantile Securities Bldg., Dallas, Texas

*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
Wilson Export & Import Corp, 35 Water St, N Y 4

ACID, a-NAPHTHOL SULFONIC see Acid, Neville & Winther's

ACID, 1:4 NAPHTHOLSULFONIC see Acid, Neville & Winther's

ACID, NAPHTHOXY ACETIC

*Millmaster Chem Corp, 420 Lexington Ave, N Y 17

ACID, b-NAPHTHOXY ACETIC

$C_{10}H_7(OCH_2COOH)$-2. M.W. 202.2. Light-gray crystalline powd. Very sol. in methanol.

*Millmaster Chem Corp, 420 Lexington Ave, N Y 17

ACID, 1 NAPHTHYL ACETIC see Acid, Naphthaleneacetic

ACID, 2.6-NAPHTHYLAMINE SULFONIC see Acid, Broenner's

ACID, 1-NAPHTHYLAMINE-8-SULFONIC see Acid, Peri

ACID, 1:6 and 1:7 NAPHTHYLAMINESULFONIC see Acid, Cleve's

ACID, 2-NAPHTHYLAMINE-1 SULFONIC see Acid, Tobias

ACID, 2-NAPHTHYLAMINE-7-SULFONIC see Acid, Monosulfonic F

ACID, 1-NAPHTHLAMINE 3:6:8 TRISULFONIC see Acid, Koch

ACID, NEVILLE & WINTHER'S (1:4 Naphtholsulfonic Acid, a-Naphthol Sulfonic Acid)

$C_{10}H_8O_4S$. 1:4. Transparent plates. M.P. 170°C. Sol. water, alcohol, ether. Uses—mfr. azo dyes. Grades—tech.; paste; powd. (65-70%).

*Ciba Co, 627 Greenwich St, N Y 14
Republic Chem Corp, 94 Beekman St, N Y 38

ACID, NICOTINIC (3—Pyridinecarboxylic Acid)

C_5H_4NCOOH. M.W. 123.11. White crystalline powd. M.P. 234-237°C.

American-British Chem Supplies, 180 Madison Ave, N Y
*American Quinine Co, 15 William St, N Y
American Roland Corp, 16 Hudson St, N Y
*Barrett Div, 40 Rector St, N Y 6
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Calco Chem Div, Bound Brook, N J
Conray Products, 510 6 Ave, N Y 11
Failek Products Co, 163 Broadway, N Y 6
*Fisher Chem Co, 60 E 42 St, N Y 17
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Gane & Ingram, 43 W 16 St, N Y 11
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Hummel Chem Co, 90 West St, N Y 6
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Nepera International Corp, 37 Wall St, N Y 5
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
R P Scherer Corp, 9425 Grinnell Ave, Detroit 13, Mich
Schmitz-Schoenwaldt-Turner Co, 20 Vesey St, N Y 7
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Vitamins Inc, 809 W 58 St, Chicago 21, Ill

ACID, NICOTINIC DIETHYLAMIDE see Nikethamide

ACID, NITRATING see Acid, Mixed

ACID, NITRIC (Aqua Fortis, Hydrogen Nitrate, Acid, Azotic)

HNO_3. M.W. 63.02. Colorless or yellowish, fuming liq. Sp. gr. 1.502. M.P. —42°C. B.P. 86°C. Miscible water. Use—mfr. sulfuric acid, metallic nitrates, aqua regia, phosphoric and oxalic acids, nitro derivatives of benzene, naphthalene, anthracene and derivatives, synth. drugs, camphor, azo, diazo and aniline dyes, nitroglycerine, Berlin blue, nitrocellulose, nitrostarch, T.N.T., picric acid, hats, celluloid, rubber, rubber substitutes, rayon; as nitrating and pickling agent; laboratory reagent; metallurgical solvent; assist in dyeing silks; separating gold and silver; gilding brass; engraving and etching steel; electro-plating; dyeing furs; in engraving; in medicine. Grades—U.S.P.; C.P. (Sp. gr. 1.403); com-

NAPHTHENIC ACID
PETROLEUM SULPHONATES
AMORPHOUS WAXES
MINERAL SPIRITS
PETROLEUM RESINS

•

PETROLEUM BY-PRODUCTS & CHEMICAL CO.

15 WHITEHALL STREET
NEW YORK 4, N. Y.
Phone: Bowling Green 9-4991

*Company classifies itself as manufacturer or producer of this product

NIACIN

(NICOTINIC ACID U. S. P.)

In 50 Kilo. and 10 Kilo. Fibre Drums
and 5 Kilo. Cartons and 1 Kilo. Bottles

THE BARRETT DIVISION
Allied Chemical & Dye Corporation
40 Rector St., New York 6, N. Y.

Barrett®

*Reg. U. S. Pat. Off.

mercial: 44,42,40,38,36 deg. Baume; Aqua Fortis in same strengths; C.P.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
*M Ames Chem Works, 21 Rogers St, Glen Falls, N Y
Atlantic Chem & Equipment Co, 874 Ashby St N W, Atlanta 3, Ga
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
Bartlett Chem, 1460 Peters St, New Orleans 13, La
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
E S Browning Co, 1515 3 St, San Francisco, Cal
*Calco Chem Div, Bound Brook, N J
Carrier-Stephens Co, Lansing, Mich
Cascade Chem Co, 3217 17 Ave W, Seattle, Wash
Chem Mfg Co, 21 West St, N Y
C B Coburn Co, 63 Market St, Lowell, Mass
*Consolidated Chem Industries, 640 Mellie Esperon Bldg, Houston 2, Tex
*Cornwell Chem Corp, Cornwells Heights, Pa
Detroit Chem Works, 125 S Junction Ave, Detroit 9, Mich
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E I Du Pont de Nemours & Co, Explosives Dept, Explosives Dept, Chem & Misc Sales Section & Grasselli Chem Dept, Wilmington 98, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Gauge & Devin, 7 Front St, San Francisco 11, Cal
*Gen Cnem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*H & W Chem, 182-200 Anderson Ave, Rochester 3, N Y
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Hill Bros Chem Co, 1525 S 28 St, San Diego, Cal
Howe & French, Mfg Dept, E Weymouth, Mass
Philip A Hunt Co, Palisades Park, N J
E & F King & Co, 640 Pleasant St, Norwood, Mass
Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Leliarts Lane, E Paterson, N J
*Lewis Co, 232 Canal St, N Y 13
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
George Mann & Co, 251 Fox Point Blvd, Providence, R I
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
McKesson & Robbins, 155 E 44 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
Philipp Bros Chem, 37 Wall St, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Robinson Bros Chem, 255 Randolph St, Bklyn 6, N Y
*Rohm & Haas Co, Washington Square, Phila 5, Pa
F H Ross & Co, 1649 W Morehead St, Charlotte 1, N C
Seaboard Industries, 195 Keen St, Paterson, N J
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
J U Starkweather Co, 241 Allens Ave, Providence, R I
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y

ACID, p-NITRO BENZOIC (Nitrodracylic Acid)

$C_6H_4.COOH.NO_2$. M.W. 167.08. Pale yellowish, bitter odorless cryst. or powd. Sol. hot water, acetone, ether alcohol. M.P. 238°C. Mfr. intermediates. Chief raw material for mfg. procaine.

*Bios Labs, 17 W 60 St, N Y 23
*Medical Chem Corp, 4122 W Grand Ave, Chicago 51, Ill

ACID, NITRODRACYLIC see p-Nitro Benzoic

ACID, 1—NITRONAPHTHALENE:5—SULFONIC see Acid, Laurent's

ACID, NUCLEIC

Yellowish-white powd., sl. odor of yeast. Uses—in medicine.

Conray Products, 510 6 Ave, N Y 11
*Fallek Products Co, 163 Broadway, N Y 6
*Nepera International Corp, 37 Wall St, N Y 5
*Schwarz Labs, 202 E 44 St, N Y 17
*Standard Brands, 595 Madison Ave, N Y 22

ACID, OCTADECADIENOIC see Acid, Linoleic

ACID, OCTANOIC see Acid, Caprylic

ACID, OCTIC see Acid, Caprylic

ACID, OCTADECYLIC-n see Acid, Stearic

ACID, OCTADECANOIC see Acid, Stearic

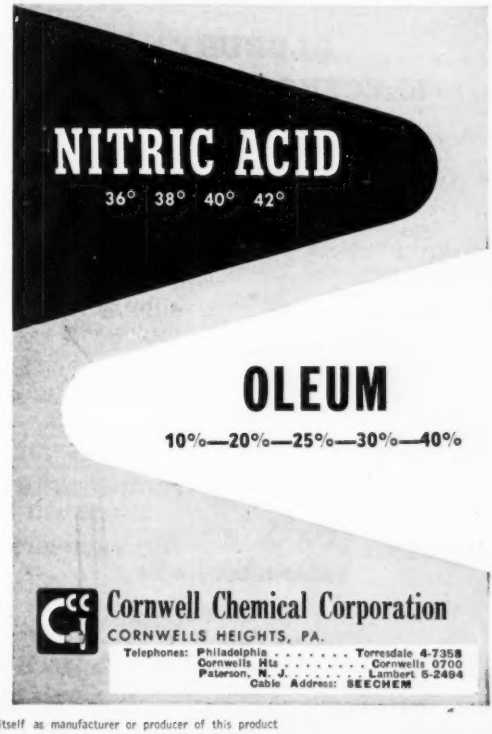
ACID, OCTAIC see Acid, Caprylic

ACID, OCTYLIC see Acid, Caprylic

ACID, OLEIC (Acid, Elaidic)

$C_8H_{17}CHCH(CH_2)_7COOH$. M.W. 282.27. Colored needles. Sp. gr. 0.895 M.P. 14°C. B.P. 286°C. (100 mm). Insol. water; Sol. ether; Sl. sol. alcohol. Uses—mfr. soap, oleates, polishing compounds; oiling wool; medicinals. Grades—tech; U.S.P.; C.P.

S L Abbot Co, 135 King St, San Francisco 7, Cal
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Braun Corp, 2260 E 15 St, Los Angeles 21, Cal
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
Celina Stearic Acid Co, 410 S Ash St, Celina, Ohio
Chem Service Corp, 82 Beaver St, N Y 5
Commercial Chem, 614 Ellicott Square, Buffalo 3, N Y
Concrete Specification Surfacing Co, 2 Broadway, N Y
M D Craig & Co, 11 Broadway, N Y 4
*Sidney P Craven, 2 Broadway, N Y
*Darling & Co, 4204 S Ashland Ave, Chicago 9, Ill
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E F Drew & Co, 15 E 26 St, N Y 10
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Elbert & Co, 2 Broadway, N Y
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
Frank G Fanning, 50 E 42 St, N Y 17
Frey & Co, N Y Produce Exchange, N Y 4
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*A Gross & Co, 295 Madison Ave, N Y
W C Hardesty Co, 41 E 42 St, N Y 17
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio



*Company classifies itself as manufacturer or producer of this product

Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Howe & French, Mfg Dept, E Weymouth, Mass
C L Hueston Co, 1998 Glendale Ave, Detroit 6, Mich
*Kamen Soap Products Co, 233 Broadway, N Y 7
L J & M La Place, Leliarts Lane, E Paterson, N J
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
George Mann & Co, 251 Fox Point Blvd, Providence, R I
*Marcus-Ruth-Jerome Co, 327 S LaSalle St, Chicago, Ill
Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Old Empire Mfg Chemists, 31-33 Coes Pl, Newark 2, N J
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
*Thomas J Shields Co, 11 Water St, N Y 4
*Smead & Small, 1630 Hanna Bldg, Cleveland 15, Ohio
*Southern Cotton Oil Co, 25 Broad St, N Y 4
J W Stark Co, 804 New Center Bldg, Detroit 2, Mich
J U Starkweather Co, 241 Allens Ave, Providence, R I
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
E J Verde & Co, 335 Produce Exchange, N Y 4
Welch, Holme & Clark Co, 439 West St, N Y 14
*Woburn Chem Corp, 1200 Harrison Ave, Kearny, N J

ACID, o-AMINO BENZOIC see Acid, Anthranilic

ACID, o-ACETOXYBENZOIC see Acid, Acetylsalicylic

ACID, o-ARSENIC see Acid, Arsenic

ACID, OSMIC (Osmic Tetroxide)

OSO_4. M.W. 255.5. Colorless to sl. yellow cryst. Uses—catalyst.

*Baker & Co, 113 Astor St, Newark 5, N J
*Bios Labs, 17 W 60 St, N Y 23
City Chem Corp, 132 W 22 St, N Y 11
*Fairmont Chem Co, 600 Ferry St, Newark 5, N J
*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill
Mellin Chem, 45 N Broad St, Ridgewood, N J
Siegal Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Vegetable Oil Products Co, 410 S Avalon Blvd, Wilmington, Cal

ACID, OXALIC (Acid, Ethandioic)

$CO_2HCO_2H.2H_2O$. M.W. 126.05. Colorless, odorless cryst. Sp. gr. 1.653. M.P. 101.5°C. Sol. water, alcohol, ether. Uses—mfr. glycerin, pure dextrin, cream of tartar, intemediates, dyestuffs, malachite green, diphenylamine blue, pyrotechnics, glues, writing and printing inks, blue ink, metal and shoe polishes, blue print paper, celluloid, rayon; marble, metal and coal cleaner; purifying tartaric acid and stearine; as laboratory reagent; tanning agent; bleaching straw; rust and stain remover; laundry detergent; mordant in dyeing and printing textiles; discharge in indigo printing and dyeing; bleaching flax; accelerating chroming of wool; in engraving; treating rubber. Very poisonous. Grades—C.P.; tech.; cryst.; powd.

Adams-Henry Chem Co, 32 Broadway, N Y 4
American-British Chem Supplies, 180 Madison Ave, N Y
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
Arnold, Hoffman & Co, 55 Canal St, Providence, R I
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
J H Bauminger, 421 7 Ave, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
F M Browning Co, 150 Broadway, N Y 38
Chem Mfg Co, 21 West St, N Y
John A Chew, 60 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
Conray Products, 510 6 Ave, N Y 11
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Duso Chem Co, Fulton St, Poughkeepsie, N Y
Dyechem Products Corp, 60 Broad St, N Y 4
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Elbert & Co, 2 Broadway, N Y
Faesy & Besthoff, 325 Spring St, N Y 13
Fallek Products Co, 163 Broadway, N Y 6
Farber Products Co, 226 Lafayette St, N Y 12
Fay-Cole & Co, 71 India St, Boston, Mass
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
K F Griffiths & Co, 280 Madison Ave, N Y 16
Harshaw Chem Co, 1945 E 97 St, Cleveland 6, Ohio
Harwick Chem, First National Bank Bldg, Butler, Mo
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
Howe & French, Mfg Dept, E Weymouth, Mass
Innis, Speiden & Co, 117 Liberty St, N Y 6
E & F King & Co, 640 Pleasant St, Norwood, Mass
Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Leliarts Lane, E Paterson, N J
Legrand Chem Corp, 103-50 St, Bklyn 32, N Y

Victor
OXALIC ACID
Crystalline and Powdered
SODIUM OXALATE
VICTOR CHEMICAL WORKS
141 W. Jackson Blvd., Chicago 4, Illinois

DARLING'S
STEARIC ACID
Special Fatty Acids for Rubber Compounding
GLYCERINE — STEARINE PITCH
OLEIC ACID
RED OIL — OLEINE
Manufacturers
DARLING & COMPANY, 4204 So. Ashland Ave., Chicago 9, Ill.

OLDBURY
ELECTRO-CHEMICAL
COMPANY
OXALIC ACID
Powdered or Crystal

POTASSIUM PERCHLORATE
POTASSIUM CHLORATE
PHOSPHORUS (Yellow or White)
SODIUM CHLORATE
PHOSPHORUS OXYCHLORIDE
PHOSPHORUS PENTACHLORIDE
PHOSPHORUS TRICHLORIDE
PHOSPHORUS PENTASULFIDE
PHOSPHORIC ANHYDRIDE
PHOSPHORIC ACID 85% NF VIII
HYPOPHOSPHITES
ZINC PHOSPHIDE
PHOSPHOROUS ACID

PLANT AND MAIN OFFICE
Niagara Falls, N. Y.
NEW YORK OFFICE 19 Rector St. New York 6, N. Y.

*Company classifies itself as manufacturer or producer of this product

Mercantile Import & Export Corp, 21 E 40 St, N Y 16
Merchants Chem Co, 60 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*Oldbury Electro Chem Co, 19 Rector St, N Y 6
Overseas Enterprises, 25 Beaver St, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Phillipp Bros Chem, 37 Wall St, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Prior Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Rose Chemical Co, 296 Pearl St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
F H Ross & Co, 1649 W Morehead St, Charlotte 1, N C
Scher Bros, 519 Getty Ave, Clifton, N J
Schmitz-Schoenwaldt-Turner Co, 20 Vesey St, N Y 7
Seaboard Industries, 195 Keen St, Paterson, N J
Session-Gifford Co, 255 Allens Ave, Providence, R I
Siegel Chem Co, 1 Hanson Place, Bklyn 17, N Y
Slater-Robbins Co, 28-44 Borden Ave, L I C, N Y
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
J U Starkweather Co, 241 Allens Ave, Providence, R I
Sterone Corp, 250 W 57 St, N Y 19
Jos Turner & Co, Ridgefield, N J
George Uhe Co, 76 9 Ave, N Y 14
United Sterling Corp, 37 E 28 St, N Y
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
Menkl Zimmer, Box 5, Fresh Meadows Sta, Flushing, N Y

beta oxy naphthoic acid (BON)

• Eastman beta oxy naphthoic acid is characterized by uniform high quality. Widely used as an acetate black developer, it also serves as a raw material for the manufacture of various naphthol couplers. Available in drum lots.

TENNESSEE EASTMAN COMPANY
Division of Eastman Kodak Company
KINGSPORT, TENNESSEE

EASTMAN INDUSTRIAL CHEMICALS

Sales Reps in principal cities—see ad in Catalog Section.

ACID, OXOPENTANOIC see Acid, Levulinic

ACID, OXYETHYLENE-SUCCINIC see Acid, Malic

ACID, b-OXY NAPHTHOIC

*Calco Chem Div, 30 Rockefeller Plaza, N Y 20
*E I Du Pont de Nemours & Co, Organic Chem Dept, Wilmington, Del
*Heyden Chem Corp, 393 7 Ave, N Y 1
*Tennessee Eastman Corp, Kingsport, Tenn

ACID, OXYPHENIC see Pyrocatechol

ACID, PALMITIC (Palmitinic Acid, Hexadecylic Acid, Cetylic Acid, Ethalic Acid)

$C_{15}H_{31}COOH$. M.W. 256.25. White cryst. powd. or colorless needle cryst. Sp. gr. 0.866. M.P. 64°C. B.P. 339-56°Cd. Sol easily in hot; sl. in cold alcohol, ether; insol. water. Uses—mfr. soap; thickening sub. oils; waterproofing textiles, fabrics. Made from spermaceti by saponification.

*Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2, Ohio
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*J T Baker Chem Co, Phillipsburg, N J
M D Craig & Co, 11 Broadway, N Y 4
*E F Drew & Co, 15 E 26 St, N Y 10
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
*Fine Organics, 211 E 19 St, N Y 3
*Gen Mills, Chem Div, 400 2 Ave S, Minneapolis, Minn
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
*Hill Bros Chem Co, 1525 S 28 St, San Diego, Cal
*Marcus-Ruth-Jerome Co, 327 S LaSalle St, Chicago, Ill
*Vegetable Oil Products Co, 410 S Avalon Blvd, Wilmington, Cal
Welch, Holmes & Clark Co, 439 West St, N Y 14

ACID, PALMITINIC see Acid, Palmitic

ACID, PANTOTHENIC

$C_9H_{17}O_5$. Filtrate factor in vitamin B complex. Prevents dermatitis in chicks. Reported to be helpful in curing pellagra in humans and graying hair in rats. Widely distributed in plant and animal tissues and apparently essential for cell growth. Present in rice bran, peanut meal, and yeast.

*Bios Labs, 17 W 60 St, N Y 23
*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
*Nepera International Corp, 37 Wall St, N Y 5
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Tuteur Bio-Chem, 60 Wall St, N Y 5

ACID, PELARGONIC

$CH_3(CH_2)_7COOH$. M.W. 158. Sol. alcohol, ether. Light yellow; strong characteristic odor. Uses—mfr. of plasticizers, pharmaceuticals, synth. flavors, odors.

Becco Sales Corp, Sta B, Buffalo 7, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio

ACID, PENTANOIC see Acid, Valeric

ACID, PERACETIC, 40%

Composed of 40% peracet. ac., 39% acet. ac., 13% water, 5% hydr. perox., 1% sulfuric ac. by wt. in an average solution. B.P. 105°C. Completely sol. in water, alcohol, ether. Uses—bleaching agent, polymerization catalyst, bactericidal, fungicidal, oxidant.

Buffalo Electro-Chemical Corp, Station B, Buffalo, N. Y.

ACID, PERCHLORIC (Fraude's Reagent)

$HClO_4$. Colorless liq. Sp. gr. 1.764. B.P. 39°C. (56 mm.). Sol. water. Uses—mfr. ester derivatives, monochlorohydrin perchlorate, explosives, matches; as laboratory reagent; electroplating with lead; in medicine. Grades—tech., strength of solution 6-20%; C.P.

*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
International Selling Corp, 70 Pine St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio
Western Electrochemical Co, Henderson, Nev

ACID, PERI (Acid I—Naphthylamine—8—Sulfonic)

$C_{10}H_6(NH_2)(SO_3H)$. 1:8. Light gray powd., lumps. Sol. water. Uses—mfr. azo dyes. Grades—tech. (97% min.).

Antara Products Div, 435 Hudson St, N Y 14

ACID, PERIODIC

HIO_4. M.W. 192. Uses—strong oxidizing agent for analyses.

*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

ACID, PHENIC see Phenol

ACID, PHENOL SULFONIC (Sulphocarbolic Acid, Sulphophenylic Acid, Sozolic Acid)

$OH.C_6H_4.SO_3H$. M.W. 174.17. Yellow liq., becomes brown on exposure to air. Cont. drums. Uses—water analysis, mfr. intermediates and dyes, tanning, pharmaceuticals, drugs, in electro-deposition of tin.

*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Tuteur Bio-Chem, 60 Wall St, N Y 5

ACID, PHENOXY ACETIC (Glycolic Acid Phenyl Ether)

$C_6H_5OCH_2COOH$. M.W. 152.14. Colorless plates or needles. M.P. 99°C. B.P. 285°C. Sl. decomp. Sol. water alcohol, ether, acetic acid, benzene. Uses—chemical reagent.

*Dow Chem Co, Midland, Mich
*Fine Organics, 211 E 19 St, N Y 3

ACID, PHENYL ACETIC

$C_6H_5CH_2COOH$. M.W. 136.10. White cryst. with honey-rose odor. M.P. 76°C. Uses—fixative for perfumes, in many floral perfumes.

*American-British Chem Supplies, 180 Madison Ave, N Y
Benzol Products Co, 237 South St, Newark 25, N J
*F L Bodman, 328 Chestnut St, Phila 6, Pa
*Edward S Burke, 65 Pine St, N Y
P R Dreyer, 113 W 19 St, N Y
Fallek Products Co, 163 Broadway, N Y 6
*Gane & Ingram, 43 W 16 St, N Y 11
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Polak & Schwartz, 667 Washington St, N Y 14
Tombarel Products Corp, 12 E 22 St, N Y 10
*Trubek Labs, State Hway Rt 17, E Rutherford, N J
*Verona Chem Co, 26 Verona Ave, Newark, N J

ACID, PHENYLFORMIC see Acid, Benzoic

ACID, PHENYLACETYLENE CARBOXYLIC see Acid, Phenylpropiolic

ACID, PHENYLCINCHONINIC see Cinchophen

ACID, PHENYLETHYLBARBITURIC see Phenobarbital

ACID, 1-PHENYLNAPHTHYLAMINE-8-SULFONIC see Acid, Phenyl Peri

ACID, PHENYL PERI (Acid I—Phenylnaphthylamine—8—Sulfonic)

$C_{10}H_6(NHC_6H_5)(SO_3H)$. 1:8 Greenish cryst. paste. Sol. water. Uses—mfr. azo dyes. Grades—tech. paste (25% min.).

Antara Products Div, 435 Hudson St, N Y 14

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ACID, PHENYLPROPIOLIC (Phenylacetylene Carboxylic Acid)
$C_6H_5C{\equiv}C\cdot COOH$. M.W. 146.14. White crystalline solid. Use—organic syntheses.
*Bios Labs, 17 W 60 St, N Y 23

ACID, PHENYLIC see Phenol

ACID, PHOSPHATE see Superphosphate

ACID PHOSPHATE OF LIME see Calcium Phosphate (Monobasic)

ACID, PHOSPHOMOLYBDIC
$H_3PO_4.12MoO_3.12H_2O$. M.W. 2042.3. Yellow Cryst. Sol. water. Uses—weighting silk, leather; mordanting; tests for alkaloids, rare earths; mfr. insol. color lakes. Grades—C.P.; pure.
*J T Baker Chem Co, Phillipsburg, N J
City Chem Corp, 132 W 22 St, N Y 11

ACID, PHOSPHORIC (o-Phosphoric Acid)
H_3PO_4. Colorless, syrupy liq. M.W. 98.04. Sp. gr. 1.834. M.P. 42.35°C. Sol. water. Uses—mfr. phosphates, intermediate chemicals, hydrogen peroxide, glycerophosphates, pharmaceuticals, dyes, incandescent light filaments, pyrotechnics, ammonium phosphate fertilizers; as acidulating agent in jellies, essences, soft drinks and mineral waters; laboratory reagent; pickling and rust-proofing agent; latex coagulant; ceramic vitrifying agent and flux; sugar defectant and clarifier; mordant in dyeing and printing textiles; brightener of silks; in engraving; in medicine. Grades—tech. (50%); 75%; 85% paste and syrup; U.S.P. syrupy (90%); U.S.P. dilute (10%); Pure Food Grade (50 to 75% H_3PO_4); glacial sticks; C.P.
*American Agricultural Chem Co, 50 Church St, N Y 7
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
Badger Chem Co, 1120 S Barclay St, Milwaukee 4, Wis
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
Bartlett Chem, 1460 Peters St, New Orleans 13, La
Bendix Chem Corp, 420 Lexington Ave, N Y
Bonewitz Chem, P O Box 560, Burlington, Iowa
Braun Knecht Heinmann Co, 1400 16 St, San Francisco, Cal
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
F M Browning Co, 150 Broadway, N Y
Carrier-Stephens Co, Lansing, Mich
John A Chew, 60 E 42 St, N Y 17
Cole Labs, 42-25 9 St, L I C 1, N Y
Conn Metalcraft, 442 Elm St, New Haven 2, Conn
Conray Products, 510 6 Ave, N Y 11
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Elbert & Co, 2 Broadway, N Y
Faesy & Besthoff, 325 Spring St, N Y 13
Frank G Fanning, 50 E 42 St, N Y 17
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
*H & W Chem, 182-200 Anderson Ave, Rochester 3, N Y
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Howe & French, Mfg Dept, E Weymouth, Mass
Philip A Hunt Co, Palisades Park, N J
Kingston Chem Co, 15 William St, N Y 5
Kiem Chem, 14401 Lainson, Dearborn, Mich
L J & M La Place, Leliarts Lane, E Paterson, N J
A Lee Co, Box 898, Lawrence, Mass
*Lewis Co, 232 Canal St, N Y 13
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7 Mo
*Maas Chem Co, 4570 Ardine St, S Gate, Cal
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*Oldbury Electro Chem Co, 19 Rector St, N Y 6
Philipp Bros Chem, 37 Wall St, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Prior Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
F H Ross & Co, 1649 W Morehead St, Charlotte 1, N C
Schmitz-Schoenwaldt-Turner Co, 20 Vesey St, N Y 7
Tesco Chem, Box 173, Sta C, Atlanta, Ga
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Torre Products Co, 52-54 Wooster St, N Y 13
Jos Turner & Co, Ridgefield, N J
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Pa

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Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
Welch, Holme & Clark Co, 439 West St, N Y 14
*Westaco Chem Div, 405 Lexington Ave, N Y 17

ACID, PHOSPHORIC (Anhydrous) see Phosphorous Pentoxide

ACID, m-PHOSPHORIC

HPO_3. Viscous liq., colorless. Sp. gr. 2.25 (25°C). Sol. alcohol, water. Uses—mfr. esters and salts; catalysts.

*J T Baker Chem Co, Phillipsburg, N J
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

ACID, o-PHOSPHORIC see Acid, Phosphoric

ACID, PHOSPHORIC PASTE

A lime-phosphoric acid mixture containing not less than 50% P_2O_5. Uses—in the defecation of raw sugar solutions. Grades—wet paste; dry paste.

*J T Baker Chem Co, Phillipsburg, N J
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va

ACID, PHOSPHOROUS

H_3PO_3. Moist, colorless cryst. acid. Melts somewhat below 73°C. Decomp. when heated to 200°C. with liberation of phosphine. Forms mono and dibasic salts. Extremely sol. in water; very hygroscopic. Uses—reducing agent; mfr. phosphites.

J T Baker Chem Co, Phillipsburg, N J
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
*Oldbury Electro Chem Co, 19 Rector St, N Y 6
Riches-Nelson, 342 Madison Ave, N Y 17

ACID, PHOSPHOTUNGSTIC

$WO_3.2H_3PO_4$. M.W. 428.2. Yellow green cryst. Sl. sol. cold water, alcohol, ether. Uses—weighting silk and leather; mordanting; tests for alkaloids, carbohydrates; mrf. insol. color lakes. Grades—C. P.; pure.

*Baker & Adamson Products, 40 Rector St, N Y
*Sylvania Electric Products Co, Towanda, Pa

ACID, PHTHALIC (Acid, Alizarinic, Acid, o-Benzene-Dicarboxylic)

$C_6H_4(COOH)_2$. M.W. 166.05. Colorless, crystalline needles. Sp. gr. 1.593. M.P. 191°C.d. Sol. alcohol; sl. sol. water, ether; easily sol. alcohol. Uses—mfr. intermediates, esters, pharmaceuticals, anthranilic acid, phenolphthalein, rhodamine, pyronine, fluorescein and rosin dyes, phthaleins, indigo, perfume esters; in medicine. Grades—tech.; pure.

*American Chem Service, P O Box 702, Hammond, Ind
American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
E S Browning Co, 1515 3 St, San Francisco, Cal
Chematar Inc, Exchange Pl, N Y 5
Elbert & Co, 2 Broadway, N Y
*Fallek Products Co, 163 Broadway, N Y 6
*National Aniline Div, 40 Rector St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38
Schmitz-Schoenwaldt-Turner Co, 20 Vesey St, N Y 7

ACID, PICRIC (Trinitrophenol, Acid, Picronitric, Acid, Carbazotic, Phenoltrinitrate)

$C_6H_2(NO_2)_3OH$. Yellow cryst. Sp. gr. 1.767. M.P. 122°C. Sol. water, alcohol, ether. Uses—mfr. picrates, substantive cotton, nigrosine and induline-dyes, military and commercial explosives; as color for dyeing and printing textures; tanning feathers; in medicine. Grades—tech.; U.S.P.

American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
Mercantile Import & Export Corp, 21 E 40 St, N Y 16

ACID, PICRONITRIC see Acid, Picric

ACID, PIMELIC (Heptandioic Acid)

$(CH_2)_5(COOH)_2$. 160.17. M.W. cryst. Monclinic M.P. 104°C. B.P. 272°C. at 100 mm. Sl. sol. water; very sol. alcohol, ether.

*Chem Development Corp, Endicott St, Danvers, Mass

ACID, PLUMBIC (Anhydrous) see Lead Peroxide

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ACID, PROPIOLIC (Acetylene Monocarboxylic Acid)

$CH{\equiv}C{\cdot}COOH$. M.W. 70.05. Colorless liq.; sharp odor. Uses—organic syntheses, pharmaceuticals, plastics.

*Bios Labs, 17 W 60 St, N Y 23
*Farchan Research Labs, 609 E 127 St, Cleveland 8, Ohio

ACID, PROPIONIC

C_2H_5COOH. M.W. 74.08. Water white liq. of penetrating odor. Completely miscible with water, alcohol, ether and chloroform. Sp. gr. 0.992 at 20°/4C. F.P. 22°C. B.P. 141°C. Uses—mfr. propionates, artificial fruit flavors, anethol, perfume esters. Grades—tech.

City Chem Corp, 132 W 22 St, N Y 11
*Cliffs Dow Chem Co, Wright St, Marquette, Mich
*E I Du Pont de Nemours & Co, Polychemicals Dept, Wilmington, Del
*U S Industrial Chem, 60 E 42 St, N Y

ACID, PROPYLFORMIC see Acid, Butyric

ACID, PRUSSIC see Acid, Hydrocyanic

ACID, 3-PYRIDINECARBOXYLIC see Acid, Nicotinic

ACID, PYROCATECHINIC see Pyrocatechol

ACID, PYROGALLIC (Pyrogallol, Trihydoxybenzene)

$C_6H_3(OH)_3$. White cryst. Sp. gr. 1.463. M.P. 132.58°C. B.P. 293°C. Sol. water, alcohol, ether. Uses—mfr. intermediates, synth. pyrogallol; derived drugs, azo and hair dyes; as mordant; protective colloid in making metallic colloidal solutions; laboratory reagent; photographic developer; in process engraving; in medicine. Grades—C.P.; U.S.P.; cryst.; resublimed.

Aceto Chem Co, 82 Beaver St, N Y 5
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Conray Products, 510 6 Ave, N Y 11
Golwynne Chem Corp, 420 Lexington Ave, N Y 16
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
George Uhe Co, 76 9 Ave, N Y 14
*Zimsser & Co, Railroad Ave, Hastings-On-Hudson, N Y

ACID, PYROMUCIC see Acid, Furoic

ACID, PYROLIGNEOUS (Wood Vinegar, Pyroligneous Vinegar, Acetic Crude)

$H_3C_2H_3O_2$. Yellowish-red liq., furfural odor. Sp gr. 1.018-1.050. B.P. varying. Sol. water, alcohol. Uses—mfr. methanol, acetate of lime, iron acetate, vinegar, pyrolignite, dyestuffs, acetic acid, chemicals; in smoking meats. Grades—purified; U.S.P.; C.P.; tech.

*Cliffs Dow Chem Co, Wright St, Marquette, Mich

ACID, PYROPHOSPHORIC (Anhydrous)

$H_4P_2O_7$. Colorless visc. liq. which crystallizes on long standing. Sp. gr. 2.04 (25°C.) Sol. water, alcohol. Uses—mfr. esters and salts; catalysis.

*City Chem Corp, 132 W 22 St, N Y 11

ACID, n-PYROTARTARIC see Acid, Glutaric

ACID, PYRUVIC (Pyroracemic Acid, Ketoacetic Acid, Acetylformic Acid)

$C_3H_4O_3$. M.W. 88. Colorless cryst., powd. or liq. M.P. 136°C. B.P. 165°C. Sol. water, alcohol, ether. Uses—intermediate product in metabolism of proteins, fats, and carbohydrates. mfr. of cinchophen.

*Bios Labs, 17 W 60 St, N Y 23
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y

ACID, RACEMIC-TARTARIC see Acid, Tartaric

ACID, RESORCIN DIACETIC

*Fine Organics, 211 E 19 St, N Y 3
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y

ACID, b-RESORCYLIC (2,4-Dihydroxy Benzoic Acid)

$C_6H_3(OH)_2COOH$. M.W. 154.42. White, crystalline high-melting solid. Sl. sol. water. Uses—in mfr. of specialty dyestuffs; intermediate in prep. of fine chemicals.

*Bios Labs, 17 W 60 St, N Y 23
*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
Faesy & Besthoff, 325 Spring St, N Y 13
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa

ACID, RHODIZONIC

$C_6H_2O_6$. M.W. 170.08. White crystalline solid.

*Bios Labs, 17 W 60 St, N Y 23
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y

ACID, RICINIC see Acid, Ricinoleic

ACID, RICINOLEIC (Acid, Ricinic)

$C_{18}H_{34}O_3$. Amber colored liq. The fatty acid in castor oil, Sp. gr. 0.945. M.P. 17°C. B.P. 250°C (15 mm. pressure). Insol. water; partly sol. alcohol, ether, hydrocarbons. Uses—mfr. special soaps and esters.

Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Woburn Chem Corp, 1200 Harrison Ave, Kearny, N J

ACID, S (Acid, Aminonaphtholsulfonic 1:8:4)

$NH_2(OH)C_{10}H_5SO_3H$. 1:8:4. Gray cryst. Insol. alcohol, ether; sl. sol. water. Uses—mfr. dyestuffs. Grades—tech.; dry powd.

Fisher Chem Co, 60 E 42 St, N Y 17

ACID, SS see Acid, Chicago

ACID, SACCHARIC (Saccharinic Acid)

$C_6H_{12}O_6$. sol. Very in water, alcohol, and ether. Uses—substitute for tartaric acid.

Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23

ACID, SACCHARINIC see Acid, Saccharic

ACID, SACCHAROLACTIC see Acid, Mucic

ACID, SALICYLIC (Acid, o-Hydroxybenzoic)

$C_6H_4(OH)(COOH)$. M. W. 138.05. White crystalline needles or powd. Sp. gr. 1.443. M.P. 156-159°C. Sol. alcohol, ether, oil or turpentine, acetone. Uses—mfr. salicylates, esters, synth. drugs, salol, aspirin, salophen, arilficial oil wintergreen, intermediates, azo dyes, catgut, parchment paper, perfume esters; as preservative foods, glues and hides; in medicine. Grades—U.S.P.; tech.

American-British Chem Supplies, 180 Madison Ave, N Y
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y

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Ciba Co, 627 Greenwich St, N Y 14
Conray Products, 510 6 Ave, N Y 11
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Heyden Chem Corp, 393 7 Ave, N Y
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Seaboard Industries, 195 Keen St, Paterson, N J
Tuteur Blo-Chem, 60 Wall St, N Y 5
George Uhe Co, 76 9 Ave, N Y 14

ACID, SAND see Acid, Hydrofluorsilicic

ACID, SEBACIC (Acid, Sebacylic, Acid, Decane Dicarboxylic)

$C_8H_{16}(COOH)_2$. Colorless or yellow leaflets. M.P. 133°C. B.P. 294.5°C. Sol. alcohol, ether; sl. sol. water. Uses—mfr. salts, esters, celluloid plastics, candles, perfumes.

J M Baird Co, 147 Nassau St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
*Hardesty Chem Co, 41 E 42 St, N Y
*Kamen Soap Products Co, 233 Broadway, N Y 7
*Rohm & Haas Co, Washington Square, Phila 5, Pa

ACID, SEBACYLIC see Acid, Sebacic

ACID, SELENOUS

H_2SeO_3. M.W. 128.98. Colorless cryst. Very sol. hot water, alcohol. Uses—laboratory reagent.

*Bios Labs, 17 W 60 St, N Y 23
*Chem Commerce, 411 South St, Newark 5, N J
*City Chem Corp, 132 W 22 St, N Y 11
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J

ACID, SELENOUS ANHYDRIDE see Selenium Dioxide

ACID, SILICIC

SiO_2+XH_2O. White amorp. powd. Uses—as absorbant and in bleaching oils, fats and waxes.

*J T Baker Chem Co, Phillipsburg, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa

ACID, SILICOFLUORIC see Acid, Hydrofluosilicic

ACID, SILICOTUNGSTIC

$SiO_2.12WO_3.26H_2O$. M.W. 3312.47. White to yellow deliq. cryst. Sol. water, alcohol. Uses—chemical reagent; mordant.

*City Chem Corp, 132 W 22 St, N Y 11

ACID, SODIUM ACETATE see Sodium Diacetate

ACID, SODIUM CARBONATE see Sodium Bicarbonate

ACID, SODIUM CHROMATE see Sodium Bichromate

ACID, SODIUM FLUORIDE see Sodium Bifluoride

HYDROGENATED STEARIC ACID

Drew produces a number of grades of distilled and undistilled Stearic Acids. Choose the grade that meets your requirements. Use the undistilled grades where economy is more important than color.

Drew quality stearic acids are used in the manufacture of rubber products, candles, crayons, polishes, waxes, soaps, hand lotions, deodorants, cleansing creams, medicated creams, face powders, and many other products.

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ACID, SODIUM b-NAPHTHOL-6:8-DISULFONIC see G Salt

ACID, SODIUM PHOSPHATE see Sodium Phosphate, Mono-Sodium

ACID, SODIUM PYROPHOSPHATE see Sodium Acid Pyrophosphate

ACID, SORBIC

$CH_3CH:CH.CH:CH.COOH$. M.W. 112. White, crystalline solid. Sol. most organic solvents and in aqueous alkalies. Uses—intermediates; mfg. synth. resins, textile specialties, essential oils, pharmaceuticals.

J H Bauminger, 421 7 Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

ACID, SOZOLIC see Acid, Phenol Sulfonic

ACID, STEARIC (Acid, Cetylacetic, Acid, Stearinic, Acid, Octodecylic-n, Stearophanic, Acid, Octadecanoic)

$CH_3(CH_2)_{16}COOH$. M.W. 284.28. White, odorless amorp. Natural. Sp. gr. 0.847. M.P. 69.3°C.

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NEO-FAT 1-60 (75% stearic) affords uniform high quality at reasonable cost. Used in rubber, stearates, buffing compounds, greases, etc.

NEO-FAT 1-65 (90% stearic) offers maximum stearic acid concentration. A superior raw material for metallic soaps, cosmetics, pharmaceuticals, rubber compounding, hard greases, chemical synthesis.

ARMOUR *Chemical Division*

Armour and Company • 1355 W. 31st Street • Chicago 9, Ill.

B.P. 383°C. Sol. alcohol, ether, carbon bisulfide, carbon tetrachloride, chloroform. Slightly sol. water. Uses—mfr. stearates, stearate driers, cosmetics, soaps, pyrotechnic compositions, candles, shoe and metal polishes; in medicine. Grades—saponified; distilled; single, double; triple pressed; U.S.P.

S L Abbot Co, 135 King St, San Francisco 7, Cal
American-British Chem Supplies, 180 Madison Ave, N Y
*Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2, Ohio
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Berlow & Schlosser Co, 401 Industrial Trust Blvd, Providence, R I
Braun Corp, 2260 E 15 St, Los Angeles 21, Cal
Braun Knecht Heimann Co, 1400 16 St, San Francisco, Cal
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
F M Browning Co, 150 Broadway, N Y 38
*Celina Stearic Acid Co, 410 S Ash St, Celina, Ohio
*Century Stearic Acid Candle Works, 41 E 42 St, N Y 17
Chem Mfg Co, 21 West St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
Cole Labs, 42-25 9 St, L I C 1, N Y
M D Craig & Co, 11 Broadway, N Y 4
*Darling & Co, 4204 S Ashland Ave, Chicago 9, Ill
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E F Drew & Co, 15 E 26 St, N Y 10
*S P Drummond, 67 Wall St, N Y
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Elbert & Co, 2 Broadway, N Y
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
Frank G Fanning, 50 E 42 St, N Y 17
Frey & Co, N Y Produce Exchange, N Y 4
*Gen Mills, Chem Div, 400 2 Ave S, Minneapolis, Minn
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
K F Griffiths & Co, 280 Madison Ave, N Y 16
*A Gross & Co, 295 Madison Ave, N Y
W C Hardesty Co, 41 E 42 St, N Y 17
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Harry Holland & Son, 95 Clinton St, Chicago 6, Ill
Howe & French Mfg Dept, E Weymouth, Mass
International Wax Refg Corp, E Hawthorne Ave & L I R R, Valley Stream, N Y

Hystrene* Stearic Acid

means highest purity in 3 ways

1. **Controlled uniform concentrations of true stearic acid from 70% to 97%.**
2. **Unsaponifiable matter below 0.2%.**
3. **Iodine value below 0.5.**

Exceptionally high color stability at elevated temperatures . . . particularly suitable for soaps, esters and other derivatives.

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*Trade Mark of The Trendex Co., mfrs.

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POWDER COMPANY
Wilmington 99, Del.

ATLAS POWDER COMPANY
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EMERSOL STEARIC and OLEIC ACIDS

ANIMAL, VEGETABLE, SPECIAL LIQUID FATTY ACIDS
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Dimer Acid (Dilinoleic Acid)
Twitchell Textile Oils for:
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- Wool & Worsteds
- Synthetics

Fat Splitting Reagents

Oleic Esters
Soluble Oil Bases
Plastolein Plasticisers for:
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- Cellulosics
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Export Dept.: 5035 RCA Bldg., New York 20, N. Y.
BRANCH OFFICES: 3002 Woolworth Bldg., New York 7, N. Y.
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Manufacturers of

- STEARIC ACID
- FATTY ACIDS
- GLYCERINE
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- LARD OIL
- TALLOW OIL

MARCUS • RUTH • JEROME
COMPANY
WESTERN OFFICE: 327 So. LaSalle St. Chicago 4, Illinois • HA 7-1760
EASTERN OFFICE: 311 Produce Exchange Bldg. New York, N. Y. • Whitehall 4-5198
REFINERY: Neville Island Pa. • Fe 1-0367

STEARIC ACID

Red Oil—Hydrogenated Fatty Acids
Cottonseed Oil Fatty Acids
Corn Oil Fatty Acids
Tallow Fatty Acids
Specialty Fatty Acids—Glycerine
Pitch—White Oleine

W. C. HARDESTY CO., INC.
HARDESTY PRODUCTS ARE INDUSTRY'S REVISIONS
ESTABLISHED 1936
41 EAST 42nd STREET, NEW YORK 17, N. Y.

41 EAST 42nd STREET, NEW YORK 17, N. Y.
FACTORIES: DOVER, OHIO TORONTO, CAN.

*Company classifies itself as manufacturer or producer of this product

SULPHURIC ACID

MATHIESON CHEMICALS

SODA ASH — CAUSTIC SODA
BICARBONATE OF SODA — LIQUID CHLORINE
CHLORINE DIOXIDE — DRY ICE
FUSED ALKALI Products
SODIUM CHLORITE Products
HTH Products — CARBONIC GAS
AMMONIA, ANHYDROUS, AQUA
SODIUM METHYLATE — SULPHURIC ACID
SULPHUR — AMMONIUM SULPHATE
NITRATE OF SODA — FERTILIZERS

Mathieson CHEMICALS

Mathieson Bldg.—Baltimore 3, Md.

Walter H Jelly & Co, 420 N Western Ave, Chicago 12, Ill
*Kamen Soap Products Co, 233 Broadway, N Y 7
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Marcus-Ruth-Jerome Co, 327 S LaSalle St, Chicago, Ill
Martin, Hoyt & Milne, 615-625 Merchants Exchange Bldg, San Francisco 4, Cal
Mathe Chem Co, 169 Milbank St, Lodi, N J
Mutchler Chem Co, 258 Broadway, N Y 7
M W Parsons-Plymouth, 59 Beekman St, N Y 38
Prime Products Corp, 62 William St, N Y 5
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Shepard Chem Corp, 117 Liberty St, N Y 6
*Thomas J Shields Co, 11 Water St, N Y 4
J W Stark Co, 804 New Center Bldg, Detroit 2, Mich
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Jos Turner & Co, Ridgefield, N J
*Vegetable Oil Products Co, 410 S Avalon Blvd, Wilmington, Cal
E J Verde & Co, 335 Produce Exchange, N Y 4
Welch, Holme & Clark Co, 439 West St, N Y 14
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
Witco Chem Co, 295 Madison Ave, N Y 17
Paul W Wood Co, 350 Townsend St, San Francisco 7, Cal
Menki Zimmer, Box 5, Fresh Meadows Sta, Flushing, N Y

ACID, STEARINIC see Acid, Stearic

ACID, STIBIOUS see Antimony Oxide

ACID, SUBERIC (Octandioic Acid)

$C_8H_{14}O_4$. M.W. 174. White crystals. M.P. 140°C. B.P. 279°C. Sol. alcohol, water, ether.

*Bios Labs, 17 W 60 St, N Y 23
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Lack Chem Co, 19 Park Pl, N Y 7

ACID, SUCCINIC (Acid Ethylenedicarboxylic, Acid Ethylenesuccinic, Acid, Amber, Acid Butanedioic)

$CO_2H(CH_2)_2CO_2H$. M.W. 118.05. Colorless cryst. Sp. gr. 1.562. M.P. 185°C. B.P. 235°C. Sol. water. Sl. sol. alcohol, ether. Uses—mfr. intermediates, synth. drugs, dyes, perfumes esters; as a disinfectant in medicine. Grades—tech.; C.P.

*J T Baker Chem Co, Phillipsburg, N J
Bendix Chem Corp, 420 Lexington Ave, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
*C P Hall Co, 2510 First National Tower Bldg, Akron Ohio
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*National Aniline Div, 40 Rector St, N Y 6
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Seydel Chem Co, 225 Mercer St, Jersey City 2, N J
H D Sheldon & Co, 104 S Ave, N Y

ACID, SULFAMIC

$HO\text{-}SO_2\text{-}NH_2$. M.W. 97.02. Crystalline, non-hygroscopic mineral acid. M.P. 205°C., with decomposition. Uses—Reagent in mfr. azo dyes and lake colors leather tanning agent; ingredient in cleaning compounds; acidimetric standard in analytical work; intermediate for chemical syntheses.

Chem Mfg Co, 21 West St, N Y 6
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

ACID, SULFANILIC (Acid Para—Aminobenzenesulfonic, Acid Para—Anilinesulfonic)

$C_6H_4NH_2SO_3H.H_2O$. M.W. 191.14. Colorless cryst. M.P. chars at 280°C. Sol. hydrochloric acid. Sl. sol. water, alcohol, ether. Uses—mfr. intermediates, dyes, methyl orange. Grades—tech.; C.P.; pure.

*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*Calco Chem Div, Bound Brook, N J

ACID, SODIUM SULFATE see Sodium Bisulfate

ACID, SULFITE see Sodium Bisulfite

ACID, SULFONATED LAURIC

The sodium salt of sulfonated lauric acid finds use as a material in cosmetics, toothpastes, hair presp., etc. or wherever a water sol. lauric acid is desired or where emollient sudding is desired.

*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Welch, Holme & Clark Co, 439 West St, N Y 14

ACID, SULFOSALICYLIC

$C_6H_3OH.COOH.SO_3H$. White, cryst. solid. M.P. 100-110°C. Sol. water, alcohol. Uses—reagent for albumin. Grade—analytical.

American Roland Corp, 16 Hudson St, N Y
J T Baker Chem Co, Phillipsburg, N J
*Bios Labs, 17 W 60 St, N Y 23
*Fine Organics, 211 E 19 St, N Y 3
*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
Conray Products, 510 6 Ave, N Y 11
Lack Chem Co, 19 Park Pl, N Y 7
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y

ACID, SULFURIC (Dihydrogen Sulfate, Oil of Vitriol, Dipping Acid, Oleum, Hydrogen Sulfate see also Battery Acid)

H_2SO_4. Colorless to dark brown, oily liq. Sp. gr. 1.8342. M.P. 10.46°C. B.P. 210-238°C. Sol. water. Uses—mfr. inorganic and organic acids, nitric and hydrochloric acids, technical gases, hydrogen, hydrogen sulfide, carbon dioxide, sulfates of metals, hydrogen peroxide, alums, salt cake, synth. drugs, synth. perfumes, halogens, dyes, T.N.T., picric acid, smokeless powd., gun-cotton, nitroglycerine, sol. cotton, nitro-starch, nitro-sugar, stearin, fatty acids, liq. glue, yeast, mineral pigments, parchment paper, celluloid and pyroxylin plastics, candles, soap, glucose, syrups and refining sugar, rayon; as sulfonating agent in making intermediates and organic chemicals; fungicide; laboratory reagent; pickling agent for iron and steel; drying agent; mordant in dyeing and printing textiles; sour in bleaching cottons; resist in dyeing woolens; in storage batteries and ordinary cells; purifying fats and oils; solubilizing superphosphates; dehydrating foods; recovering ammonia as ammonium sulfate; neutralizing lime in glue making; tanning; refining precious metals; electroplating; cleaning bronze and brass; electrolytic refining of copper; metallurgy of cobalt, nickel, magnesium and other metals; washing tars; refining crude oils and petroleum products; photographic processes; process engraving; refining waxes; reclaiming rubber; recovering fatty acids; carbonizing wool; mercerizing cotton; in medicine. Grades—commercial, 66, 60, 50 deg. Oleum 60%, 40%, 20%, 98% acid; Fuming Sulfuric, U.S.P., U.S.P. dilute (10%); C.P.

S L Abbot Co, 135 King St, San Francisco 7, Cal
Adams-Henry Chem Co, 32 Broadway, N Y 4
*American Agricultural Chem Co, 50 Church St, N Y 7
American-British Chem Supplies, 180 Madison Ave, N Y

SULPHURIC ACID
60° 66° 98% 100%
also Diamond and Crystal Quality

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from 1.225 Sp. G. to 1.835 Sp. G.
tankcars, tankwagons, carboys

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Telephones: Philadelphia . . . . . Torresdale 4-7358
Cornwells Hts . . . . . Cornwells 0700
Paterson, N. J. . . . . Lambert 5-2494
Cable Address: SEECHEM

*Company classifies itself as manufacturer or producer of this product

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
*American Zinc Sales Co, 1600 Paul Brown Bldg, St Louis 1, Mo
Ashcraft-Wilkinson Co, 601 Trust Co of Ga Bldg, Atlanta 3, Ga
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 675 Varick St, N Y
Bartlett Chem, 1460 Peters St, New Orleans 13, La
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
E S Browning Co, 1515 3 St, San Francisco, Cal
*Calco Chem Div, Bound Brook, N J
Carrier-Stephens Co, Lansing, Mich
Cascade Chem Co, 3217 17 Ave W, Seattle, Wash
Chematar Inc, Exchange Pl, N Y 5
Chem Mfg Co, 21 West St, N Y
Chem Supply Co, 302 Railroad St, Neenah, Wis
Cole Labs, 42-25 9 St, L I C 1, N Y
C B Coburn Co, 63 Market St, Lowell, Mass
*Consolidated Chem Industries, 640 Mellie Esperon Bldg, Houston 2, Tex
*Cornwell Chem Corp, Cornwells Heights, Pa
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
*Detroit Chem Works, 125 S Junction Ave, Detroit 9, Mich
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E I Du Pont de Nemours & Co, Explosives Dept, Chem & Misc Sales Section & Grasselli Chem Dept, Wilmington 98, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Faesy & Besthoff, 325 Spring St, N Y 13
Gauge & Devin, 7 Front St, San Francisco 11, Cal
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*E Gumpert Corp, 75 West St, N Y 6
*H & W Chem, 182-200 Anderson Ave, Rochester 3, N Y
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Chem, First National Bank Bldg, Butler, Mo
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Hegeler Zinc Co, Danville, Ill
Hill Bros Chem Co, 1525 S 28 St, San Diego, Cal
Howe & French, Mfg Dept, E Weymouth, Mass
Ideal Chem & Supply Co, P O Box 5597, Memphis 4, Tenn
Industrial Chem Products Co, 422 E Beacon St, Dayton 2, Ohio
E & F King & Co, 640 Pleasant St, Norwood, Mass
Kingston Chem Co, 15 William St, N Y 5
*Koppers Co, Koppers Bldg, Pittsburgh, Pa
L J & M La Place, Leliarts Lane, E Paterson, N J
*Lewis Co, 232 Canal St, N Y 13
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
*Macklin Co, 2914 Wildwood Rd, Jackson, Mich
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
George Mann & Co, 251 Fox Point Blvd, Providence, R I
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
Alex M McIver & Son, Peoples Bldg, Charleston, S C
McKesson & Robbins, 155 E 44 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
Monarch Chem Works, 22 & Ave H, Omaha, Neb
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
*Naco Fertilizer Co, Seargent Jasper Bldg, Charleston, S C
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*National Zinc Co, P O Box 579, Bartlesville, Okla
*Naugatuck Chem, Naugatuck, Conn
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
Philipp Bros Chem, 37 Wall St, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
*Pittsburgh Coke & Chem Co, 1905 Grant Bldg, Pittsburgh 30, Pa
Prior Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Robinson Bros Chem, 255 Randolph St, Bklyn 6, N Y
*Rohm & Haas Co, Washington Square, Phila 5, Pa
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
F H Ross & Co, 1649 W Morehead St, Charlotte 1, N C
*Rumford Chem Works, Rumford, R I
Scher Bros, 519 Getty Ave, Clifton, N J
Seaboard Industries, 195 Keen St, Paterson, N J
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Simmons Products Co, 15 Moore St, N Y
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
*Summers Fertilizer Co, 194 Exchange St, Bangor, Me
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Jos Turner & Co, Ridgefield, N J
Vaughn Chem Co, 1102 E 3 St, Tulsa 3, Okla
A T Wagner Co, 2720 Wight St, Detroit 7, Mich
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y

DAVISON

Inorganic Acids

SULPHURIC ACID (H_2SO_4)

Contact Acid—Commercial grades: 60° Bé.; 66° Bé. and 98%; various commercial grades of Oleum up to 40%.

(*Shipment: Facilities for loading tank cars or barges.*)

HYDROFLUOSILICIC ACID (H_2SiF_6)

Technical grade; colorless fuming liquid, highly corrosive. Approximately 25% H_2SiF_6.

(*Shipment: In rubber-lined tank cars and rubber-lined drums.*)

USES

In ceramics; disinfectant of brass and copper vessels in breweries; technical paints; wood preservatives; impregnating compound and in electrolytic refining of lead.

Further information will be furnished upon request.

THE DAVISON CHEMICAL CORPORATION
BALTIMORE-3 • MARYLAND

*Company classifies itself as manufacturer or producer of this product

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Philadelphia • Cincinnati • Cleveland • Chicago • San Francisco • Los Angeles
In Canada: Mallinckrodt Chemical Works Ltd. Montreal—Toronto

Welch, Holme & Clark Co, 439 West St, N Y 14
Western Chem & Mfg Co, 3270 E Washington Blvd, Los Angeles 23, Cal
White Star Chem Corp, 2030 E Adams St, Jacksonville, Fla

ACID, SULFUROUS

H_2SO_3. Colorless, suffocating liq. or gas. Gas constants. Sp. gr. 1.43368. M.P.—76.1°C. B.P. 10°C. Sol. water. Uses—mfr. intermediates, sulfites, bisulfites, hydrosulfites, alums, salt cake, sulfuric acid, flour, food products, sulfite liquors; as preservative fruits, nuts, foods and wines; laboratory reagent; refrigerant in ice machines; fire extinguisher in mine fires; in bleaching fats, oils, silk, wool, straw hats, wicker work, sponges, feathers, furs, plumes; softening hides; tanning; smelting and refining ores; disinfecting ships; refining crude oils and paraffins; refining and bleaching sugar; in medicine. Grades—tech.

*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass

ACID, SULFUROUS ANHYDRIDE see Sulfur Dioxide

ACID, SULPHOCARBOLIC see Acid, Phenol Sulfonic

ACID, SULPHOPHENYLIC see Acid, Phenol Sulfonic

ACID, TANNIC (Tannin, Acid, Digallic, Acid, Gallotannic)

$C_{14}H_{10}O_9$. M.W. 322.08. Faintly yellowish amorp. powd. Decomp. at 200°C. M.P. 200°C. Sol. water, alcohol, acetone. Uses—mfr. tannates, gallic acid, pyrogallol, synth. drugs with metallic salts, organic bases, etc., writing and printing inks, metal coloring solutions, stove polishes, rubber substitutes; as tanning agent; alcohol denaturant; laboratory reagent; precipitant of gelatin in galvano plastic work; mordant in dyeing paper; deodorant for crude oil; general mordant in dyeing and printing textiles; clarifying agent wines and beers; in colloid solutions of noble metals; nickeling; copper coatings on brass; fur carroting; sizing paper; photographic processes; in medicine. Grades—U.S.P.; fluffy; C.P.; tech.

Aceto Chem Co, 82 Beaver St, N Y 5
American-British Chem Supplies, 180 Madison Ave, N Y
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Amplex Chem Co, 60 Wall St, N Y
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bernard Color & Chem Corp, 335 Hudson St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Chem Mfg Co, 21 West St, N Y
Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
Conray Products, 510 6 Ave, N Y 11
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Elbert & Co, 2 Broadway, N Y
European Chem Co, 366 Broadway, N Y 13
Gallard Schelsinger Chem Co, 92 Liberty St, N Y
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*E Gumpert Corp, 75 West St, N Y 6
Harwick Chem, First National Bank Bldg, Butler, Mo
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Innis, Speiden & Co, 117 Liberty St, N Y 6
L & R Organic Products Co, 50 White St, N Y 13
L J & M La Place, Leliarts Lane, E Paterson, N J
Legion Chem, 70 Wall St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Overseas Enterprises, 25 Beaver St, N Y
Philipp Bros Chem, 37 Wall St, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Prentiss Drug & Chem Co, 110 William St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Zinsser & Co, Railroad Ave, Hastings-On-Hudson, N Y

ACID, TAR

American-British Chem Supplies, 180 Madison Ave, N Y
J M Baird Co, 147 Nassau St, N Y
*Barrett Div, 40 Rector St, N Y 6
Chematar Inc, Exchange Pl, N Y 5
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
Harry H Davidson, 17 State St, N Y 4
Interlake Iron Corp, 1900 Union Commerce Bldg, Cleveland 14, Ohio
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
Overseas Enterprises, 25 Beaver St, N Y
Chas Page & Co, 50 E 42 St, N Y 17
*Productol Co, 417 S Hill St, Los Angeles 13, Cal
Reilly Tar & Chem Corp, 1615 Merchant Bank Bldg, Indianapolis 4, Ind
Reinhart Chem Corp, 405 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Tar Residuals, 420 Lexington Ave, N Y 17
*U S Steel Corp, Coal Chemical Sales Div, 525 Wm Penn Pl, Pittsburgh 30, Pa

*Company classifies itself as manufacturer or producer of this product

ACID, TARTARIC (Acid, Racemic—Tartaric, Acid, Dihydroxysuccinic, Acid, Dihydroxy-butanedioic)

$C_2H_2(OH)_2(COOH)_2$. Colorless cryst. Sp. gr. 1.7598. M.P. 170°C. Sol. water, alcohol, ether. Uses—mfr. tartrates, cream of tartar, tartar emetic, intermediates, organic chemicals, dyes, baking powd., sweetmeats, effervescent beverages, confectionery, bakery products, fruit esters, artificial wines. Schnitzler's green; as silvering and tanning agent; brightener of silks; resist and discharge in printing and dyeing textiles; tendering agent for cotton; in metal coloring compositions; printing and developing photographs; in medicine. Grades—U.S.P.; cryst.; powd.; granular; C.P.; tech.

American-British Chem Supplies, 180 Madison Ave, N Y
American Quinine Co, 15 William St, N Y
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
J H Bauminger, 421 7 Ave, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
F M Browning Co, 150 Broadway, N Y 38
Chem Mfg Co, 21 West St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
C B Coburn Co, 63 Market St, Lowell, Mass
Conray Products, 510 6 Ave, N Y 11
Consumers Products Co, 99 Hudson St, N Y 13
Continental Commodities Corp, 230 Park Ave, N Y 17
Enco Chem Corp, 441 Lexington Ave, N Y 17
European Chem Co, 366 Broadway, N Y 13
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Kingston Chem Co, 15 William St, N Y 5
L Kruger & Co, 75 West St, N Y
L J & M La Place, Leliarts Lane, E Paterson, N J
Legion Chem, 70 Wall St, N Y 5
Legion Export & Import Co, 261 W 15 St, N Y 11
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Herbert Marmorek & Son, 2153 78 St, Bklyn 14, N Y
McKesson & Robbins, 155 E 44 St, N Y 17
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
Mutchler Chem Co, 258 Broadway, N Y 7
Wm D Neuberg Co, 420 Lexington Ave, N Y 17
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Overseas Enterprises, 25 Beaver St, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Philipp Bros Chems, Inc, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Rumford Chem Wks, 13 Newman Ave, Rumford 16, R I
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
George Uhe Co, 76 9 Ave, N Y 14
O J Weeks Co, 16 Hudson St, N Y 13

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GUM ARABIC
GUM KARAYA
GUM TRAGACANTH

ACID, TETRAHYDROXY-HEXANEDIOIC see Acid, Mucic

ACID, TETRAPHOSPHORIC

$H_6P_4O_{13}$. Sp. gr. 2.060 at 20°C. Practically a water-white, viscous liq. When diluted with water reverts to O-phosphoric acid. It is a material of high P_2O_5 content with no water present except that of chemical combination.

American-British Chem Supplies, 180 Madison Ave, N Y
Chem Mfg Co, 21 West St, N Y
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo

ACID, THIOGLYCOLLIC (Mercaptoacetic Acid)

$HS.CH_2.COOH$. M.W. 92.09. Colorless liq. strong unpleasant odor. Sp. gr. 1.325. M.P.—16°C. B.P. 104-106°C. at 15 mm. Uses—as sensitive reagent for iron; mfr. of thioglycol ates, permanent wave solutions & depilatories.

American Roland Corp, 16 Hudson St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Evans Chemetics, 250 E 43 St, N Y 17
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
Mutchler Chem Co, 258 Broadway, N Y 7
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Stanton Labs, Bath Rd, Bristol, Pa

ACID, THIOPHENE-2-CARBOXYLIC

C_4H_3SCOOH. M.W. 128.13. Colorless cryst. Uses—in organic synthesis.

*Bios Labs, 17 W 60 St, N Y 23
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

ACID, THIOSALICYLIC

HSC_6H_4COOH. M.W. 154.18. Light yellow needles. M.P. 164-165°C. Sl. sol. water; sol. alcohol, gl. acetic acid. Uses—reagent for the determ. of iron; pharmaceut. preps.

*Bios Labs, 17 W 60 St, N Y 23
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
*Medical Chem Corp, 4122 W Grand Ave, Chicago 51, Ill
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

ACID, THYMIC see Thymol

ACID, TITANIC ANHYDRIDE see Titanium Dioxide

ACID, TOBIAS (2—Naphthylamine—1 Sulfonic Acid)

$C_{10}H_9NO_3S$. White needles. Decomp. at 230°C. Sol. hot water. Uses—mfr. azo dyes. Grades—tech.

*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, S I, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
J H Bauminger, 421 7 Ave, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
F M Browning Co, 150 Broadway, N Y 38
*Calco Chem Div, Bound Brook, N J
Chem Mfg Co, 21 West St, N Y
*Ciba Co, 627 Greenwich St, N Y 14
Fallek Products Co, 163 Broadway, N Y 6
Filo Color & Chem Corp, 202 E 44 St, N Y
M W Hardy & Co, 141 Broadway, N Y 6
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
Republic Chem Corp, 94 Beekman St, N Y 38
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Terra Chem, 801 2 Ave, N Y 17

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TARTAR EMETIC
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605 THIRD ST., SAN FRANCISCO 7, CALIF.

ACID, TOLUENESULFONIC

$C_6H_4(SO_3H)(CH_3)$. M.W. 172.12. Sol. alcohol, ether. Uses—dyes, organic synthesis. Grades—tech.

*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Sloss-Sheffield Steel & Iron Co, 3131 1 Ave, N Birmingham 2, Ala

ACID, p-TOLUENESULFONIC (4-Methylbenzenesulfonic Acid)

$CH_3C_6H_4SO_3H$. M.W. 172.12. Monoclinic leaf or gr. M.P. 106-7. B.P. 140°C. @ 20 mm. Hg. Sol. alcohol, ether. Sl. sol. water. Uses—intermediate, penetrating agent for certain uses. Grades—74% anhydrous.

Bendix Chem Corp, 420 Lexington Ave, N Y
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Sherwin-Williams Co, 100 Park Ave N Y 17
*Sloss-Sheffield Steel & Iron Co, 3131 1 Ave, N Birmingham 2, Ala
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y

ACID, TRANSCROTONIC see Acid, Crotonic

ACID, TRICHLOROACETIC

CCl_3COOH. M.W. 163.38. Colorless, very deliq. cryst. M.P. 57-58°C. Sol. water, alcohol, ether. Uses—as escharotic, astringent, hemostatic in medicine; precipitant of protein; decalcifier and fixer in microscopy.

Aceto Chem Co, 82 Beaver St, N Y 5
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Conray Products, 510 6 Ave, N Y 11
*Dow Chem Co, Midland, Mich
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis, Mo

ACID, TRICHLOROPHENOXYACETIC

Chapman Chem Co, 707 Dermon Bldg, Memphis, Tenn
*Dow Chem Co, Midland, Mich
*Kolker Chem Works, 80 Lister Ave, Newark 5, N J
*Thompson Horticultural Chem Corp, 2600 Conon St, Los Angeles 27, Cal

ACID, TRIFLUOROACETIC

CF_3COOH. M.W. 114.03. Colorless fuming liq. sharp odor. B.P. 72.4°C. Uses—organic syntheses.

*Bios Labs, 17 W 60 St, N Y 23
*Halogen Chem, 1505 Charlton Dr, Columbia, S C
*Minnesota Mining & Mfg Co, 367 Grove St, St Paul 1, Minn

ACID, TRIHYDROXYBENZOIC see Acid, Gallic

ACID, TRIOXYBENZOIC see Acid, Gallic

ACID, TUNGSTIC (Acid, Wolframic, Acid, o-Tungstic)

H_2WO_4. M.W. 250.02. Yellow powd. Sp. gr. 5.5 M.P. 100°C. Sol. alkalies, hydrofluoric acid. Insol. water. Uses—mfr. tungstates, tungsten wire, plastics; as metal mordant; resist in dyeing and printing.

*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Fallek Products Co, 163 Broadway, N Y 6
*Fansteel Metallurgical Corp, 2200 Sheridan Rd, N Chicago, Ill
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn

*Company classifies itself as manufacturer or producer of this product

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*North Metal & Chem Co, 638 E Mason Ave, York, Pa
Prior Chem Corp, 420 Lexington Ave, N Y 17
*S W Shattuck Chem Co, 1805 S Bannock St, Denver, Col
*Sylvania Electric Products Co, Towanda, Pa
*Wah-Chang Corp, 233 Broadway, N Y 7

ACID, o-TUNGSTIC see Acid, Tungstic

ACID, UMBELLIC see Acid, Anisic

ACID, UNDECYLENIC

$CH_2{:}CH(CH_2)_8COOH$. M. W. 174. Colorless liq. Uses—medical preps.

American Roland Corp, 16 Hudson St, N Y
*Baker Castor Oil Co, 120 Broadway, N Y 5
*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
Conray Products, 510 6 Ave, N Y 11
P R Dreyer, 113 W 19 St, N Y
*Givaudan-Delawanna, 330 W 42 St, N Y 18
R F Revson Co, 243 W 17 St, N Y 11
Smith-NY Co, 61 Hampton Pl, Freeport, N Y
*Verona Chem Co, 26 Verona Ave, Newark, N J
*Wallace & Tiernan Products, 11 Mill St, Belleville 9, N J

ACID, UNDECYLIC (Undecanoic Acid)

$CH_3(CH_2)_9COOH$. M.W. 186.29. Colorless crystalline solid. M.P. 30°C. Insol. water; sol. organic solvents. Uses—organic synthesis.

*Baker Castor Oil Co, 120 Broadway, N Y 5
*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Wallace & Tiernan Products, 11 Mill St, Belleville 9, N J

ACID, URIC (Triketopurine)

$C_5H_4O_3N_4$. M.W. 168.06. Sp. gr. 1.893 at 20°C. Cryst., white powd. Sl. sol. water; insol. alcohol, ether; sol. strong alkalies. Uses—mfr. pharmaceuticals, as a labora.ory chemical.

*American Quinine Co, 15 William St, N Y
*Bios Labs, 17 W 60 St, N Y 23
City Chem Corp, 132 W 22 St, N Y 11
*Kingston Chem Co, 15 William St, N Y 5

ACID, VALERIC (Acid, Pentanoic)

C_4H_9COOH. Colorless liq. B.P. 186°C. Sp. gr. 0.940. Sl. sol. water; miscible alcohol, ether. Uses—syntheses for flavors, perfumes.

*Bios Labs, 17 W 60 St, N Y 23

ACID, VALERIC, continued

Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17

ACID, VANADIC ANHYDRIDE see Vanadium Pentoxide

ACID, VINEGAR see Acid, Acetic

ACID, WOLFRAMIC see Acid, Tungstic

ACIDS, AMINO

Various organo-nitrogen acids such as arginine, cysteine, cystine, glycine, alanine, serine, phenylalanine, tyrosine, valine leucine, proline, tryptophan, aspartic, glutamic, lysine, histamine, histidine, etc. Available in pure form or in balanced mixtures. Uses—pharmaceutical and food.

*Alrose Chem Co, 180 Mill St, Cranston 5, R I
J M Baird Co, 147 Nassau St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
*E F Drew & Co, 15 E 26 St, N Y 10
*B F Goodrich Chem Co, 2060 E 9 St, Cleveland 15, Ohio
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Kingston Chem Co, 15 William St, N Y 5
Lack Chem Co, 19 Park Pl, N Y 7
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Nepera International Corp, 37 Wall St, N Y 5
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Pfanstiehl Chem Co, 104 Lakeview Ave, Waukegan, Ill
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y
*Winthrop-Stearns, 1450 Broadway, N Y 18

ACIDS, FATTY (Distilled)

Uses—mfr. synth. resins; soaps; kier assistant, driers, metal polishes, insecticides; mfr. pulp and paper; textile finishing compound and lubricant; mfr. pharmaceuticals, carbon paper, typewriter ribbons; rubber softeners, wetting agent for pigments; mfr. flooring compounds, black paints, driers for varnishes; dispersing agents for carbon black in rubber; lubricants, cutting agents for steels, drying and lithographic oils, plasticizers for gums; gasoline resistant coatings.

J C Ackerman Co, Penn-Lincoln Hotel, Pittsburgh 21, Pa
American Firstoline Corp, 420 Lexington Ave, N Y
*Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2, Ohio
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I

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*Company classifies itself as manufacturer or producer of this product

FATTY ACIDS	PRINCIPAL USES	CHEMICAL CHARACTERISTICS			
		ACID No.	SAP. No.	Iod. No.*	Titre °C
Capric Acid, Technical, Distilled	Base for chemical synthesis, wetting agents	308-315	310-320	1.5-3	19-22
Castor Fatty Acids (ricinoleic acid Tech.)	Cosmetics, shampoos, synthetic resins—esters	170-180	185-195	85-90	below 5
Chinawood Fatty Acids, Split (Elaeostearic Acid Tech)	Driers, varnish compounds—esters	195-202	198-204	160	38-44
Cocoanut Fatty Acids, C.S.	Soaps, shaving creams, shampoos, rubber wetting agent, esters, plasticizers	250-260	260-275	10-15	——
Cocoanut Fatty Acids, Distilled	Soaps, shaving creams, shampoos, rubber wetting agent, alkyd resins—esters	260-270	263-274	9-15	21-25
Conjulin Fatty Acid (Linseed)	Synthetic resins, driers—esters	197-199	199-201	180-185X	18-24
Conjusoy Fatty Acid (Soyabean)	Synthetic resins, driers—esters	197-199	199-201	130-140X	19-23
Corn Fatty Acid Distilled	Soap	194-202	195-203	105-125	27-33
Cottonseed Fatty Acids, Supra Distilled	Alkyd Resins—esters	197-204	198-203	90-110	36-40
Cottonseed Fatty Acids, Distilled	Soaps	194-202	195-200	85-110	34-39
Cottonseed Fatty Acids, High Titre, Dist.	Base for soap greases and soaps	200-208	201-210	65-73	43-48
C.P. Soapstock, Single Distilled	Soaps	170-190	173-193	65-100	26-35
C.P. Soapstock, Double Distilled	Soaps	182-194	185-196	72-96	31-36
Distoline, Distilled	Kier assistant, soaps, metal polishes, driers, insecticides, pulp and paper manufacturing	192-196	193-198	105-125	20-24
Fatty Acid, No. 147	Hard and metallic soaps and grease bases, drawing and buffing compounds, rubber	196-200	198-202	7.5-8.5	62-64
Fatty Acid No. 149	Rubber Compounding, pharmaceuticals, cosmetics, soaps, candles, recording material	204-206	205-208	6.5 max.	58-59
Fatty Acid No. 150	Candles, recording material, rubber, metallic soaps, pharmaceuticals, cosmetics, emulsifying agents, buffing compounds, esters	204-206	205-207	3.5 max.	63-64
Fatty Acid No. 646, Distilled	Soyabean and linseed type Alkyd Resins	185-190	187-194	115-120	25-28
Helioline "A" Distilled	Alkyd Resins, synthetic drying oils	195-200	196-200	120-130	20-24
Helioline "S" Distilled	Dry cleaning soaps	195-200	196-200	110-125	20-24
High Titre Vegetable Fatty Acid	Soaps, Lubricating Greases	200-208	201-209	70-90	42-48
Isoline Fatty Acid, Distilled (9-11 octadecadienoic acid — 1) Supra	Alkyd Resins—non yellowing; driers—esters	194-198	195-200	150-160†	below 5
Lauric Acid, Technical, Distilled	Chemical Synthesis, Soaps, esters, synthetic detergents	270-280	272-282	1.5-4	30-40
Linseed Fatty Acids "Supra", Distilled	Alkyd Resins of light color, esters	195-200	196-202	175-190	17-22
Linseed Acids, No. 1, Split	Alkyd Resins	185-190	195-202	170-185	15-21
Linseed Acids, No. 3, Distilled	Soaps, emulsifying agents	185-190	188-193	140-150	18-22
Linseed Fatty Acids "W", Distilled	Alkyd Resins, Soaps	194-200	195-202	150-165	21-25
Marine Fatty Acids, Distilled	Soaps, Alkyds	193-195	196-200	127-145	20-24
Marine Fatty Acids, Split	Linoleum, oilcloth	188-190	194-196	158-170	20-21
Mixed Fatty Acids, Distilled	Soap	194-202	195-203	95-120	26-31
Myristic Acid, Distilled	Soaps, Cosmetics	240-245	242-247	4-13	41-44
Olivine, Distilled	Olive type Soaps	196-198	198-200	85-98	22-24
Palm Fatty Acids, Single Distilled	Soaps	195-204	196-206	45-60	42-46
Palm Fatty Acids, Double Distilled	Textile finishing compounds, soaps	197-203	199-206	38-55	44-48
Palm Fatty Acids, Split	Soaps	185-195	195-203	48-56	42-46
Peanut Fatty Acids, Distilled	Soap	194-202	195-203	90-110	26-32
Perilla Fatty Acids, Distilled	Alkyd Resins	196-201	198-204	195-200	11-15
Rapeseed Fatty Acids, Distilled	Alkyd Resins	177-180	180-183	100-110	10-15
Sardine Fatty Acids, Distilled	Alkyd Resins	197-203	200-206	115-130	28-36
Soya Fatty Acid "A" Distilled	Alkyd Resins—Synthetic Drying Oils	194-202	195-203	120-130	23-29
Soya Fatty Acids, "S" Distilled	Soaps	194-202	195-204	115-130	24-30
Soya Fatty Acids, H.R., Distilled	Alkyd Resins of light color—esters	195-200	196-202	130-140	22-26
Soya Fatty Acids, H.R. "Supra" Distilled	Alkyd Resins of very light color—Esters	196-202	197-202	130-140	22-25
Soya Fatty Acids "170"	Alkyd Resins	170-180	171-181	120-135	24-29
Sunflower Fatty Acids, Distilled	Alkyd Resins	197-200	200-203	125-135	20-24
Tallow Fatty Acids, Distilled	Soaps, Synthetic Detergents, leather and Textile Specialties, polishes	197-206	199-210	50-60	40-43

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Single Distilled Soya Fatty Acids
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*Baker Castor Oil Co, 120 Broadway, N Y 5
Barclay Chem Co, 75 Varick St, N Y
J H Bauminger, 421 7 Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
*Celina Stearic Acid Co, 410 S Ash St, Celina, Ohio
*Century Stearic Acid Candle Works, 41 E 42 St, N Y 17
Chematar Inc, Exchange Pl, N Y 5
T G Cooper & Co, Cedar & Venango Sts, Phila 34, Pa
*Cosmetic Mfg Supply Co, 2967 S LaSalle St, Chicago, Ill
M D Craig & Co, 11 Broadway, N Y 4
*E F Drew & Co, 15 E 26 St, N Y
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
Frank G Fanning, 50 E 42 St, N Y 17
*Gen Mills, Chem Div, 400 2 Ave S, Minneapolis, Minn
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
W C Hardesty Co, 41 E 42 St, N Y 17
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*J H Hinz Co, 405 Rockefeller Bldg, Cleveland 13, Ohio
*Kamen Soap Products Co, 233 Broadway, N Y 7
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
George Mann & Co, 251 Fox Point Blvd, Providence, R I
*Marcus-Ruth-Jerome Co, 327 S LaSalle St, Chicago, Ill
T F McAdam, 125 Broad St, N Y 4
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Rimco Trading Corp, 3001 Netherland Ave, N Y 63
Scher Bros, 519 Getty Ave, Clifton, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Snow & Co, 3039 E 12 St, Los Angeles, Cal
*Southern Cotton Oil Co, 25 Broad St, N Y 4
Jos Turner & Co, Ridgefield, N J
*Vegetable Oil Products Co, 410 S Avalon Blvd, Wilmington, Cal
Vitamins Inc, 809 W 58 St, Chicago 21, Ill
Welch, Holme & Clark Co, 439 West St, N Y 14
West Va Pulp & Paper Co, 230 Park Ave, N Y 17
*Woburn Chem Corp, 1200 Harrison Ave, Kearny, N J
Paul W Wood Co, 350 Townsend St, San Francisco 7, Cal

FATTY ACIDS
of
Coconut Oil
Cottonseed Oil
Peanut Oil
Tallow
Corn Oil
Palm Oil
Soybean Oil
Red Oil
Stearic Acid

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INCORPORATED
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TELEPHONE: RECTOR 2-5687

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Manufacturers of

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- STEARIC ACID
- GLYCERINE
- OLEIC ACID
- LARD OIL
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*Company classifies itself as manufacturer or producer of this product

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•

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Thermoplastic Resins for heat-sealing coatings, (on paper label stock, foil, cellophane) for overcoat finishes, textile and leather treatment.

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DISTILLED —SPLIT
COTTONSEED PITCH
VEGETABLE OILS—ALL GRADES
OIL SEED CAKES—MEALS

THE SOUTHERN COTTON OIL CO.

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• Cottonseed • Soybean
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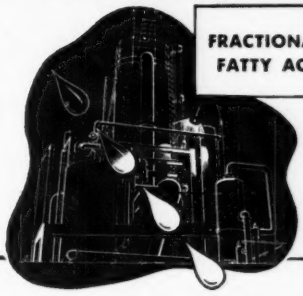
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Additives

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ACIDS, FATTY WOOL GREASE

J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Darling & Co, 4204 S Ashland Ave, Chicago 9, Ill
Frank G Fanning, 50 E 42 St, N Y 17
*Kamen Soap Products Co, 233 Broadway, N Y 7
Walter A Reinicke, 549 W Washington Blvd, Chicago 6, Ill

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$RPHO_2H$. Kerosene phosphinic acid contains a phosphorus-to-carbon linkage and is derived from the hydrocarbons contained in kerosene. It is a brittle, glassy solid of low melting point, soluble in most common organic oxygenated solvents. Benzene phosphinic acid has a characteristic phosphine-like odor. They have possible application as insecticides and fungicides as well as other applications characteristic of organic phosphorus compounds.

*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

ACIDULLA see Acid, Glutamic Hydrochloride

ACONITIC ANHYDRIDE

*Bios Labs, 17 W 60 St, N Y 23
T F McAdam, 125 Broad St, N Y 4
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y

ACRIDINE

$C_{13}H_9N$. Small, colorless cryst. M.P. 111°C. B.P. above 360°C. Sublimes at 100°C. Sol. ether, alcohol, carbon bisulfide; alti. sol. hot water. Uses—mfr. dyestuffs, intermediates.

*Bios Labs, 17 W 60 St, N Y 23
*National Aniline Div, 40 Rector St, N Y 6
Reilly Tar & Chem Corp, 1615 Merchant Bank Bldg, Indianapolis 4, Ind

ACROLEIN (Acrylic Aldehyde, Propenal, Allyl Aldehyde, Ethylene Aldehyde)

CH_2CHCHO. M.W. 56.03. Colored liq. Sp. gr. 0.84. M.P. —87.7°C. B.P. 52.5°C. Sol. water, alcohol, ether. Inflammable. Uses—in petroleum solvent extraction processes; organic synthesis; in chemical warfare.

*American Cyanamid Co, 15 William St, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Kingston Chem Co, 15 William St, N Y 5

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Mercantile Securities Bldg., Dallas, Texas

ACRYLIC ALDEHYDE see Acrolein

ACRYLIC LIQUID see Methyl Methacrylate (Monomer)

ACRYLONITRILE (Propene Nitrile)

CH_2CHCN. M.W. 53.03. Colorless, inflammable liq. B.P. —77°C. M.P. —83°C. In —84°C. Partially miscible with water. Uses—intermediate in production of synth. rubbers.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y

ACTIVATORS, INSECTICIDE

Products that increase the effectiveness of insecticides by retarding oxidation, acting as a solvent for toxic resins, or serving as an emulsifying, wetting and spreading agent.

*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
Chem Insecticide Corp, 57 13 St, Bklyn 15, N Y
*Kay-Fries Chem, 180 Madison Ave, N Y 16
McLaughlin Gormley King Co, 1715 S E 8 St, Minneapolis 14, Minn
Mich Chem Corp, 500 N Bankson St, St Louis, Mich
John Powell & Co, 1 Park Ave, N Y 16
Speiden-Whitfield Co, 154 Nassau St, N Y 38
*U S Industrial Chem, 60 E 42 St, N Y

ACTIVATORS, RUBBER

Chemical compounds, chiefly organic, which speed the curing process of rubber and improve the quality of the product. See also Aniline, Antimony Sulfide, Di-o-Tolylguanidine, Di-phenylguanidine, p-Nitrosodimethylaniline, Thiocarbanilide, Triphenylguanidine, etc.

*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*E F Drew & Co, 15 E 26 St, N Y 10
*E I Du Pont de Nemours & Co, Organic Chem Dept, Rubber Chem Div, Wilmington 98, Del
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
Emil Klemm, 1946 S Main St, Salt Lake City, Utah
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*J M Huber Corp, 100 Park Ave, N Y 17
*Kaiser Aluminum & Chem Sales, 1924 Broadway, Oakland 12, Cal
*Naugatuck Chem, Naugatuck, Conn
*Rare Metal Products Co, Atglen, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Witco Chem Co, 295 Madison Ave, N Y 17

ADDITIVES, LUBRICANT

*Alrose Chem Co, 180 Mill St, Cranston 5, R I
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Lecithin Co, 57-01 32 Ave, Woodside, N Y
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Baker Castor Oil Co, 120 Broadway, N Y 5
*Barrett Div, 40 Rector St, N Y 6
*U B Bray Co, 3344 Medford St, Los Angeles, Cal
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
*Dow Chem Co, Midland, Mich
*Dow Corning Corp, Midland, Mich
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Enjay Co, 15 W 51 St, N Y 19
Frank G Fanning, 50 E 42 St, N Y 17
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Hardesty Chem Co, 41 E 42 St, N Y
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Marcus-Ruth-Jerome Co, 327 S LaSalle St, Chicago, Ill
*M Michel & Co, 90 Broad St, N Y 4
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis, Mo
*Ohio-Apex, Nitro, W Va
*Oronite Chem Co, 38 Sansome St, San Francisco, Cal
*Patent Chem, 335 McLean Ave, Paterson 4, N J
Petroleum Specialties, 205 E 42 St, N Y 17
*Robinson, Wagner Co, 110 E 42 St, N Y 17
Ross & Rowe, 50 Broadway, N Y 4
*Shell Chem Corp, 50 W 50 St, N Y 20
*Sinclair Refining Corp, 600 S Ave, N Y 18
*Standard Oil Co, 910 S Mich Ave, Chicago 80, Ill
*Stepan Chem Co, 1353 N Branch St, Chicago 22, Ill
*Tennessee Eastman Co, 10 E 40 St, N Y
Universal Chem Co, 30 Huntington Ave, Boston, Mass
R T Vanderbilt Co, 230 Park Ave, N Y
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
*Wasco Engrg Corp, 601 W 26 St, N Y 1
*Wilmot & Cassidy, 108 Provost St, Bklyn 22, N Y
Witco Chem Co, 295 Madison Ave, N Y 17

ADDITIVES, STEEL

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Kaiser Aluminum & Chem Sales, 1924 Broadway, Oakland 12, Cal

*Company classifies itself as manufacturer or producer of this product

ADDITIVES, WAX

*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2, Ohio
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
*Dow Corning Corp, Midland, Mich
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Gen Wax Refg Co, 386 4 Ave, N Y
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Halowax Products Div, Union Carbide & Carbon Corp, 30 E 42 St, N Y 17
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*M Michel & Co, 90 Broad St, N Y 4
*Pyroxylin Products, 4851 S St Louis Ave, Chicago 32, Ill
*Shell Chem Corp, 50 W 50 St, N Y 20
*Vegetable Oil Products Co, 410 S Avalon Blvd, Wilmington, Cal

ADEPS LANAE see Lanolin

ADEPS MINERALIS see Petrolatum

ADHESIVE BASES

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American Firstoline Corp, 420 Lexington Ave, N Y
*American Products Mfg Co, 1827-1833 Oleander & Dublin Sts, New Orleans 18, La
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*Angier Products, 120 Potter St, Cambridge 42, Mass
*Arabol Mfg Co, 110 E 42 St, N Y 17
*Block Bros, 141-149 2 Ave S, Nashville 2, Tenn
*Peter Cooper Corp, Gowanda, N Y
*Dewey & Almy Chem Co, 62 Whittemore Ave, Cambridge 40, Mass
*Thomas W Dunn Co, 340 Pearl St, N Y 38
*E I Du Pont de Nemours & Co, Electrochem Dept & Grasselli Chem Dept, Wilmington 98, Del
*H B Fuller Co, 255 Eagle St, St Paul 2, Minn
*B F Goodrich Chem Co, 2060 E 9 St, Cleveland 15, Ohio
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Madison Glue Corp, 200 W 34 St, N Y 1
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Midland Glue Products Co, 1478 Madison Ave, Detroit, Mich
*Monsanto Chem Co, Plastics Div, Springfield, Mass
*Morningstar Nicol, 630 W 51 St, N Y 19
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Paisley Products, 630 W 51 St, N Y
*Perkins Glue Co, Lansdale, Pa
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Polymer Industries, 284 Sheffield Ave, Bklyn 7, N Y
*Precision Testing Labs, P O Box 973, Worcester 1, Mass
*Pyroxylin Products, 4851 S St Louis Ave, Chicago 32, Ill
*Shawinigan Products Corp, 350 5 Ave, N Y 1
Stein, Hall & Co, 285 Madison Ave, N Y 17
*United Paste & Glue Corp, 40-42 Renwick St, N Y 13

ADHESIVES

*Adhesive Products Corp, 1660 Boone Ave, N Y
*Alltex Rubber & Chem Co, 400 W 219 St, N Y 34
*American Anode, 60 Cherry St, Akron 8, Ohio
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*American Finish & Chem Co, 1012 Broadway, Chelsea 50, Mass
*American-Marietta Co, 3400 13 Ave S W, Seattle Wash
*American Products Mfg Co, 8127-8133 Oleander & Dublin Sts, New Orleans 18, La
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*Angier Products, 120 Potter St, Cambridge 42, Mass
*Arabol Mfg Co, 110 E 42 St, N Y 17
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Armstrong Cork Co, Liberty & Mary Sts, Lancaster, Pa
*Atlas Adhesives, Leverington Ave & Flat Rock Rd, Phila, Pa
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*B B Chem Co, 784 Memorial Dr, Cambridge 39, Mass
*Bakelite Co Div, 30 E 42 St, N Y 17
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
*Borden Co, 350 Madison Ave, N Y 17
*Borg-Warner Corp, 1926 W 10 Ave, Gary, Ind
*Catalin Corp of America, 1 Park Ave, N Y 16
*Ciba Co, 627 Greenwich St, N Y 14
*Peter Cooper Corp, Gowanda, N Y
*Corn Belt Adhesives, 815 22 Ave, Council Bluffs, Iowa
*Craftint Mfg Co, E 52 St at Collamer Ave, Cleveland 10, Ohio
*Delany & Co, Milnor & Cottman Sts, Tacony 35, Pa
*Dewey & Almy Chem Co, 62 Whittemore Ave, Cambridge 40, Mass
*Thomas W Dunn Co, 340 Pearl St, N Y 38

ADHESIVES, continued

*E I Du Pont de Nemours & Co, Electrochem Dept & Grasselli Chem Dept, Wilmington 98, Del
*Durez Plastics & Chem, 5 Walck Rd, N Tonowanda, N Y
*H Gartenberg & Co, 412 Pershing Rd, Chicago 9, Ill
*Knefler Bates Co, 1730 W Mich St, Indianapolis 6, Ind
*F G Findley Co, W Pemberton & N 30 Sts, Milwaukee 45, Wis
Flintkote Co, 30 Rockefeller Plaza, N Y 20
*Benjamin Foster Co, 4635 W Girard Ave, Phila 31, Pa
*H B Fuller Co, 255 Eagle St, St Paul, 2, Minn
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Gen Latex & Chem Corp, 666 Main St, Cambridge, Mass
Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
*H V Hardman Co, Belleville 9, N J
C B Hewitt & Bros, 25 Greene St, N Y 13
*Higgins Ink Co, 271 9 St, Bklyn 15, N Y
Arthur S Hoyt Co, 175 5 Ave, N Y
*Hughes Glue Co, 3500 St Aubin Ave, Detroit 7, Mich
*Industrial Chem Specialties Co, P O Box 456, Baytown, Tex
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Joy Chem Co, 133 Webster St, Pawtucket, R I
*Kamen Soap Products Co, 233 Broadway, N Y 7
*Kem Products Co, 227-229 High St, Newark 2, N J
*Kepec Chem Corp, 1454 N 4 St, Milwaukee, Wis
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Lox Mfg Co, 3310 E 31 St, Kansas City, Mo
*Maas & Waldstein Co, 438 Riverside Ave, Newark, N J
*Madison Glue Corp, 200 W 34 St, N Y 1
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*Marblette Corp, 37-21 30 St, L I C 1, N Y
*Marks Chem Works, 20 W 22 St, N Y 10
*Merchants Chem Co, 60 E 42 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Midland Glue Products Co, 1478 Madison Ave, Detroit, Mich
*Monsanto Chem Co, Plastics Div, Springfield, Mass
*Monsanto Chem Co, Western Div, 421 S W 6 Ave, Portland, Ore
*Montgomery Bros, Penrose & Packer Ave, Phila, Pa
*Morningstar Nicol, 630 W 51 St, N Y 19
*National Casein Sales, 601-619 W 80 St, Chicago 20, Ill
*Naugatuck Chem, Naugatuck, Conn
New England Chem Co, 486 Boylston St, Boston 16, Mass
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Paisley Products, 630 W 51 St, N Y
*Pierce & Stevens, 710 Ohio St, Buffalo 3, N Y
*Perkins Glue Co, Lansdale, Pa

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ADHESIVES, continued

*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Polymer Industries, 284 Sheffield Ave, Bklyn 7, N Y
*I Pomeroy Co, 26 Nicholson St, Newark 2, N J
*Precision Testing Labs, P O Box 973, Worcester 1, Mass
*Pyroxylin Products, 4851 S St Louis Ave, Chicago 32, Ill
*R & A Leather Finish Co, 812 E 43 St, Bklyn 10, N Y
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Rogers Isinglass & Glue Co, 210 Eastern Ave, Gloucester, Mass
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J
*Sauereisen Cements Co, Sauereisen Blvd, Sharpsburg Pittsburgh, Pa
*Scriptex Products Co, 513 S 2 St, Phila, Pa
*Snyder Chem Corp, Henry St, Bethel, Conn
*Stein, Hall & Co, 285 Madison Ave, N Y 17
*Stiktotin Co, 20 W 22 St, N Y 10
*H I Thompson Co, 1733 Cordova St, Los Angeles, Cal
Union Bay State Chem Co, 491 Main St, Cambridge 42, Mass
*Union Paste Co, 1605 Hyde Park Ave, Hyde Park 36, Mass
*United Paste & Glue Corp, 40-42 Renwick St, N Y 13
*Vas Cleef Bros, 7800 Woodlawn Ave, Chicago 19, Ill
*Zophar Mills, 116 26 St, Bklyn 32, N Y

ADORIN see Formaldehyde

ADSORBENTS

*Atlas Powder Co, Darco Div, 60 E 42 St, N Y
*Attapulgus Clay Co, 210 W Washington Sq, Phila, Pa
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
*Floridin Co, 200 Liberty St, Warren, Pa
*Gen Reduction Co, 1820 Roscoe St, Chicago 13, Ill
Howe & French, Mfg Dept, E Weymouth, Mass
Innis, Speiden & Co, 117 Liberty St, N Y 6
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*Mineralite Sales Corp, 90 Pine St, N Y 5
*National Carbon Co, 30 E 42 St, New York 17, N Y
*Pittsburgh Coke & Chem Co, Grant Bldg, Pittsburgh, Pa
L A Salomon & Bro, 216 Pearl St, N Y 38
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
West Va Pulp & Paper Co, 230 Park Ave, N Y 17

ADSORBENTS, OIL & GREASE

Braun Knecht Heimann Co, 1400 16 St, San Francisco, Cal
Dickerson Co, Drexel Bldg, Phila 6, Pa
*Floridin Co, 200 Liberty St, Warren, Pa
Harry Haze, 435 N Michigan Ave, Chicago 11, Ill
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Kaiser Aluminum & Chem Sales, 1924 Broadway, Oakland 12, Cal
Lewis Chem Co, 400 Northampton St, Boston 18, Mass
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Merchants Chem Co, 60 E 42 St, N Y 17
*Pennsylvania Refining Co, 2686 Lisbon Rd, Cleveland, Ohio
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
*Wasco Engrg Corp, 601 W 26 St, N Y 1

ADUROL see Chlorohydroquinone

AETHER ACETICUS see Ethyl Acetate

AETHON see Triethyl o-Formate

AGAL see Agar

AGAR (Agal, Bengal, Japan or Chinese Isinglass, Japanese Gelatin, Layor—Carang)

A vegetable gelatin extracted from various marine algae from Pacific and Indian Oceans. Colorless, amorp. Solid. Sol. hot water. Uses—mfr. adhesives; as thickener for soups, ice cream, milk and other foods; nutrient for bacterial cultures; size for silk; thickener and ingredient in dyeing and printing textiles; in sensitized photographic emulsions; in medicine. Grades—U.S.P. No. 1, 2, 3, as to quality and color. American agar, large flake, small flake, ground, bolted.

*American Agar & Chem Co, P O Box 431, San Diego 12, Cal
*Consumers Import Co, 350 5 Ave, N Y 1
Consumers Products Co, 99 Hudson St, N Y 13
Delton Products Corp, 154 Nassau St, N Y 7
T M Duche & Sons, 117-119 Hudson St, N Y 13
Enco Chem Corp, 441 Lexington Ave, N Y 17
Faltek Products Co, 163 Broadway, N Y 6
Hathaway Allied Products, 2024 Westgate Ave, Los Angeles 25, Cal
*Krim-Ko Corp, 63 David St, New Bedford, Mass
*Marine Products Co, 345 W 1 St, Boston 27, Mass
T F McAdam, 125 Broad St, N Y 4

AGAR, continued

*Meer Corp, 318 W 46 St, N Y 19
Mutchler Chem Co, 258 Broadway, N Y 7
Overseas Enterprises, 25 Beaver St, N Y
Herbert H Parker, 2 Broadway, N Y 4
*S B Penick & Co, 50 Church St, N Y 7
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Smith Crude Drug & Spice Corp, 101 Beekman St, N Y
George Uhe Co, 76 9 Ave, N Y 14
Wah-Chang Corp, 233 Broadway, N Y 7

AIR DE-HUMIDIFIERS

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
*Solvay Sales Div, 40 Rector St, N Y 6

ALABASTER see Gypsum

ALANINE

$C_3H_7O_2N$. M.W. 89.08. White cryst.; sol. water, alcohol; insol. ether.

*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
*Dow Chem Co, Midland, Mich
Gen Biochem, 7 Laboratory Park, Chagrin Falls, Ohio

b-ALANINE

$NH_2CH_2CH_2COOH$. M.W. 89.1. White, crystalline solid. Very sol. water; sl. sol. methyl alcohol; insol. ethyl ether, benzene, naphtha, ethyl acetate. Uses—synthesis of pantothenic acid.

*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
*B F Goodrich Chem Co, 2060 E 9 St, Cleveland 15, Ohio
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*R P Scherer Corp, 9425 Grinnell Ave, Detroit 13, Mich

ALAPURIN see Lanolin

ALBUMIN, BLOOD

Natural product prepared from serum drained from blood. Brown, amorp. lumps. Sol. alcohol, water. Uses—mfr. albuminates, dye preps, sweetmeats, baked products, foodstuffs, adhesives, special varnishes, artificial ivory; fixing gold on leather; finishing leather; paper size; in lustrous coating compositions for photographic papers; mordant in dyeing and printing; wine clarifying agent; in medicine. Grades—tech., light and dark.

Amplex Chem Co, 60 Wall St, N Y
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Bios Labs, 17 W 60 St, N Y 23
Paul A Dunkel & Co, 1 Wall St, N Y 5
*Fine Organics, 211 E 19 St, N Y 3
*H Gartenberg & Co, 412 Pershing Rd, Chicago 9, Ill
Wm E Maher, P O Box 28, Astoria Station 2, L I C, N Y
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Seaboard Industries, 195 Keen St, Paterson, N J
Irving M Sobin Co, 74 Granite St, Boston 10, Mass

ALBUMIN, EGG (Ovalbumin)

Natural product prepared by drying egg whites. Yellowish, amorp. lumps or powd. Sol. alcohol. Uses—mfr. leather, varnishes, adhesives, ivory substitutes, foodstuffs; as wine clarifying agent; in finishing leather; in photography; fixing certain dyes. Grades—tech.; edible.

Albumina Supply Co, 2 Broadway, N Y 4
American-British Chem Supplies, 180 Madison Ave, N Y
J T Baker Chem Co, Phillipsburg, N J
*Bios Labs, 17 W 60 St, N Y 23
Chem Service Corp, 82 Beaver St, N Y 5
*Consumers Import Co, 350 5 Ave, N Y 1
Consumers Products Co, 99 Hudson St, N Y 13
Paul A Dunkel & Co, 1 Wall St, N Y 5
T M Duche & Sons, 117-119 Hudson St, N Y 13
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*H Gartenberg & Co, 412 Pershing Rd, Chicago 9, Ill
Hukill Chem Corp, 2533 Broadway, Cleveland 13, Ohio
Philip A Hunt Co, Palisades Park, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Monarch Chem Works, 22 & Ave H, Omaha, Neb
Herbert H Parker, 2 Broadway, N Y 4
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Stein, Hall & Co, 285 Madison Ave, N Y 17
Wah-Chang Corp, 233 Broadway, N Y 7

ALBUMIN, MILK (Wheyalbumin)

An albumene prepared from milk by coagulating the casein. Uses—mfr. adhesives, varnishes, ivory substitutes.

Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y

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A specially selected and activated bauxite, manufactured to low iron and high moisture adsorption specifications in a number of standard meshes.

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ALBUMIN, TANNATE

Yellowish-white, odorless powd. Uses—in medicine.

*Bilhuber-Knoll Corp, 377 Crane St, Orange, N J
*Chemo Puro Mfg Corp, 26-20 Skillman Ave, L I C 1, N Y
*Conray Products, 510 6 Ave, N Y 11
*Fallek Products Co, 163 Broadway, N Y 6
*Lamex Chem Corp, 25 Broadway, N Y 4
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

ALCOHOL, ALLYL (Propenol, Propenyl Alcohol)

CH_2CHCH_2OH. M.W. 58.05. Colorless liq. of pungent odor. Sp. gr. 0.855. M.P. —129°C. B.P. 97°C. Sol. alcohol, water, ether. Uses—mfr. intermediates, organic chemicals, military gas, pharmaceutical derivatives. Grades—tech. in strengths up to 30%.

Bell Chem Co, 25 W 44 St, N Y 18
*Shell Chem Corp, 50 W 50 St, N Y 20

ALCOHOL, AMYL-ISO (Isobutyl Carbinol)

$(CH_3)_2CHCH_2CH_2OH$. Mixture approx. 85% iso-amyl-alcohol and 15% active amyl alcohol. Water white liq. Sp. gr. at 20°/20°C 0.811-0.815. F.P. 111°F. B.P. 131°C. Fire hazard. Combustible, but not inflammable: flash point over 80°F. Wt. per gal. at 20°C 6.76 lbs. Uses—as an intermediate in the mfr. of fine chemicals and pharmaceuticals.

American-British Chem Supplies, 180 Madison Ave, N Y
W W Angus, 220 Broadway, N Y
*J T Baker Chem Co, Phillipsburg, N J
Bell Chem Co, 25 W 44 St, N Y 18
Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Publicker Industries, 1429 Walnut St, Phila, Pa
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*U S Industrial Chem, 60 E 42 St, N Y

ALCOHOL, AMYL (Mixed Isomers)

Aceto Chem Co, 82 Beaver St, N Y 5
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Bell Chem Co, 25 W 44 St, N Y 18
*Celanese Corp of America, 180 Madison Ave, N Y 16
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Kingston Chem Co, 15 William St, N Y 5
Republic Chem Corp, 94 Beekman St, N Y 38
*Sharples Chem, 123 S Broad St, Phila 9, Pa
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*U S Industrial Chem, 60 E 42 St, N Y

ALCOHOL, AMYL n- (Fusel Oil, Grain Oil, Pentanol Normal Butyl Carbinol, Amyl-hydroxide, Potato Spirits)

$C_5H_{11}OH$. Colorless liq. Sp. gr. 0.82 (20°C). B.P. 137°. Sol. alcohol, ether. Sl. sol. water. Wt. per gal. 6.83 lbs. Uses—solvent for oils, camphor, resins, sulfur, phosphorus, iodine, alkaloids, spirit varnishes, artifical fruit essences, dyestuffs, perfume preps., dyeing textiles, vulcanization of rubber, purification of minerals. Grades—C.P.: tech.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Bell Chem Co, 25 W 44 St, N Y 18
Chematar Inc, Exchange Pl, N Y 5
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Elbert & Co, 2 Broadway, N Y
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
*Sharples Chem, 123 S Broad St, Phila 9, Pa
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Spesco Wholesale Hardware Co, 1744 N W 1 Ave, Miami 36, Fla
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
George Uhe Co, 76 9 Ave, N Y 14
*U S Industrial Chem, 60 E 42 St, N Y

ALCOHOL, sec.—AMYL (Methylpropyl Carbinol, Dipentanol)

$CH_3CHOH(C_3H_7)$. M.W. 88.09. Water-white liq. Sp. gr. at 20°/20°C 0.810-0.816. Wt. per gal. at 20°C 6.76 lb. Fire hazard. Combustible, but not inflammable. Flash point over 80°F. Uses—mfr. secondary amyl acetate; as a part of lacquers and lacquer thinners; synthesis of ketones; prep. of other organic solvents.

American-British Chem Supplies, 180 Madison Ave, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
*Sharples Chem, 123 S Broad St, Phila 9, Pa
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Spesco Wholesale Hardware Co, 1744 N W 1 Ave, Miami 36, Fla

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ALCOHOL, tert.—AMYL (Amylene Hydrate, Dimethylethylcarbinol)

$(CH_3)_2C(OH)CH_3$. M.W. 88.09. Colorless liq., camphor odor. Sp. gr. 20°/20°C 0.810. M.P.—12°C. B.P. 101.8°C. Sol. alcohol, ether; sl. sol. water. Wt. per gal., 6.75 lbs. distillation. Uses—mfr. intermediates, fruit flavors; plasticizer in paints, varnishes, and cellulose ester plastics. Grades—C.P.; tech.

J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
*Sharples Chem, 123 S Broad St, Phila 9, Pa
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Spesco Wholesale Hardware Co, 1744 N W 1 Ave, Miami 36, Fla

ALCOHOL, ANISYL

*Blos Labs, 17 W 60 St, N Y 23
*Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Tombarel Products Corp, 12 E 22 St, N Y 10

ALCOHOL, BENZYL (Phenmethylol, Phenyl Carbinol, Alpha-Hydroxytoluene)

$C_6H_5CH_2OH$. Colorless liq., faint, aromatic odor. Sp. gr. 1.043 (20°C). B.P. 204.7°C. Sol. water, alcohol, methanol, ether. Uses—mfr. intermediates, esters, organic chemicals, airplane dopes, varnishes, artificial perfume prep.; in medicine. Grades—tech.; pure.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*American-British Chem Supplies, 180 Madison Ave, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Benzol Products Co, 237 South St, Newark 25, N J
*Edward S Burke, 65 Pine St, N Y
*Commercial Solvents Corp, 1617 Penn Blvd, Phila, Pa
*Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Cane & Ingram, 43 W 16 St, N Y 11
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Kay-Fries Chem, 180 Madison Ave, N Y 16
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 11
Polak & Schwartz, 667 Washington St, N Y 14
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn
Tombarel Products Corp, 12 E 22 St, N Y 10
*Trubek Labs, State Hway Rt 17, E Rutherford, N J
*Verona Chem Co, 26 Verona Ave, Newark, N J

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ALCOHOL, BORNYL see Borneol

ALCOHOL, n-BUTYL (Alcohol Butyric, Butanol, Propylcarbinol Butylhydroxide, Hydroxybutane)

$CH_3(CH_2)_2CH_2OH$. M.W. 74.08. Colorless liq., vinous odor. Sp. gr. 0.810 (20°C). B.P. 117.7°C. M.P. —89° C. F.P. 35°C. Sol. water, alcohol, ether. Uses—mfr. esters, butyric acid, butyl derivatives, butenes high temp. extractions and alcoholic saponifications, dyestuffs, color bases, fruit essence, artificial leather, leather coatings, paints, varnishes, japans, dopes, lacquers, perfume preps., artificial musk, pharmaceuticals; solvent fats, oils, gum, films, moving picture films, celluloid, plastics, wax, resin, vehicle in making bronze powd.; in medicine. Grades—crude; refined.

Aceto Chem Co, 82 Beaver St, N Y 5
Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
American Mineral Spirits Co, 155 E 44 St, N Y 17
American Quinine Co, 15 William St, N Y
W W Angus, 220 Broadway, N Y
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y

ALCOHOL, BUTYL (continued)

J H Bauminger, 421 7 Ave, N Y
Bell Chem Co, 25 W 44 St, N Y 18
Leo Berberich, 198 Broadway, N Y 38
Bergstrom Trading Co, 233 Broadway, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
F M Browning Co, 150 Broadway, N Y 38
C P Chem Solvents, 60 Park Place, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Carnegie Chem Mfg Co, 6363 Wilshire Blvd, Los Angeles 48, Cal
*Celanese Corp of America, 180 Madison Ave, N Y 16
Central Solvents & Chem Co, 2545 W Congress St, Chicago 12, Ill
Chematar Inc, Exchange Pl, N Y 5
Chem Mfg Co, 21 West St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
Commerce Petroleum Co, 2980 Archer Ave, Chicago 8, Ill
Commercial Chem, 614 Ellicott Sq, Buffalo 3, N Y
*Commercial Solvents Corp, 17 E 42 St, N Y 17
Conray Products, 510 6 Ave, N Y 11
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Dyechem Products Corp, 60 Broad St, N Y 4
Elbert & Co, 2 Broadway, N Y
Expedo Corp, 37 Wall St, N Y 5
Fallek Products Co, 163 Broadway, N Y 6

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ALCOHOL, BUTYL (continued)

Frank C Farinella, 19 W 44 St, N Y
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Wm S Gray & Co, 342 Madison Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Howe & French, Mfg Dept, E Weymouth, Mass
Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Lellarts Lane, E Paterson, N J
Legion Chem, 70 Wall St, N Y 5
G C McClellan & Co, 141 Milk St, Boston 9, Mass
McKesson & Robbins, 155 E 44 St, N Y 17
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 7, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
Ohio Solvents & Chem Co, 3470 W 140 St, Cleveland 11, Ohio
Philipp Bros Chem, 37 Wall St, N Y
Phillips & Martin Co, 5524 N Wolcott Ave, Chicago, Ill
Publicker Industries, 1429 Walnut St, Philadelphia, Pa
Charles L Read & Co, 120 Greenwich St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38
F H Ross & Co, 1649 W Morehead St, Charlotte 1, N C
Schmiltz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Scholle Chem Corp, 6641 Ridge Ave, Chicago 26, Ill
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Shawinigan Products Corp, 350 5 Ave, N Y 1
Shepard Chem Corp, 117 Liberty St, N Y 6
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Spesco Wholesale Hardware Co, 1744 N W 1 Ave, Miami 36, Fla
J U Starkweather Co, 241 Allens Ave, Providence, R I
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Tennessee Eastman Co, 10 E 40 St, N Y 16
Tuteur Bio-Chem, 60 Wall St, N Y 5
United Sterling Corp, 37 E 28 St, N Y
*U S Industrial Chem, 60 E 42 St, N Y
Warner-Graham Co, President & Fawn Sts, Baltimore 2, Md
Western Condensing Co, 935 E John St, Appleton, Wis
Menki Zimmer, Box 5, Fresh Meadows Sta, Flushing, N Y

ALCOHOL, sec.-BUTYL (Methylethylcarbinol Dibutanol)

$CH_3\ CH_2CHOHCH_3$. M.W. 74.08. Colorless liq., pleasant odor. Sp. gr. 0.803. B.P. 99.5°C. Sol. water, alcohol, ether. Uses—mfr. intermediate and organic chemicals, fruit essences, perfumes, dyestuffs; solvent in cellulose ester varnishes, lacquers, and plastics. Grades—C.P.; tech.

Aceto Chem Co, 82 Beaver St, N Y 5
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
W W Angus, 220 Broadway, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Bell Chem Co, 25 W 44 St, N Y 18
Bergstrom Trading Co, 233 Broadway, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
F M Browning Co, 150 Broadway, N Y 38
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y 16
Chematar Inc, Exchange Pl, N Y 5
Elbert & Co, 2 Broadway, N Y
*Enjay Co, 15 W 51 St, N Y 19
Wm S Gray & Co, 342 Madison Ave, N Y 17
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Howe & French, Mfg Dept, E Weymouth, Mass
Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Lellarts Lane, E Paterson, N J
Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 7, Mo
Ohio Solvents & Chem Co, 3470 W 140 St, Cleveland 11, Ohio
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
*Shell Chem Corp, 50 W 50 St, N Y 20
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
Paul W Wood Co, 350 Townsend St, San Francisco 7, Cal

ALCOHOL, tert-BUTYL (Alcohol Pseudobutyl Trimethyl Carbinol, Dimethylidipropanol)

$(CH_3)_2COHCH_3$. White solid crystalline, camphor odor. Sp. gr. 0.786. M.P. 25.5°C. Sol. water, alcohol, ether. Uses—mfr. intermediates, fruit essences, cellulose esters, plastics, lacquers. Grades—C.P.; tech.

J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Bergstrom Trading Co, 233 Broadway, N Y
Elbert & Co, 2 Broadway, N Y
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Shell Chem Corp, 50 W 50 St, N Y 20

ALCOHOL, BUTYRIC see Alcohol, Butyl Normal

ALCOHOL, CAPRYLIC see Alcohol, Capryl

*Company classifies itself as manufacturer or producer of this product

ALCOHOL, CAPRYL (Octyl Alcohol, Alcohol, Caprylic)—see also Alcohol, Octyl

$C_8H_{18}O$. M.W. 130.14. Sp. gr. 0.825. B.P., C.P. grade. 178-180°C. Pure grade, 194°C. Wt. per gal., 6.8 lbs. Water-white mobile liq. with mild sweet odor. Noncorrosive. Sol. water, alcohol, ether, organic solvents. Uses—as a powerful anti-foaming agent; mfr. high boiling esters, octyl acetate, octyl phthalate, etc.; as a solvent. Pure grade used as a perfume. Grades—pure; C.P.

J M Bauminger, 421 7 Ave, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
*Fine Organics, 211 E 19 St, N Y 3
*Hardesty Chem Co, 41 E 42 St, N Y
*Rohm & Haas Co, Washington Sq, Phila 5, Pa

ALCOHOL, CETYL (Ethal, Alcohol, Cetylic, Hexadecanol, Cetal, Alcohol, Hexadecyl, Pentadecyl Carbinol)

$C_{16}H_{33}OH$. M.W. 242.35. A colorless, tasteless waxy powd. M.P. 49°C. B.P. 344°C. Sp. gr. 0.808. Insol. water; sol. alcohol, ether. Uses—mfr. skin creams, etc. Base for mfr. sulfonated fatty alcohols.

*Aceto Chem Co, 82 Beaver St, N Y 5
American-British Chem Supplies, 180 Madison Ave, N Y
*Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2, Ohio
Barclay Chem Co, 75 Varick St, N Y
Braun Corp, 2260 E 15 St, Los Angeles 21, Cal
Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
Harry Dixon & Sons, 250 Park Ave, N Y 17
Frank G Fanning, 50 E 42 St, N Y 17
*Fine Organics, 211 E 19 St, N Y 3
*Gane & Ingram, 43 W 16 St, N Y 11
*Givaudan-Delawanna, 330 W 42 St, N Y 18
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Humphrey-Wilkinson, De Vine St, N Haven, Conn
Lack Chem Co, 19 Park Pl, N Y 7
Legion Chem, 70 Wall St, N Y 5
Matheson Co, Paragon Div, E Rutherford, N J
*M Michel & Co, 90 Broad St, N Y 4
Phoenix Oil Products Corp, 199 Pacific St, Newark, N J
Walter A Reinicke, 549 W Washington Blvd, Chicago 6, Ill
Conray Products, 510 6 Ave, N Y 11
*Robinson Wagner Co, 110 E 42 St, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

ALCOHOL, CETYLIC see Alcohol, Cetyl

ALCOHOL, CHLOR ISOPROPYL see Propylene Chlorhydrin

ALCOHOL, CINNAMIC

$C_9H_{10}O$. M.W. 134.13. Sl. yellowish, viscous liq. with lilac or hyacinth odor. Uses—for blending with other perfumes and as a fixative.

*Bios Labs, 17 W 60 St, N Y 23
P R Dreyer, 113 W 19 St, N Y
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
Polak & Schwartz, 667 Washington St, N Y 14
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

ALCOHOL, CROTYL (2-Buten-1-ol, Propenylcarbinol, gamma-Methyl-Allyl Alcohol)

$CH_3{:}CHCH_2CH_2OH$. M.W. 72.06. Colored liq. B.P. 113°C. Sol. water, alcohol. In lab. quantities.

*Bios Labs, 17 W 60 St, N Y 23

ALCOHOL, CYCLOPENTYL

*Arapahoe Chem, 2800 Pearl St, Boulder, Col
Dodge & Olcott, 180 Varick St, N Y 14
*Halogen Chem, 1505 Charlton Dr, Columbia, S C

ALCOHOL, DECYL

$CH_3(CH_2)_8CH_2OH$. Colorless, water-white liq.; sweet, fat-like odor. B.P., 231°C.; M.P., 6°C.; Sp. gr., 0.829; insol. water at 25°C. Uses—antifoam, perfume intermediate; mfr. of detergents and esters.

Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Humphrey-Wilkinson, De Vine St, N Haven, Conn
Matheson Co, Paragon Div, E Rutherford, N J
*Verona Chem Co, 26 Verona Ave, Newark, N J

ALCOHOL, DENATURED

Colorless liq. Uses—see Alcohol Ethyl. Grades—approximately 75 formulae as prescribed officially by the U. S. Government using various denaturants according to purpose for which intended. Made, sold and used under regulations of U. S. Bureau of Internal Revenue. Tax free. Unfit for beverage use.

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ALCOHOL, DENATURED continued

Aceto Chem Co, 82 Beaver St, N Y 5
Adams-Henry Chem Co, 32 Broadway, N Y 4
Bell Chem Co, 25 W 44 St, N Y 18
*Bradshaw-Praeger & Co, 3252 W 47 Pl, Chicago 32, Ill
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
*Carbide & Cabon Chem Co, 30 E 42 St, N Y 17
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
C P Chem Solvents, 60 Park Place, Newark 2, N J
C B Coburn Co, 63 Market St, Lowell, Mass
Harry Cohen, 982 Virginia Ave N E, Atlanta 6, Ga
*Commercial Solvents Corp, 17 E 42 St, N Y 17
J C Drouillard Co, Rockefeller Bldg, Cleveland 13, Ohio
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Wm S Gray & Co, 342 Madison Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Hoosier Solvents & Chem Corp, 1650 Luett St, Indianapolis 22, Ind
Howe & French, Mfg Dept, E Weymouth, Mass
Industrial Sales Corp, 500 5 Ave, N Y 18
L J & M La Place, Leliarts Lane, E Paterson, N J
*Lewis Co, 232 Canal St, N Y 13
Lac Chem, 8512 Hays St, Culver City, Cal

ALCOHOL DENATURED, continued

Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
G C McClellan & Co, 141 Milk St, Boston 9, Mass
McKesson & Robbins, 155 E 44 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 7, Mo
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Ohio Solvents & Chem Co, 3470 W 140 St, Cleveland 11, Ohio
Philipp Bros Chem, 37 Wall St, N Y
Philips & Jacobs, 620-22 Race St, Phila, Pa
*Publicker Industries, 1429 Walnut St, Phila, Pa
*Puerto Rico Alcohol Co, 370 7 Ave, N Y 1
B Rauschkolb & Co, 225 W 34 St, N Y 1
Charles L Read & Co, 120 Greenwich St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38
Schibley & Ossmann, 33 Public Sq, Cleveland, Ohio
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Shapiro & Novick, 60 Broad St, N Y 4
*Shell Chem Corp, 50 W 50 St, N Y 20
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Spesco Wholesale Hardware Co, 1744 N W 1 Ave, Miami 36, Fla
J U Starkweather Co, 241 Allens Ave, Providence, R I
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Jos Turner & Co, Ridgefield, N J
*United Distillers of America, 350 5 Ave, N Y 1
*U S Industrial Chem, 60 E 42 St, N Y
Van Waters & Rogers, 4000 1 Ave S, Seattle, Wash
West Coast Chem & Solvents Corp, 8512 Hays St, Culver City, Cal
Wolverine Solvents & Chem Co, 1500 Century Ave, Grand Rapids 9, Mich

ALCOHOL, DIACETONE (4-Hydroxy-2 Keto-4 Methylpentane, Diacetone-

$CH_3COCH_2C(CH_3)_2OH$. Colorless to light straw liq. Sp. gr. 0.915-0.943. Sol. water. B.P. 130-175°C. M.P. —54 to —57°C. F.P. 53-57°C. Uses—solvent celulose esters, acetate lacquers, plastics, dyes, resins, waxes. Grades—acetone-free; not more than 16% acetone.

American-British Chem Supplies, 180 Madison Ave, N Y
American Quinine Co, 15 William St, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Bell Chem Co, 25 W 44 St, N Y 18
C P Chem Solvents, 60 Park Place, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Chematar Inc, Exchange Pl, N Y 5
Griffin Chem Co, 1000 16 St, San Fancisco 7, Cal
Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Leliarts Lane, E Paterson, N J
Republic Chem Corp, 94 Beekman St, N Y 38
*Shell Chem Corp, 50 W 50 St, N Y 20
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

ALCOHOL, ETHYL (Ethanol, Grain Alcohol, Cologne Spirits, Ethyl Hydrate, Spirit of Wine)

C_2H_5OH. M.W. 46.05. Colorless liq., ethereal, vinous odor. Sp. gr. 0.789 (20°C.). M.P. —117.3°C. B.P. 78.4°C. Sol. water, methanol, ether. Uses—mfr. intermediates, esters, organic derivatives, synth. drugs, chloroform, iodoform, ether, acetic acid, alcoholates, phenacetin, antipyrine, dyes, smokeless powd., food preps., sheep dips, plant washes, artificial leather, margarine, motor fuel, incandescent mantles, solid alcohol, anti-freeze solutions, carbon removers, cleansers, polishing compositions, dipping fluids, artificial flowers, essences, hats, cartridges, cements, composition billiard and pool balls, spirit varnishes, enamels, paint removers, perfumes, cosmetics, toilet preps., lubricating compositions, photographic papers, and plates, celluloid, plastics, rubber cements, disinfecting soaps, liq. and transparent soaps; as fulminate;

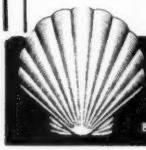
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J C Ackerman Co, Penn-Lincoln Hotel, Pittsburgh 21, Pa
American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
W H Barber Co, 3650 S Homan Ave, Chicago 32, Ill
Bell Chem Co, 25 W 44 St, N Y 18
Alfred D Brown Associates, 59 Pearl St, N Y 4
Buffalo Solvents & Chem Corp, Box 73, Sta B, Buffalo 7, N Y
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Central Solvents & Chem Co, 2545 W Congress St, Chicago 12, Ill
Chematar Inc, Exchange Pl, N Y 5
Commerce Petroleum Co, 2980 Archer Ave, Chicago 8 Ill
*Commercial Solvents Corp, 17 E 42 St, N Y 17
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Glycerine Corp of America, 36 W 44 St, N Y 18
Wm S Gray & Co, 342 Madison Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*J H Hinz Co, 405 Rockefeller Bldg, Cleveland 13, Ohio
Philip A Houghton, 30 Huntington Ave, Boston, Mass
Krekel Goetz Sales & Supply Co, 302 Housman Bldg, Grand Rapids 2, Mich
Lac Chem, 8512 Hays St, Culver City, Cal
Legion Chem, 70 Wall St, N Y 5
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Carl F Miller & Co, 1217 6 Ave S, Seattle, Wash
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 7, Mo
Philipp Bros Chem, 37 Wall St, N Y
Phillips & Martin Co, 5524 N Wolcott Ave, Chicago, Ill
*Publicker Industries, 1429 Walnut St, Phila, Pa
*Puerto Rico Alcohol Co, 370 7 Ave, N Y 1
*Puget Sound Pulp & Timber Co, Bellingham, Wash
B Rauschkolb & Co, 225 W 34 St, N Y 1
Republic Chem Corp, 94 Beekman St, N Y 38
Schulte Chem Corp, 6641 Ridge Ave, Chicago 26, Ill
Sessions-Gifford Co, 255 Aliens Ave, Providence, R I
*Shell Chem Corp, 50 W 50 St, N Y 20

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Methanol, Ethanol, Isopropanol, n-Butyl Alcohol, Pentanol-3, Methyl Amyl Alcohol, 2-Ethylbutanol, n-Hexanol, Heptanol-3, 2-Ethylhexanol, Diisobutyl Carbinol, Phenyl Methyl Carbinol, Trimethyl Cyclohexanol, Trimethyl Nonyl Alcohol, 2-Butyl Octanol, Undecanol, Tetradecanol, and Heptadecanol are supplied commercially by CARBIDE. Specially and completely denatured formulas of Ethanol are produced, including anhydrous grades and a proprietary solvent, trade-marked SYNASOL.

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Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
Sunnyside Oil Co, 2212 W Sunnyside Ave, Chicago 25, Ill
Thomason-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*United Distillers of America, 350 5 Ave, N Y 1
*U S Industrial Chem, 60 E 42 St, N Y
United Sterling Corp, 37 E 28 St, N Y
Warner-Graham Co, President & Fawn Sts, Baltimore 2, Md
West Coast Chem & Solvents Corp, 8512 Hays St, Culver City, Cal
E E Zimmerman Co, 1704 Kennan Bldg, Pittsburgh 22, Pa

ALCOHOL, 2-ETHYL BUTYL

$C_2H_5CH(C_2H_5)CH_2OH$. Colorless liq. B.P. 148.9°C. Sp. gr. .8328 at 20/20°C. Insol. water; sol. organic solvents. Uses—lacquer solvent, penetrant, coupling agent, and in printing lacquers.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*Tennessee Eastman Co, 10 E 40 St, N Y 16

ALCOHOL, ETHYLENE see Ethylene Glycol

ALCOHOL, 2-ETHYL HEXYL

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Chematar Inc, Exchange Pl, N Y 5
*Tennessee Eastman Co, 10 E 40 St, N Y 16

ALCOHOL, FURFURYL (Furyl Carbinol)

$C_4H_3OCH_2OH$. Water-white, darkening upon exposure. Sp. gr. 1.135 (at 20°C). B.P. 165-172°C. Uses—organic solvent for nitrocellulose. Forms a black insol. resin when treated with mineral acids, prep. of non-skinning varnishes, prep. of insol., infusible, waterproof protective coatings. Caution—reacts with explosive violence with concentrated mineral acids. Grades—tech.

J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Quaker Oats Co, 341 Merchandise Mart Plaza, Chicago 54, Ill

ALCOHOL, GLYCOL see Ethylene Glycol

ALCOHOL, GLYCYL see Glycerine

ALCOHOL, GRAIN see Alcohol, Ethyl

ALCOHOL, HEPTADECYL

$C_8H_{17}CH(C_2H_5)C_7H_{14}CH(OH)C_2H_4CH(C_2H_5)_2$. M.W. 256.46. Liq. B.P. 309.0°C. Pract. insol. water. Uses—perfume fixative, intermediate in mfr. of plasticizers and surface active agents.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

ALCOHOL, HEPTYL

*Baker Castor Oil Co, 120 Broadway, N Y 5
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
P R Dreyer, 113 W 19 St, N Y
*Verona Chem Co, 26 Verona Ave, Newark, N J

ALCOHOL, n-HEPTYL

$CH_3(CH_2)_5CH_2OH$. M.W. 116.12. Colorless, oily liq. B.P. 176°C. Insol. water; miscible alcohol, ether.

*Baker Castor Oil Co, 120 Broadway, N Y 5
City Chem Corp, 132 W 22 St, N Y 11
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Humphrey-Wilkinson, De Vine St, N Haven, Conn
*Wallace & Tiernan Products, 11 Mill St, Belleville 9, N J

ALCOHOL, HEXADECYL see Alcohol, Cetyl

ALCOHOL, n-HEXYL (Hexanol)

$CH_3(CH_2)_4CH_2OH$. M.W. 102.11. Colorless liq., insol. water. B.P. 115.8°C and has a Sp. Gr. of 0.8217 at 20°/20°C. Uses—synthesis.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

ALCOHOL, HIGHER FATTY

Produced from natural fats or oils by reducing the fatty acids to the corresponding fatty alcohols. Alcohols most commonly used are cetyl, oleic, stearic, lanolic, laurel, oleyl and cholesterol. In the manufacture of the so-called "soapless soaps" these alcohols are then reacted with sulfuric acid, and the alcohol sulfate is neutralized with caustic soda to form the fat alcohol sulfate. See also sodium laurel sulfate. Uses—for soap, in the place of ordinary soap in textile, laundry and general cleaning; in shampoos, etc.; as dyeing and printing assists.

Aceto Chem Co, 82 Beaver St, N Y 5
*Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2, Ohio
J M Baird Co, 147 Nassau St, N Y
*Baker Castor Oil Co, 120 Broadway, N Y 5
*Celanese Corp of America, 180 Madison Ave, N Y 16

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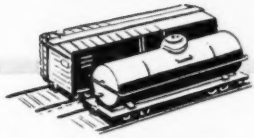
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Clear, colorless liquid, miscible with most oxygenated and hydrocarbon type solvents. Principally used for production of esters which function as plasticizers for vinyl resins and nitrile type rubbers, as a lacquer and resin solvent, antifoam agent, and in the manufacture of detergents and wetting agents.

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Clear, colorless liquid among medium boiling group of solvents. Solvent for lacquers and resins, component of hydraulic fluids, coupling agent. Employed in the preparation of esters, secondary butyl xanthate, methyl ethyl ketone.

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Marketed in 91%, 95% and 99% concentrations. Clear, colorless liquid, completely miscible in water. Used in antiseptics, astringents, emulsions, lotions, shampoos, tonics, cosmetics, bactericides, sterilizers, rubbing compounds, reagents, crystallizations, drugs, food products, cleaning agents, phenolic resin thinner, nitrocellulose dehydration, nitrocellulose coatings. Raw material for acetone, esters, isopropyl ether.

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Aceto CHEMICAL COMPANY INC.
82 BEAVER ST., Digby 4-9760, New York 5, N.Y.

ALCOHOL, HIGHER FATTY (continued)

*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Humphrey-Wilkinson, De Vine St, N Haven, Conn
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*M Michel & Co, 90 Broad St, N Y 4
R F Revson Co, 243 W 17 St, N Y 11

ALCOHOL, HYDROABIETYL

*Bios Labs, 17 W 60 St, N Y 23
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del

ALCOHOL, o-HYDROXYBENZYL see Saligenin

ALCOHOL, ISOBUTYL (Isopropylcarbinol)

$(CH_3)_2CH.CH_2OH$. M.W. 116.09. Colorless, thick liq Sp. gr. 0.806 (15°C). B.P. 99.5°C. Sol. water, alcohol, ether. Uses—mfr. intermediates, organic chemicals, synth. dyes, fruit essences, perfumes; solvent paint removers. Grades—tech.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
Bell Chem Co, 25 W 44 St, N Y 18
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Celanese Corp of America, 180 Madison Ave, N Y 16
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
E I Du Pont de Nemours & Co, Polychemicals Dept, Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
L J & M La Place, Leliarts Lane, E Paterson, N J
*Republic Chem Corp, 94 Beekman St, N Y 38
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

ALCOHOL, ISO-OCTYL

American-British Chem Supplies, 180 Madison Ave, N Y
J M Baird Co, 147 Nassau St, N Y
*Enjay Co, 15 W 51 St, N Y 19
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
Paul W Wood Co, 350 Townsend St, San Francisco 7, Cal

ALCOHOL, ISOPROPYL (Alcohol Pseudopropyl, Dimethylcarbinol, Isopropanol)

$CH_3CHOHCH_3$. M.W. 60.06. Colorless liq. Sp. gr. 0.789. B.P. 82.3°C. Sol. alcohol, ether, water. Uses—mfr. acetone; solvent lacquers, plastics, varnish; organic synthesis; in medicine. Grades—crude; refined; anhydrous; 91%.

Aceto Chem Co, 82 Beaver St, N Y 5

ALCOHOL, ISOPROPYL (continued)

J C Ackerman Co, Penn-Lincoln Hotel, Pittsburgh 21, Pa
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
American Mineral Spirits Co, 155 E 44 St, N Y 17
American Quinine Co, 15 William St, N Y
W W Angus, 220 Broadway, N Y
J M Baird Co, 147 Nassau St, N Y
W H Barber Co, 3650 S Homan Ave, Chicago 32, Ill
Bell Chem Co, 25 W 44 St, N Y 18
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Chematar Inc, Exchange Pl, N Y 5
Harry Cohen, 982 Virginia Ave N E, Atlanta 6, Ga
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Elbert & Co, 2 Broadway, N Y
*Enjay Co, 15 W 51 St, N Y 19
Faliek Products Co, 163 Broadway, N Y 6
Wm S Gray & Co, 342 Madison Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
J H Hinz Co, 405 Rockefeller Bldg, Cleveland 13, Ohio
Howe & French, Mfg Dept, E Weymouth, Mass
*Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Leliarts Lane, E Paterson, N J
Legion Chem, 70 Wall St, N Y 5
Lewis Co, 232 Canal St, N Y 13
George Mann & Co, 251 Fox Point Blvd, Providence, R I
G C McClellan & Co, 141 Milk St, Boston 9, Mass
Mifflin Chem Co, Delaware Ave & Mifflin St, Phila 48, Pa
Mutchler Chem Co, 258 Broadway, N Y 7
Philipp Bros Chem, 37 Wall St, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Charles L Read & Co, 120 Greenwich St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Seaboard Industries, 195 Keen St, Paterson, N J
*Shell Chem Corp, 50 W 50 St, N Y 20
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Spesco Wholesale Hardware Co, 1744 N W 1 Ave, Miami 36, Fla
J W Stark Co, 804 New Center Bldg, Detroit 2, Mich
U Starkweather Co, 241 Allens Ave, Providence, R I
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Tuteur Bio-Chem, 60 Wall St, N Y 5
George Uhe Co, 76 9 Ave, N Y 14
Van Waters & Rogers, 4000 1 Ave S, Seattle, Wash
Warren-Douglas Chem, 1513 Burt St, Omaha 2, Neb
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*American Cholesterol Products, Middlesex Co, N J
Frank G Fanning, 50 E 42 St, N Y 17
*N I Malmstrom & Co, 147 Lombardy St, Bklyn 22, N Y
Walter A Reinicke, 549 W Washington Blvd, Chicago 6, Ill
*Robinson, Wagner Co, 110 E 42 St, N Y 17
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill

ALCOHOL, LAURYL (1—Dodecanol, 1—Dodecyl Alcohol)

$C_{12}H_{25}OH$. M.W. 186.33. Colorless liq. to white, crystalline waxy solid. M.P. 24°C. B.P. 259°C (128-131°C at 7mm pressure). Sp. gr. 0.8309 20/4°C. Refractive Index n 20. 1.4408 at 24.5°C. Insol. in water; sol. in alcohol, ether and acetone. Uses—in cosmetic formulations as an intermediate in the mfr. of detergents, and as a solvent.

ALCOHOL, METHALLYL

M.W. 72; B.P. 114.5°C. Sp. gr. at 20/4 0.852. Uses—solvent synthesis.

*Bios Labs, 17 W 60 St, N Y 23
E I Du Pont de Nemours & Co, Polychem Dept, Wilmington, Del
*Shell Chem Corp, 50 W 50 St, N Y 20

ALCOHOL, METHYL see Methanol

ALCOHOL, g-METHYL-ALLYL see Alcohol, Crotyl

ALCOHOL, METHYL AMYL (2—Pentanol, 4—Methyl, Isobutylmethylcarbinol)

$(CH_3)_2CHCH_2CHOHCH_3$. M.W. 102.11. Colorless liq. B.P. 131.4°C. Sol. alcohol.

C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y 16
Faesy & Besthoff, 325 Spring St, N Y 13
Republic Chem Corp, 94 Beekman St, N Y 38

ALCOHOL, METHYL BENZYL see Methyl Phenyl Carbinol

ALCOHOL, NONYL (3,5,5—Trimethylhexanol)

$CH_3C(CH_3)_2CH_2CH(CH_3)CH_2OH$. M.W. 144.25. Clear, colorless liq. B.P. 194°C. Insol. water; miscible with organic solvents. Uses—solvent in lacquer formulation, anti-foam and froth flotation agent, interm. in prep. of ester type plasticizers, lub. oil additives, synth. lubric., surface active agents, disinfect, germicides.

J M Baird Co, 147 Nassau St, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Verona Chem Co, 26 Verona Ave, Newark, N J

ALCOHOL, n-NONYL

$CH_3(CH_2)_7CH_2OH$. M.W. 144.16. Colorless to yellowish liq. B.P. 215°C. Insol. water; miscible alcohol, ether. Uses—in mfr. of artificial lemon oil.

J M Baird Co, 147 Nassau St, N Y
*Givaudan-Delawanna, 330 W 42 St, N Y 18

ALCOHOL, n-OCTADECYL see Alcohol, Stearyl

ALCOHOL, OCTYL (2—Ethyl Hexanol, Methyl Hexyl Carbinol)

$C_4H_9CH(C_2H_5)CH_2OH$. Colorless liq. B.P. 184.6°C. Sp. gr. at 20°/20°C; is .8344. Insol. water, sol. organic solvents. Uses—lacquer solvent, synthesis.

J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
J H Bauminger, 421 7 Ave, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
P R Dreyer, 113 W 19 St, N Y
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Givaudan-Delawanna, 330 W 42 St, N Y 18
Hardesty Chem Co, 41 E 42 St, N Y
Matheson Co, Paragon Div, E Rutherford, N J
Polak & Schwartz, 667 Washington St, N Y 14
Republic Chem Corp, 94 Beekman St, N Y 38
*Verona Chem Co, 26 Verona Ave, Newark, N J

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ALCOHOL, OCTYL see Alcohol, Capryl

ALCOHOL, OCTYL (Normal, Primary) (Octanol—1)

$CH_3(CH_2)_6CH_2OH$. Colorless liq. Penetrating characteristic aromatic odor. Sp. gr. 0.827 at 20°C. B.P. 194-195°C. Refractive Index 1.430 at 20°C. Miscible with alcohol, chloroform, ether. Immiscible with water. Uses—perfumery, organic synthesis.

J M Baird Co, 147 Nassau St, N Y
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Humphrey-Wilkinson, De Vine St, N Haven, Conn
Matheson Co, Paragon Div, E Rutherford, N J

ALCOHOL, OCTYL (Normal, Secondary) (Methyl Hexyl Carbinol, 2—Octanol, Capril Alcohol)

$CH_3(CH_2)_5CHOHCH_3$. Colorless oily liq. Aromatic odor. Sp. gr. 0.825 at 15°C. B.P. 178-179°C. Refractive Index 1.437 at 20°C. Miscible with alcohol and ether; immiscible with water. Uses—perfumery, organic synthesis.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
J M Baird Co, 147 Nassau St, N Y
*Fine Organics, 211 E 19 St, N Y 3

ALCOHOL, OLEYL

*Archer-Daniels-Midland Co, 2191 W 110 St, Cleveland 2, Ohio
*Bios Labs, 17 W 60 St, N Y 23
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*M Michel & Co, 90 Broad St, N Y 4
Phoenix Oil Products Corp, 199 Pacific St, Newark, N J
*Robinson, Wagner Co, 110 E 42 St, N Y 17

ALCOHOL, PHENETHYL see Alcohol, Phenyl Ethyl

ALCOHOL, PHENYL ETHYL (Benzyl Carbinol, 2—Phenylethanol, Phenethyl Alcohol)

$C_6H_5CH_2CH_2OH$. M.W. 122. Colorless liq.; light rose-type odor. Sl. sol. in water, aqueous alcohol. Uses—perfumes.

*American-British Chem Supplies, 180 Madison Ave, N Y
Dodge & Olcott, 180 Varick St, N Y 14
*Dow Chem Co, Midland, Mich
*P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Kay-Fries Chem, 180 Madison Ave, N Y 16
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
Tombarel Products Corp, 12 E 22 St, N Y 10
*Van Ameringen Haebler, 521 W 57 St, N Y 19
*Verona Chem Co, 26 Verona Ave, Newark, N J

ALCOHOL, PHENYLIC see Phenol

ALCOHOL, PROPENYL see Alcohol, Allyl

ALCOHOL, PHENYL PROPYL (Ethyl-Phenylcarbinol)

$C_6H_5CH(OH)CH_3$. M.W. 136.09; colorless liq.; characteristic odor. Sp. gr. 0.9962. Boils 219°C. Insol. in water; sol. alcohol and any other organic solvent.

Dodge & Olcott, 180 Varick St, N Y 14
*P R Dreyer, 113 W 19 St, N Y
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Trubek Labs, State Hway Rt 17, E Rutherford, N J

ALCOHOL, POLYVINYL

$(CH_2CHOH)_n$. Colorless, odorless, tasteless, thermoplastic, synth. resin. Transparent when molded or cast in film form Dens. 1.27-1.30 (20°C). Sol. water; insol. ordinary org. solvents, oils, fats and greases. Uses—for sizing and greaseproofing paper; in adhesives; as an emulsifier; in gas and oil-impervious films and coatings, in oil-resistant extruded and molded articles. Grades—Type "A," containing unsaponified acetyl groups. Type "B," fully saponified; both types available in low, medium, and high viscosities.

American Firstoline Corp, 420 Lexington Ave, N Y
*American Polymer Corp, 101 Foster St, Peabody, Mass
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
L D Peters & Sons, 1133 Broadway, N Y 10
*Shawinigan Products Corp, 350 S Ave, N Y 1
*Shawinigan Resins Corp, 644 Monsanto Ave, Springfield 2, Mass

ALCOHOL, PROPARGYL (2—Propyn-1-ol)

$HC{\equiv}CCH_2OH$. M.W. 56.06. Colorless liq. Characteristic odor. Uses—organic syntheses, pharmaceuticals, plastics.

*Bios Labs, 17 W 60 St, N Y 23
*Farchan Research Labs, 609 E 127 St, Cleveland 8, Ohio
Halogen Chem, 1505 Charlton Dr, Columbia, S C

ALCOHOL, PROPYL (Propanol, Ethyl Carbinol)

$CH_3CH_2CH_2OH$. M.W. 60.1. B.R. (commercial) 96-98°C. Spec. Heat 0.650 (between 16-100°C). Heat of Vapr. 162.6 cal./gram. (97.3°C). Heat of Comb. 8.000 cal./gram. Refractive Index Nd 1.386 (20°C). Dielectric Constant 22.2 (20°C). Coeff. Viscosity c.g.s. units at 20°C—0.2255; Coeff. Viscosity c.g.s. units at 90°C—0.00526. Colorless liq., vinous odor. Sp. gr. 0.806 (20°C). B.P. 97.3°C. Sol. water, alcohol, ether. Uses—mfr. intermediates, organic chemicals, lacquers, cosmetics, dental lotions and washes; as fulminate; in polishing compositions; solvent in making dopes; resins, wax; in medicine. Grades—tech.

American-British Chem Supplies, 180 Madison Ave, N Y
American Quinine Co, 15 William St, N Y
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
*Celanese Corp of America, 180 Madison Ave, N Y 16
Faesy & Besthoff, 325 Spring St, N Y 13
William S Gray & Co, 342 Madison Ave, N Y 17
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
Republic Chem Corp, 94 Beekman St, N Y 38
Snesco Wholesale Hardware Co, 1744 N W 1 Ave, Miami 36, Fla
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
Jos Turner & Co, Ridgefield, N J
*U S Industrial Chem, 60 E 42 St, N Y
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y

ALCOHOL, PSEUDOBUTYL TRIMETHYL CARBINOL see Alcohol, Butyl Tertiary

ALCOHOL, PSEUDOPROPYL see Alcohol, Isopropyl

ALCOHOL, SALICYL see Saligenin

ALCOHOL, SESQUITERPENE see Cedrol

ALCOHOL, STEARYL (Octadecanol, n-Octadecyl Alcohol)

$C_{18}H_{35}OH$. M.W. 270.49. Colorless, tasteless, waxy.

*Company classifies itself as manufacturer or producer of this product

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HAWKINS CHEMICAL COMPANY

3100 East Hennepin Avenue
Minneapolis 13, Minnesota

Insol. water; sol. alcohol, ether. Uses—mfr. of skin creams, detergents, plasticizers, lubricants.

*Aceto Chem Co, 152 Beaver St, N Y 5
*Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2, Ohio
J H Bauminger, 421 7 Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Humphrey-Wilkinson, De Vine St, N Haven, Conn
Matheson Co, Paragon Div, E Rutherford, N J
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
*M Michel & Co, 90 Broad St, N Y 4
Phoenix Oil Products Corp, 199 Pacific St, Newark, N J
Walter A Reinicke, 549 W Washington Blvd, Chicago 6, Ill
*Robinson Wagner Co, 110 E 42 St, N Y 17

ALCOHOL, TETRADECYL

$C_6H_9CH(C_2H_5)C_3H_6CH(OH)CH_2CH(CH_3)_2$. M.W. 214.4. Colorless liq. B.P. 264.1°C. Pract. insol. water. Uses—intermediates in mfr. of plasticizers; perfume fixative.

*Bios Labs, 17 W 60 St, N Y 23

ALCOHOL TETRADECYL, continued

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Humphrey-Wilkinson, De Vine St, N Haven, Conn

ALCOHOL, TETRAHYDROFURFURYL

$C_4H_7O\text{-}CH_2OH$. M.W. 102.08. Water-white liq. with mild, pleasant odor. B.P. 178°C. Sp. gr. 1.05. Miscible with water and most of the common organic acids. Uses—solvent for textile dyes, nitrocellulose, vinyl resins, natural and synth. gums; wetting and dispersing agent.

*Bios Labs, 17 W 60 St, N Y 23
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Quaker Oats Co, 341 Merchandise Mart Plaza, Chicago 54, Ill

tert-ALCOHOL, TRICHLOROBUTYL see Chlorobutanol

ALCOHOL, UNDECYL

$C_8H_9CH(C_2H_5)C_3H_6CH(OH)CH_3$. M.W. 172.30. Liq. B.P. 225.4°C. Pract. insol. water. Uses—anti-foaming agent, organic intermediates.

J M Baird Co, 147 Nassau St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Verona Chem Co, 26 Verona Ave, Newark, N J

ALCOHOL, UNDECYLENYL

$CH_3CH(OH)NH_2$. White cryst. M.P. 70-80°C. B.P. $C_{11}H_{21}OH$. M.W. 170.29. Colorless liq. Uses—organic syntheses, perfumery, pharmaceuticals.

*Bios Labs, 17 W 60 St, N Y 23
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Verona Chem Co, 26 Verona Ave, Newark, N J

ALCOHOL, WOOD see Methanol

ALCOHOLS, WOOL GREASE

*American Cholesterol Products, Middlesex Co, N J
Barclay Chem Co, 75 Varick St, N Y
Frank G Fanning, 50 E 42 St, N Y 17
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*N I Malmstrom & Co, 147 Lombardy St, Bklyn 22, N Y
Walter A Reinicke, 549 W Washington Blvd, Chicago 6, Ill
Republic Chem Corp, 94 Beekman St, N Y 38
*Robinson Wagner Co, 110 E 42 St, N Y 17

ALDEHYDE AMMONIA

100°C. (decomp.). Very sol. water, alcohol; sl. sol. ether. Uses—mfr. organic chemicals; rubber accelerator. Grades—tech.

*Bios Labs, 17 W 60 St, N Y 23
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

ALDEHYDES, FATTY

C_8-C_{18} Aliphatic aldehydes. Uses—flowery compounds.

J M Baird Co, 147 Nassau St, N Y
*Baker Castor Oil Co, 120 Broadway, N Y 5
*Phillip Chaleyer, 160 E 56 St, N Y 22
*P R Dreyer, 113 W 19 St, N Y
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
Polak & Schwartz, 667 Washington St, N Y 14
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

ALDOFORM see Formaldehyde

ALDOL (Acetaldol, Hydroxybutyraldehyde, b-Hydroxybutyraldehyde, Oxybutyraldehyde, Oxybutanol)

$CH_3CH(OH)CH_2CHO$. M.W. 88.06. Colorless liq. Sp. gr. 1.1098. Flash point 181.4°C. F.P. below 0°C. B.P. 83°C. Miscible water, ether, alcohol. Uses—mfr. intermediates, organic chemicals, dyestuffs, perfumes; in engraving; ore flotation; in medicine; in mfr. of rubber antioxidant. Grades—tech. White to dark brown solid with marked hydrophilic colloidal properties.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

ALEPPO GALLS see Nutgalls

ALGIN see also Sodium and Ammonium Alginates

White to dark brown solid with marked hydrophilic colloidal properties. Sol. in water; insol. in organic solvents. Properties of algin vary with source and method of mfr. pH 5-10; viscosity of 1% by wt. water solution, (10 to 4000 cps.) Moisture content, 5-20%; particle properties. Algin includes many of the properties of gelatin, tragacanth, caraya, acacia and locust bean gum, Irish Moss and agar-agar, and is used in lower concentrations. As colloidal stabilizer in ice cream, water ices, and other frozen desserts; suspending agent for cocoa fibers in chocolate milk; colloidal agent in various foodstuffs such as cakes, doughnuts, icings, salad dressings, and confectionery; sizing in textile industry; print pastes; leather finishing; paper coating; pharmaceuticals; cosmetics; waterproofing agent for concrete; boiler-water treatment; water paints; can-sealing compds.; ceramics; creaming latex in rubber mfr.; oil-well drilling muds. Grades—refined (food grades) and tech. (commercial grades).

*Algin Corp of America, 24 State St, N Y 4
American-British Chem Supplies, 180 Madison Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Kelco Co, 31 Nassau St, N Y 5
Kem Products Co, 227-229 High St, Newark 2, N J

ALIZARIN (1:2—Dihydroxyanthraquinone, Acid, Anthraquinonic)

$C_6H_4(CO)_2C_6H_2(OH)_2$. M.W. 240.06. Reddish-yellow, solid crystalline. M.P. 289°C. B.P. 430°C. Sol. alcohol, methanol, alkalies, ether; sl. sol. water. Uses—mfr. dyestuffs, color lakes; dyeing and finishing silk and wool; as photographical reagent. Grades—tech.; red cask and blue cask.

*Calco Chem Div, Bound Brook, N J
Hal Delphin & Co, 880 Bergen Ave, Jersey City 6, N J
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y

ALKALIES see Individual Listings

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*Company classifies itself as manufacturer or producer of this product

ALKALOIDS

Organic nitrogenous bases. Occur in animal and vegetable kingdoms. Some have been synthesized. Many are of great medicinal importance.

*American Quinine Co, 15 William St, N Y
American Roland Corp, 16 Hudson St, N Y
J M Baird Co, 147 Nassau St, N Y
J H Bauminger, 421 7 Ave, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
*Fallek Products Co, 163 Broadway, N Y 6
*Gane & Ingram, 43 W 16 St, N Y 11
*Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Merck & Co, Rahway, N J
Edgar Ostrander Co, 220 5 Ave, N Y 1
*S B Penick & Co, 50 Church St, N Y 7
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
George Uhe Co, 76 9 Ave, N Y 14

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Arecoline	Emetine	Hyoscyamine	Salicin
Asparagin	Ephedrine	Jalap Resin	Sanguinarine
Aspidospermine	Esculin	Lobeline	Scammony Resin
Atropine	Esarine	Ouabain	Scopolamine
Berberine	Extracts, Powdered	Pelletierine	Sparteine
Brucine	Extracts, Solid	Physostigmine	Strophanthin
Cantharidin	Helenin	Picrotoxin	Strychnine
Colchicine	Homatropine	Pilocarpine	Yohimbine

THE INLAND ALKALOID COMPANY
Manufacturing Chemists
TIPTON, INDIANA, U. S. A.

ALKYL ACETYLENE see Acetylenic Hydrocarbons

ALLANTOIN

$C_4H_6O_3N_4$. M.W. 158. White cryst. Uses—medicinal.

*American Quinine Co, 15 William St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
*Fine Organics, 211 E 19 St, N Y 3
*Gane & Ingram, 43 W 16 St, N Y 11
*National Biochemical Co, 3106 W Lake St, Chicago 12, Ill
*Polychem Co, 494 Hunts Point Ave, N Y 59
*Schuylkill Chem Co, 2354 Sedgley Ave, Phila, Pa

ALLOXAN (Mesoxylylurea)

$OC(NH.CO)_2CO$. M.W. 214. White cryst. Sol. water, alcohol. Uses—organic synthesis, cosmetic industry.

American Roland Corp, 16 Hudson St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Lack Chem Co, 19 Park Pl, N Y 7
*Matheson Co, Paragon Div, E Rutherford, N J
*Schuylkill Chem Co, 2354 Sedgley Ave, Phila, Pa

ALLYL ALDEHYDE see Acrolein

ALLYL AMINE

(3—Aminopropylene) $CH_2{:}CH.CH_2.NH_2$. M.W. 57.06; Nitrogen 24.55%. Colorless liq.; burning taste; strong ammonia odor, causing sneezing and tears. Sp. Gr. 0.744. Boils 55-58°. Miscible with water, alcohol, chloroform, ether.

Philipp Bauer Co, 2 W 47 St, N Y
*Edwal Labs, Ringwood, Ill

ALLYL BROMIDE

Philipp Bauer Co, 2 W 47 St, N Y
*Dow Chem Co, Midland, Mich
*Edwal Labs, Ringwood, Ill
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

ALLYL CAPROATE (n)

$CH_3(CH_2)_4CO_2C_3H_5$. M.W. 156. Pale yellow liq. B.P. 185°C. Sol. alcohol, ether; insol. water.

Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Verona Chem Co, 26 Verona Ave, Newark, N J

ALLYL CAPRYLATE

Dodge & Olcott, 180 Varick St, N Y 14
*Fairmont Chem Co, 600 Ferry St, Newark 5, N J

ALLYL CHLORIDE (Chlorallylene, Trichloropropene, Alpha-Monochloropropolene)

CH_2CHCH_2Cl. Colorless liq. Sp. gr. .938. B.P. 44.6°C. Insol. water; sol. alcohol, ether. Uses—pharmaceuticals.

*American Quinine Co, 15 William St, N Y
*Shell Chem Corp, 50 W 50 St, N Y 20

ALLYL HEPTOATE

Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
*Fairmont Chem Co, 600 Ferry St, Newark 5, N J
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Monomer-Polymer, 511 Lancaster St, Leominster, Mass
*Verona Chem Co, 26 Verona Ave, Newark, N J

ALLYL ISOTHIOCYANATE (Allyl Isosulfocyanate, Volatile Oil of Mustard)

$CH_2{:}CH.CH_2NCS$. M.W. 99.11. Colorless or pale yellow, very refractive liq.; very pungent, irritating odor; acrid taste. B.P. 148°. Sl. sol. water; miscible with alcohol. Uses—rubefacient, vesicant.

*Edwal Labs, Ringwood, Ill
*Old Dutch Mustard Co, 80 Metropolitan Ave, Bklyn 11, N Y

ALLYL ISO VALERATE

Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Monomer-Polymer, 511 Lancaster St, Leominster, Mass
*Verona Chem Co, 26 Verona Ave, Newark, N J

ALLYL MERCAPTAN (Allyl Sulfhydrate, 2—Propene—2—Thiol)

$CH_2{:}CH.CH_2SH$. M.W. 74.12. Sl. yellow liq. B.P. 90°C. Miscible with alcohol or ether.

*Edwal Labs, Ringwood, Ill
*Medical Chem Corp, 4122 W Grand Ave, Chicago 51, Ill

ALLYL THIOUREA (Thiosinamine, Rhodalline)

$CH_2{:}CH.CH_2.NH.CS.NH_2$. M.W. 116.14. White cryst.; bitter taste. M.P. 78°. Sol. alcohol, water; sl. sol. ether. Uses—resolvent of cicatrices, preferably used with sod. salicylate.

*Bios Labs, 17 W 60 St, N Y 23
*Edwal Labs, Ringwood, Ill

ALOIN

A mixture of cryst. principles (a pentoside or mixture of pentosides from aloe). Varies in chem. composition and physical and chemical properties according to variety of aloe from which obtained. Lemon-yellow to dark yellow, cryst powd., sl. odor of aloe; bitter taste; darkens on exposure to air and light, solacetone and alkalis. Uses—medicine; stimulates fermentation.

Frederick D Keller & Son, 150 Nassau St, N Y 7
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

ALTHEIN see Asparagine

ALUM see Alum, Potash

ALUM FLOWERS see Alum, Potash

ALUM, AMMONIA (Aluminum Ammonium Sulfate)

Al $(NH_4)_2(SO_4)_2 12H_2O$. Colorless crystalline or white powd. Solid. Sp. gr. 1.6455 (20°C). M.P. 94.5°C. Sol. water; glycerine; insol. alcohol. Uses—mfr. artificial stones, pigments, lakes, paper, vegetable glues, porcelain and marble cements; purifying drinking water; printing and dyeing fabrics; in baking powd.; tanning; fireproofing; in medicine. Grades—U.S.P.; C.P.; tech.; lump, ground, powdered.

J M Baird Co, 147 Nassau St, N Y
*Baker & Adamson Products, 40 Rector St, N Y
Chem Mfg Co, 21 West St, N Y
John A Chew, 60 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
*Consolidated Chem Industries, 640 Mellie Esperon Bldg, Houston 2, Tex
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Elbert & Co, 2 Broadway, N Y
Faesy & Besthoff, 325 Spring St, N Y 13
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 4
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Howe & French, Mfg Dept, E Weymouth, Mass
Innis, Speiden & Co, 117 Liberty St, N Y 6
E & F King & Co, 640 Pleasant St, Norwood, Mass
L J & M La Place, Leliarts Lane, E Paterson, N J
Legrand Chem Corp, 103-50 St, Bklyn 32, N Y
*Lewis Co, 232 Canal St N Y 13
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St. Louis 7, Mo
Manahan Chem Co, 57, N 6 St, Bklyn 1, N Y
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
*Monarch Chem Works, 22 & Ave H, Omaha, Neb
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Rose Chemical Co, 296 Pearl St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Scher Bros, 519 Getty Ave, Clifton, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Stauffer Chem, 420 Lexington Ave, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Western Chem, Ft S W Gibbs St, Portland, Ore

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Commercial • Technical

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(Aluminum Ammonium Sulfate)
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FERRIC AMMONIUM SULFATE
Reagent

FERROUS AMMONIUM SULFATE.
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J M Baird Co, 147 Nassau St, N Y
John A Chew, 60 E 42 St, N Y 17
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Merchants Chem Co, 60 E 42 St, N Y 17
Tesco Chem, Box 173, Sta C, Atlanta, Ga

ALUM, CHROME

J M Baird Co, 147 Nassau St, N Y
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
John A Chew, 60 E 42 St, N Y 17
Faesy & Besthoff, 325 Spring St, N Y 13
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5 Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Wholesale Supply Co, Box 16337 Vine St Sta, Los Angeles 38, Cal

ALUM, POTASH (Alum, Alum Flowers, Alum Meal, Cube Alum, Aluminum Potassium Sulfate, Burnt Alum)

$AlK(SO_4)_2 12H_2O$. White, solid, crystalline or powd. Sp. gr. 1.7571. M.P. 105°C. Sol. water; insol. alcohol. Uses—mfr. aluminum salts, matches, baking powd., margarine, writing inks, leather, paints, varnishes, lake pigments; catalyst in ammonia synthesis; substratum for color lakes; tanning agent; white taxidermy; paper size; gelatin film hardener; engraver; sugar clarifier; mordant in dyeing and printing; waterproofing and fireproofing agent; purifying water; hardening plaster casts; in medicine. Grades—U.S.P.; C.P.; tech.; lump, ground, powdered.

Aceto Chem Co, 82 Beaver St, N Y 5
American-British Chem Supplies, 180 Madison Ave, N Y
J M Baird Co, 147 Nassau St, N Y
*Baker & Adamson Products, 40 Rector St, N Y
John A Chew, 60 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
*Consolidated Chem Industries, 640 Mellie Esperon Bldg, Houston 2, Tex
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Elbert & Co, 2 Broadway, N Y
Faesy & Besthoff, 325 Spring St, N Y 13
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13 Minn
Howe & French, Mfg Dept, E Weymouth, Mass
Philip A Hunt Co, Palisades Park, N J
Innis, Speiden & Co, 117 Liberty St, N Y 6
Legion Chem, 70 Wall St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Manahan Chem Co, 57 N 6 St, Bklyn 1, N Y
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Rose Chem Co, 296 Pearl St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

ALUM MEAL see Alum, Potash

ALUM, PAPERMAKERS' see Aluminum Sulfate

ALUM, POTASH CHROME (Chromium Potassium Sulfate, Chrome Alum)

$Cr_2(SO_4)_3.K_2SO_4.24H_2O$. Dark, violet-red cryst. Sp. gr. 1.83 (0°C). M.P. 89°C. Sol. water; insol. alcohol. Uses—mfr. porcelains, potteries, inks, chromium salts, waterproofing fabrics; tanning agent; photographic hardener and fixative; mordant in dyeing and printing textiles. Grades—C.P.; tech.

Aceto Chem Co, 82 Beaver St, N Y 5
American-British Chem Supplies, 180 Madison Ave, N Y
J M Baird Co, 147 Nassau St, N Y
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
Chem Mfg Co, 21 West St, N Y
John A Chew, 60 E 42 St, N Y 17
Faesy & Besthoff, 325 Spring St, N Y 13
*Fiber Chem Corp, Box 218, Matawan, N J
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Philip A Hunt Co, Palisades Park, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Republic Chem Corp, 94 Beekman St, N Y 38
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Scher Bros, 519 Getty Ave, Clifton, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

ALUM, SODIUM (Aluminum Sodium Sulfate)

$AlNa(SO_4)_2 \cdot 12H_2O$. M.P. 61°C. Colorless cryst. or powd. Sol. water; insol. alcohol. Uses—same as those of Alum Potash. Grades—tech.

Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass

ALUMINA see Aluminum Oxide

ALUMINA, Activated

Trade name product. A highly porous and granular form of aluminum oxide having preferential adsorptive capacity for moisture from gases, vapors and some liq. It is available in granules ranging in size from a powd. to pieces (1½ inches). Uses—drying gases and vapors, dehydrating cartridge in the liq. circuit of refrigerating systems, removal.

*Aluminum Co of America, 670-Dept 16, Gulf Bldg, Pittsburgh 19, Pa
American Firstoline Corp, 420 Lexington Ave, N Y
*Biofen Labs, 14-6, Bridgeport 7, Conn
Frank G Fanning, 50 E 42 St, N Y 17
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
*Reynolds Metals Co, 19 E 47 St, N Y 17

ALUMINA HYDRATE

*Aluminum Co of America, 670-Dept 16, Gulf Bldg, Pittsburgh 19, Pa
American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Biofen Labs, 14-6, Bridgeport 7, Conn
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
John A Chew, 60 E 42 St, N Y 17
Cole Labs, 42-25 9 St, L I C 1, N Y
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*Kaiser Aluminum & Chem Sales, 1924 Broadway, Oakland 12, Cal
*H Kohnstamm & Co, 83 Park Pl, N Y 7
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
*Reynolds Metals Co, 19 E 47 St, N Y 17
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
L N White & Co, 24 Stone St, N Y 4
Witco Chem Co, 295 Madison Ave, N Y 17
Menki Zimmer, Box 5, Fresh Meadows Sta, Flushing, N Y

ALUMINUM (Metal)

Al. Silvery-white metal. Sp. gr. 2.7 M.P. 658°C. B.P. 1800°C. Sol. alkalies and some acids. Uses—for variety of purposes where great strength and low wt. is desirable such as in cooking utensils, airplanes, boats, automobiles, furniture. Also used in alloys.

*Aluminum Co of America, Gulf Bldg, Pittsburgh, Pa
American Firstoline Corp, 420 Lexington Ave, N Y
*Kaiser Aluminum & Chem Co, 1924 Broadway, Oakland 12, Calif
*Reynolds Metals Co, 19 E 47 St, N Y 17

ALUMINUM ACETATE (Basic) (Mordant Salt, Waterproofing Salts, Red Liquor, Oil Pulp, Printers' Acetate)

$Al(OH)(C_2H_3O_2)_2$. M.W. 162.02. White amorp. powd., also 20% sol., water white to pale yellow. Sp. gr. 1.09 (20°C). M.P. 50°C. The 20% solution $(Al(C_2H_3O_2)_3)$ decomp. on heating to the basic acetate. Sl. sol. water; sol. acids. Uses—mfr. color lakes, paints and varnishes; waterproofing and fireproofing textiles; mordant in dyeing and printing; embalming. Grades—tech.; C.P.; in solution.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

n-ALUMINUM ACETATE

$Al(CH_3COO)_3$. M.W. 204.17. Amorp., white powd., decomp. when heated. Sol. water.

J M Baird Co, 147 Nassau St, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

ALUMINUM AMINOACETATE

*Polychem Co, 494 Hunts Point Ave, N Y 59
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

ALUMINUM AMMONIUM SULFATE see Alum, Ammonia

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ALUMINUM BROMIDE

$AlBr_3 \cdot 6H_2O$. M.W. 374.81. Sp. gr. 2.5. B.P. 268°C. M.P. 93°C. Sol. water, alcohol, carbon bisulfide. Uses—organic synthesis.

Philipp Bauer Co, 2 W 47 St, N Y
City Chem Corp, 132 W 22 St, N Y 11
*Dow Chem Co, Midland, Mich
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

ALUMINUM CARBIDE

Al_4C_3. M.W. 143.91. Yellow hexag. cryst. Decomp. over 1400°C. Decomp. to methane in water; sol. acid; insol. acetone. Uses—prod. of methane, alloying.

City Chem Corp, 132 W 22 St, N Y 11

ALUMINUM CHLORIDE (Chloralum)

$AlCl_3+6H_2O$. M.W. 241.43. Yellowish-white deliq. granular cryst. or powd. M.P. 190°C. (2.5 atms. pressure). B.P. 182°C. (752 mm pressure). Sol. water, ether, alcohol. Uses—refining petroleum; catalyst organic, inorganic compounds; carbonizing wool; assist in dyeing with indigo; water disinfectant; wood preservative; in medicine.

American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
Chem Mfg Co, 21 West St, N Y 6
Chemsol Inc, 70 Prince St, Elizabeth 3, N J
*Cornwell Chem Corp, Cornwells Heights, Pa
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Elberta Chem Co, Box 8, Ransomville, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Jordan Co, 51 St & Merrimac Ave, Chicago 38, Ill
*Merrimac Div, Monsanto Chem Co, Buston 49, Mass
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Philipp Bros Chem, 37 Wall St, N Y
Prior Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill

ALUMINUM FLAKE see Aluminum Powder

ALUMINUM POTASSIUM SULFATE see Alum, Potash

ALUMINUM CHLORIDE (Anhydrous)

$AlCl_3+6H_2O$. M.W. 241.43. Yellowish-white deliq. dazzling white when pure, strong odor of HCl, explosive with water. M.P. 182.7°C. Sublimes at 183°C. Sp. gr. 2.440 (20°C). Absorbs moisture with decomposition, forming aluminium oxychloride and hydrochloric acid. Sol. water, chloroform, ether, carbon tetrachloride or carbon disulfide. Uses—synthesis of organic compounds. Grades—C.P. anhydrous; C.P. sublimed.

Adams-Henry Chem Co, 32 Broadway, N Y 4
Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
John A Chew, 60 E 42 St, N Y 17
Cole Labs, 42-25 9 St, L I C 1, N Y
*Delmar Co, Box 108, Elkton, Md
*Elberta Chem Co, Box 8, Ransomville, N Y
Enco Chem Corp, 441 Lexington Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Gulf Refining Co, 722 Gulf Bldg, Pittsburgh 30, Pa
*Harshaw Chem Co, 1945 E 97 St, Cleveland 6, Ohio
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y

ALUMINUM CHLORIDE (Anhydrous) Continued

*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Ohio-Apex, Nitro, W Va
Philipp Bros Chem, 37 Wall St, N Y
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Jos Turner & Co, Ridgefield, N J

ALUMINUM CHROMATE

ALUMINUM CITRATE

$Al_2(C_6O_7H_5)_2$. Colorless to sl. yellow granules. Composition variable. Uses—medicinal; mfr. glizarin pinks.

*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

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ALUMINUM FLUORIDE

$AlF_3.3\frac{1}{2}H_2O$. M.W. 147.2. Colorless cryst. that are sol. in water and loss 2 mol. of H_2O when heated to 120°C.; anhydrous has formula AlF_3. M.W. 83.97. A white powd. Sp. gr. 3.1. Sol. water, acids, alkalies or alcohol.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
Aluminum Co of America, Gulf Bldg, Pittsburgh 19, Pa
American Firstoline Corp, 420 Lexington Ave, N Y
*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6

ALUMINUM FORMATE

$Al(CHO_2)_3.3H_2O$. White cryst. salt. M.W. 215.97. Sol. water at 80°C. Decomp. on boiling. Uses—waterproofing, mordanting, anti-perspirant compounds, embalming compounds.

American Firstoline Corp, 420 Lexington Ave, N Y

ALUMINUM FORMATE SOLUTION

*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

ALUMINUM GLUCONATE

A salt of varying comp., partly a colloidal suspension of $Al(OH)_3$ in gluconic acid; uses—in tanning.

*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y

ALUMINUM HYDRATE see Aluminum Hydroxide

ALUMINUM HYDROXIDE (Aluminum Hydrate, Aluminum Trihydrate, Hydrated Alumina, Precepitated Aluminum Oxide, Hydrargillite, Gibbsite, Diaspore)

$Al(OH)_3$. White, amorp. powd. or lumps. Sp. gr. 2.426. Insol. water, alcohol; sol. hot HCl, H_2SO_4 alkalies. Uses—mfr. aluminum salts, glassware, printing and lithographic inks, lubricants; filtering medium, substratum in lakes; sizing paper; waterproofing textiles; ceramic glaze; mordant in dyeing; purifying water. Grades—96% light and dense; U.S.P.; C.P.; tech.; lump, powd.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Blockson Chem Co, Patterson Rd, Joliet, Ill
*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
John A Chew, 60 E 42 St, N Y 17
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*Kaiser Aluminum & Chem Sales, 1924 Broadway, Oakland 12, Cal
Kingston Chem Co, 15 William St, N Y 5
Lewis Chem Co, 400 Northampton St, Boston 18, Mass
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Reheis Co, Snyder Ave, Berkeley Heights, N J
Republic Chem Corp, 94 Beekman St, N Y 38
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y

ALUMINUM HYDROXIDE, COLLOIDAL GEL

White gelatinous ppt; Insoluble in water. Uses—dyeing mordant; water purification; filtering medium; pharmaceutical preps. for peptic ulcers. Grades—tech; C.P.; W.S.P

J M Baird Co, 147 Nassau St, N Y
*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Kingston Chem Co, 15 William St, N Y 5
Lack Chem Co, 19 Park Pl, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Reheis Co, Snyder Ave, Berkeley Heights, N J
Republic Chem Corp, 94 Beekman St, N Y 38

ALUMINUM IODIDE

AlI_3. Brown, crystalline pieces; M.P. 185°C. B.P. 360° C. Sol. in water. Uses—organic synthesis. Grades—tech.

*City Chem Corp, 132 W 22 St, N Y 11

ALUMINUM ISOPROPYLATE

Aceto Chem Co, 112 Beafer St, N Y 5
*Bios Labs, 17 W 60 St, N Y 23
Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
City Chem Corp, 132 W 22 St, N Y 11
*Conray Products, 510 6 Ave, N Y 11
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
Fallek Products Co, 163 Broadway, N Y 6
*Lamex Chem Corp, 25 Broadway, N Y 4

ALUMINUM LACTATE

$Al(C_3H_5O_3)_3$. M.W. 294.17. White to yellowish powd. Uses—medicinal.

*American Quinine Co, 15 William St, N Y
*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
*Kingston Chem Co, 15 William St, N Y 5

ALUMINUM LINOLEATE

Approx. $Al(C_{18}H_{29}O_2)_3$. M.W. 858.65. Yellow lumps or powd.; linseed oil odor. Insol. water; sol. oils, fixed alkali hydroxides. Use—mfr. lacquers.

*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill

ALUMINUM NAPHTHENATE

Amber-colored, rubbery, non-sticky plastic solid. Uses—bodying agent and penetration inhibitor in paints, enamels, varnishes.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
J M Baird Co, 147 Nassau St, N Y
Frank C Fanning, 50 E 42 St, N Y 17
Mathe Chem Co, 169 Milbank St, Lodi, N J
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Witco Chem Co, 295 Madison Ave, N Y 17

ALUMINUM NITRATE

$Al(NO_3)_3.9H_2O$. Colorless, white crystalline, very hygroscopic. M.P. 73°C (nine molecules of water or crystallization). B.P. decomp. at 100°C. Sol. cold water, alcohol, acetone. Uses—tanning leather, mordant in dyeing and printing textiles; incandescent electric light filaments. Grades—tech; C.P.

American Mineral Spirits Co, 155 E 44 St, N Y 17
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38

ALUMINUM OLEATE

$Al(C_{18}H_{33}O_2)_3 + 6H_2O$. Yellowish-white, solid gelatinous mass. Insol. water; sol. turpentine, oil, alkalies; very sl. alcohol, hot ether, benzine. Uses—paint and varnish drier; waterproofing textile; thickening lubricating composition; in turpentine solutions as lacquer for metals; as size. Grades—tech.

American Mineral Spirits Co, 155 E 44 St, N Y 17
J M Baird Co, 147 Nassau St, N Y
Beier Co, 150 Nassau St, N Y 38
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Witco Chem Co, 295 Madison Ave, N Y 17

ALUMINUM OXALATE

$Al_2(C_2O_4)_3.4H_2O$. M.W. 390. White powd.

*Consolidated Chem Industries, 640 Mellie Esperon Bldg, Houston 2, Tex
*Oronite Chem Co, 38 Sansome St, San Francisco, Cal

ALUMINUM OXIDE (Alumina, Corundum)

Al_2O_3. White, amorp. powd. Sp. gr. 3.73. M.P. 2020°C. Sol. conc. sulfuric acid; insol. water. Uses—mfr. dental cements, laboratory crucibles, refractory articles, ceramics, abrasives; filler in paints and varnishes; mordant in calico printing; in aluminum metal. Grades—from 8 mesh to finest powd.; C.P.; tech.

American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Buckingham Products Co, 14100 Fullerton Ave, Detroit 27, Mich
*Carborlindum Co, Box 337, Niagara Falls, N Y
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*Exolon Co, Tonawanda, N Y
Fay-Cole & Co, 71 India St, Boston, Mass
Harrison & Co, 487 Groveland St, Haverhill, Mass
*John W Higman Co, 24 State St, N Y 4
*Kaiser Aluminum & Chem Sales, 1924 Broadway, Oakland 12, Cal
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
New England Quartz Co, 454 7 Ave, N Y 1
Norton Co, 50 New Bond St, Worcester 6, Mass
Republic Chem Corp, 94 Beekman St, N Y 38
*Reynolds Metals Co, 19 E 47 St, N Y 17
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

ALUMINUM OXIDE, PRECIPITATED see Aluminum Hydroxide

*Company classifies itself as manufacturer or producer of this product

ALUMINUM PALMITATE

$Al(C_{16}H_{31}O_2)_3 + H_2O$. Yellowish-white, solid, amorp. Insol. water; sol. alkalies, petroleum, oil, turpentine. Uses—varnish and paint ingredient, waterproofing paper, textiles, leather; increasing viscosity of lubricating oils; high gloss on leather and paper.

J M Baird Co, 147 Nassau St, N Y
J W Guthrie Co, 725-2 St, San Francisco 7, Cal
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Leffingwell Chem Co, P O Box 191, Whittier, Cal
*Mathe Chem Co, 169 Millbank St, Lodi, N J
*Metasap Chem Co, Logan & Davis Sts, Harrison, N J
*M W Parsons-Plymouth, 59 Beekman St, N Y 38
*Witco Chem Co, 295 Madison Ave, N Y 17

ALUMINUM PASTE

Finely divided aluminum mixed with suitable vehicle. Uses—see Aluminum Powder.

American Firstoline Corp, 420 Lexington Ave, N Y
*Argus Chem Lab, 56 Clifton Pl, Bklyn 5, N Y
*Baer Bros, 438 W 37 St, N Y 18
Chem Mfg Co, 21, West St, N Y
Dyechem Products Corp, 60 Broad St, N Y 4
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Stanley Doggett, 75 Varick St, N Y 13
Henry L Grund, 406 Bulkley Bldg, Cleveland, Ohio
*Edwin R Howell, 3478 Bewick Ave, Detroit, Mich
*Magna Mfg Co, Haskell, N J
*Marks Chem Works, 20 W 22 St, N Y 10
*Reade Mfg Co, 135 Hoboken Ave, Jersey Ctiy 2, N J
*Reynolds Metals Co, 19 E 47 St, N Y 17
Western Chem, Ft S W Gibbs St, Portland, Ore
Wolverine Solvents & Chem Co, 1500 Century Ave, Grand Rapids 9, Mich
C L Zimmerman Co, N-204 Cincinnati Union Terminal, Cincinnati 3, Ohio

ALUMINUM PHOSPHATE

$AlPO_4$. White powd. Sol. mineral acids; insol. water. Uses—as a cement mixed with calcium sulfate and sodium silicate; as flux in ceramics.

*J T Baker Chem Co, Phillipsburg, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

ALUMINUM m-PHOSPHATE

$Al(PO_3)_3$. Approx. chem analysis: Al_2O_3, 19.0%; P_2O_5, 79.0%. Loss on ign.; 1.6%. Refractive Index (Amorp.)=1.542=0.005. Suggested applications are as a pigment in paper mfr. and as a source of Al_2O_3 and P_2O_5 in special glasses.

American Mineral Spirits Co, 155 E 44 St, N Y 17
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

ALUMINUM POWDER (Aluminum Flake)

Al. Silvery solid. Sp. gr. 2.708. M.P. 700°C. B.P. approx. 2200°C. Sol. acids, alkalies; insol. water. Uses—mfr. aluminum salts, pyrotechnics, photographic flashlights, aluminum paints and varnishes, ammoniacal and other explosive compositions, rubber ingredients, paper coating, potteries and porcelains, aluminothermis welding, chemicals, alloys, electrical conductors, fire brick; as catalyst mfr. ammonia; absorbing occluded gases in mfr. steel; in chemical analysis. Grades—dust, flake, standard unpolished, powdered.

Aceto Chem Co, 812 Beaver St,, N Y 5
American Firstoline Corp, 420 Lexington Ave, N Y
*Argus Chem Lab, 56 Clifton Pl, Bklyn 5, N Y
*Baer Bros, 438 W 37 St, N Y 18
Barclay Chem Co, 75 Varick St, N Y
Conray Products, 510 6 Ave, N Y 11
Croton Chem Corp, 114 Liberty St, N Y 6
*Stanley Doggett, 75 Varick St, N Y 13
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Henry L Grund, 406 Bulkley Bldg, Cleveland, Ohio
L Hemmerdinger & Co, 424 E 123 St, N Y 35
*Edwin R Howell, 3478 Bewik Ave, Detroit, Mich
Hummel Chem Co, 90 West St, N Y E
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
*Magna Mfg Co, Haskell, N J
*Metals Disintegrating Co, P O Box 290, Elizabeth, N J
D H Osgood Co, 4181 Oakman Blvd, Detroit 4, Mich
Overseas Enterprises, 25 Beaver St, N Y
*Reade Mfg Co, 135 Hoboken Ave, Jsersey City 2, N J
Republic Chem Corp, 94 Beekman St, N Y 38
*Reynolds Metals Co, 19 E 47 St, N Y 17
Paul W Wood Co, 350 Townsend St, San Francisco 7, Cal
C L Zimmerman Co, N-204 Cincinnati Union Terminal, Cincinnati 3, Ohio

ALUMINUM RESINATE

$Al(C_{44}H_{83}O_5)_3$. Brown, solid amorp. Insol. water. Uses—drier for varnishes. Grades—tech.; fused; precip.

J M Baird Co, 147 Nassau St, N Y
*J Meyer & Sons, 4321 N 4 St, Phila 40, Pa

ALUMINUM SILICATE

$Al_2O_3.Si_2O_4$. M.W. 345.94. Sp. gr. 3.15.

*Aluminum Flake Co, 965 Wooster Rd, Barberton, Ohio
Berlow & Schlosser Co, 401 Industrial Trust Blvd, Providence, R I
Charles B Chrystal Co, 53 Park Pl, N Y 7
City Chem Corp, 132 W 22 St, N Y 11
*Edgar Bros Co, Metuchen, N J
*Mineralite Sales Corp, 90 Pine St, N Y 5
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
Witco Chem Co, 295 Madison Ave, N Y 17

ALUMINUM SODIUM SULFATE see Alum, Sodium

ALUMINUM STEARATE see also other Aluminum Soaps

$Al(C_{18}H_{35}O_2)_3$. White to yellowish amorp. powd. Insol. water; sol. turpentine oil, petroleum, alkalies; sl. so. alcohol. Uses—mfr. dyes, dye preps., tinning and soldering compounds, cutting and lubricating compositions; as paint and varnish drier; coating agent; in waterproofing textiles; artificial thickening of vegetable, mineral oils.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Berlow & Schlosser Co, 401 Industrial Trust Blvd, Providence, R I
Braun Corp, 2260 E 15 St, Los Angeles 21, Cal
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
Frank G Fanning, 50 E 42 St, N Y 17
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
Hawkins Chem Co, 3100 E Hennegin Ave, Minneapolis 13, Minn
R B Huber, 216 Tremont St, Boston 16, Mass
Innis, Speiden & Co, 117 Liberty St, N Y 6
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*Leffingwell Chem Co, P O Box 191, Whittier, Cal
Lewis Chem Co, 400 Northampton St, Boston 18, Mass
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

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ALUMINUM STEARATE, continued

George Mann & Co, 251 Fox Point Blvd, Providence, R I
*Mathe Chem Co, 169 Millbank St, Lodi, N J
Merchants Chem Co, 60 E 42 St, N Y 17
*Metasap Chem Co, Logan & Davis Sts, Harrison, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*M W Parsons-Plymouth, 59 Beekman St, N Y 38
Philipp Bros Chem, 37 Wall St, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Prior Chem Corp, 420 Lexington Ave, N Y 17
Walter A Reinicke, 549 W Washington Blvd, Chicago 6, Ill
Republic Chem Corp, 94 Beekman St, N Y 38
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
George F Smith, 60 E 42 St, N Y 17
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Jos Turner & Co, Ridgefield, N J
*Warwick Chem Co Div, Wood River Junction, R I
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
Witco Chem Co, 295 Madison Ave, N Y 17

ALUMINUM SULFATE (Cake Alum, Papermakers' Alum, Pearl Alum, Patent Alum, Pickle Alum)

$Al_2(SO_4)_3 + 18H_2O$. M.W. 666.40. White, solid, powdered or granular crystalline. Loses water on crystallization, 48.6% when gradually heated to 200°C. Sp. gr. 1.62. Decomp. at 86.5°C. Sol. water, insol. alcohol. Uses—mfr. wood pulps, paper, alums, aluminum salts, printing inks, lubricants, red liquor, boiler compounds, lake colors, satin white, oil cloth, linoleum, ceramics, paper sizing; as filtering medium; waterproofing agent; mordant in dyeing; in clarifying fats and oils; tanning white leather; purifying water; deodorant and decolorizing petroleum; in medicine. Domestic product usually contains at least 17% Al_2O_3. Grades—commercial; iron free; lump, ground, powdered; N.F.; C.P.; U.S.P.

American-British Chem Supplies, 180 Madison Ave, N Y
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barada & Page, Guimotta & Mich Ave, Kansas City 1, Mo
Barclay Chem Co, 75 Varick St, N Y
F M Browning, 150 Broadway, N Y 38
Central Illinois Labs, 1801 S Washington St, Peoria, Ill
Chem Mfg Co, 21 West St, N Y
John A Chew, 60 E 42 St, N Y 17

ALUMINUM SULFATE, continued

Dakoline Chem Co, 357 Atlantic Ave, Bklyn, N Y
Detroit Chem Works, 125 S Junction Ave, Detroit 9, Mich
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
European Chem Co, 366 Broadway, N Y 13
Faesy & Besthoff, 325 Spring St, N Y 13
Frank G Fanning, 50 E 42 St, N Y 17
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
George E Howard, Riverview Manor, Harrisburg, Pa
Ideal Chem & Supply Co, P O Box 5597, Memphis 4, Tenn
Industrial Sales Corp, 500 5 Ave, N Y 18
Innis, Speiden & Co, 117 Liberty St, N Y 6
International Selling Corp, 70 Pine St, N Y 5
Kingston Chem Co, 15 William St, N Y 5
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Manahan Chem Co, 57 N 6 St, Bklyn 1, N Y
George Mann & Co, 251 Fox Point Blvd, Providence, R I
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
Miller Chem & Fertilizer Corp, 1000 S Caroline St, Baltimore 31, Md
Mutchler Chem Co, 258 Broadway, N Y 7
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
Philipp Bros Chem, 37 Wall St, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Scher Bros, 519 Getty Ave, Clifton, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Ben P Steele Co, 342 Madison Ave, N Y 17
*Tenn Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Western Chem Co, Box 703, Altoona, Pa
White Star Chem Corp, 2030 E Adams St, Jacksonville, Fla
*Witco Chem Co, 295 Madison Ave, N Y 17

ALUMINUM SULFOCARBOLATE (Aluminum Phenolsulfonate)

$Al_2(C_6H_4HSO_4)_6$. Reddish-white powd. with sl. phenol odor. Sol. water, alcohol, glycerin. Uses—antiseptic, astringent.

*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

ALUMINUM TRIHYDRATE see Aluminum Hydroxide

AMBERGRIS

Concretion from intestinal tract of sperm whale. Found in tropical seas or on sea shores. Composed of cholesterol (about 80%), fatty oil, ambrein, benzoic acid. Irregular gray to black waxy masses. Peculiar, characteristic odor. Sp. gr. 0.8-0.92. M.P. about 60°C. Insol. in water or alkali hydroxides; sol. in hot alcohol, chloroform, ether, fats, volatile oils. Uses—perfumery, stimulant in medicine.

Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
*Julian W Lyon, 7 Dey St, N Y 7
Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*J Manheimer, 214 E 21 St, N Y 19
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
Tombarel Products Corp, 12 E 22 St, N Y 10

AMBOYNA see Oil, Cloves

AMERICAN ASHES see Potassium Carbonate

AMIANTHUS see Asbestos

AMIDES

Compounds derived from carboxylic acids by replacing the hydroxyl of the —COOH group by the amino group.

*Alrose Chem Co, 180 Mill St, Cranston 5, R I
American Mineral Spirits Co, 155 E 44 St, N Y 17
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
J M Baird Co, 147 Nassau St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*E I Du Pont de Nemours & Co, Grasselli Chem Dept Wilmington, Del
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Scher Bros, 519 Getty Ave, Clifton, N J
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
Paul W Wood Co, 350 Townsend St, San Francisco 7, Cal

AMIDOETHANE see Ethyl Amine

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The ARMIDS are a series of 11 high molecular weight aliphatic amides having alkyl chain lengths of 8 to 18 carbon atoms.

The ARMIDS are available in commercial quantities for use in emulsions, printing inks, plastic anti-blocks, asphalt compounds, dye solubilizers, wax mixtures and chemical synthesis.

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AMIDO-MERCURIC CHLORIDE see Mercury, Ammoniated

AMINATE see Aminoguanidine Bicarbonate

AMINES see also Monoethanolamine, Diethanolamine, Triethanolamine, Ethylene Diamine, Acetoacetanilide, Monoamylamine, Diamylamine, etc.

A group of compounds derived from ammonia by substitution of organic radicals for hydrogen atoms. Class includes diamines (2 NH_2 groups), primary and tert. amines, and quaternary bases, for both aliphatic and aromatic series. Amines used commercially include monoethanolamine, diethanolamine, ethylene, diamine, triethanolamine and acetoacetanilide. Uses—as bases; with fatty acids to form soaps; organic synthesis; removal CO_2 from inert gases; softening and moistening agents; acid gas absorbents; solvents, dispersing agents, plasticizing agents; medicinals; rubber accelerators and inhibitors; mfr. dyestuffs.

*Alrose Chem Co, 180 Mill St, Cranston 5, R I
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
J M Baird Co, 147 Nassau St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich
*E F Drew & Co, 15 E 26 St, N Y 10
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Gen Mills, Chem Div, 400 2 Ave S, Minneapolis, Minn
*B F Goodrich Chem Co, 2060 E 9 St, Cleveland 15, Ohio
Martin, Hoyt & Milne, 615-625 Merchants Exchange Bldg, San Francisco 4, Cal
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Petrolite Corp, 30 Broad St, N Y 4
Reilly Tar & Chem Corp, 1615 Merchant Bank Bldg, Indianapolis 4, Ind
*Rohm & Haas Co, Washington Square, Phila 5, Pa
*Sharples Chem, 123 S Broad St, Phila 9, Pa
*Tennessee Eastman Co, 10 E 40 St, N Y 16
*Warwick Chem Co Div, Wood River Junction, R I
Paul W Wood Co, 350 Townsend St, San Francisco 7, Cal

p-AMINOACETANILIDE (Acetyl-p-Phenylenediamine)

$NH_2.C_6H_4.NH.CO.CH_3$. M.W. 150.09. White or sl. reddish needles. M.P. 160.5°C. Sol. water, alcohol, ether. Uses—mfr. azo dyes, intermediates, organic chemicals. Grades—90% powd.

*Antara Products Div, 435 Hudson St, N Y 14
J M Baird Co, 147 Nassau St, N Y
*Universal Chem Co, 30 Huntington Ave, Boston, Mass

AMINOAZOBENZENE (p-Aminodiphenylimide Phenylazoaniline, Aniline Yellow)

$C_6H_5N[1]:N.C_6H_4NH_2[4]$. M.W. 197.11. Brownish-yellow needle cryst. M.P. 126°C. B.P. below 360°C. Sol. alcohol, benzene, chloroform, ether; sl. sol. water. Uses—mfr. derivatives, chrysoidine and induline dyes; coloring food products, and alcohol varnishes. Grades—tech.

*Antara Products Div, 435 Hudson St, N Y 14
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y

AMINOAZOBENZENE HYDROCHLORIDE

$C_6H_5N[1]:N.C_6H_4.NH_2[4].HCl$. Bluish needle cryst. or powd. Sol. alcohol, very sl. water. Uses—imparts color to lacquers.

Antara Products Div, 435 Hudson St, N Y 14
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio

AMINO-AZOTOLUENE (o-Aminiazotoluene, Toluazotoluidine)

$C_{14}H_{15}N_3$. Dark yellow to red cryst. M.P. 80-128°C. (depending on position of groups). Sol. alcohol, chloroform, ether, fixed oils; very sl. water. Uses—mfr. intermediates, organic chemicals, dyestuffs, pharmaceuticals. Grades—C.P.

*Antara Products Div, 435 Hudson St, N Y 14
*Calco Chem Div, Bound Brook, N J
*Foster-Heaten Co, 16 E 5 St, Paterson 4, N J
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio

o-AMINOAZOTOLUENE see Amino-azotoluene

AMINOBENZENE see Aniline

p-AMINOBENZENESULFONAMIDE see Sulfanilamide

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1-Amino-5-naphthol
2-Amino-4-nitrobenzoic Acid
3-Aminopyridine
4-Aminopyridine
6-Aminoquinoline
7-Aminoquinoline
2-Aminoquinoxaline
Cadaverine
Decamethylenediamine
1,3-Diaminopropane
Ethanolamine Dinitrate
Galactosamine
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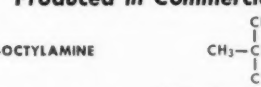
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AMINOBENZOTHIAZOLE (2—Aminobenzothiazole)
$C_7H_6N_2S$. M.W. 150.19. Insol. water; sol. dilute acid, methanol. Uses—polymerization accelerator, organic synthesis.
*Bios Labs, 17 W 60 St, N Y 23
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J

2—AMINOBENZOTHIAZOLE see **Aminobenzothiazole**

AMINOBENZOYL - DIETHYLAMINOETHANOL HYDROCHLORIDE see **Procaine Hydrochloride**

2-AMINO-1-BUTANOL
$CH_3CH_2CH(NH_2)CH_2OH$. Isomeric with 2 amino-2-methyl-1-propanol. Colorless, moderately viscous liq. Sol. in water and most organic solvents.
*Commercial Solvents Corp, 17 E 42 St, N Y 17

AMINODICHLOROBENZENE see **Dichloroaniline**

AMINOCUMENE see **Cumidine**

p-AMINODIETHYLANILINE HYDROCHLORIDE
$(C_2H_5)_2NC_6H_4NH_2.HCl$. M.W. 165. Free-flowing white to gray-brown cryst. Sol. alcohol, ether. Uses—color photographic developing formulas.
*Distillation Products Industries, Rochester 3, N Y
*Edwal Labs, Ringwood, Ill
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
*Industrial Dyestuff Co, Massasoit Ave, E Providence 14, R I

AMINODIMETHYLBENZENE see **Xylidines (Mixed)**

o-AMINO DIPHENYL
$C_{12}H_{11}N$. M.W. 169.098. Purplish cryst. Uses—organic synthesis. Ship. Class.—chemicals.
*Bios Labs, 17 W 60 St, N Y 23
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis, Mo

AMINODIPHENYL
*Bios Labs, 17 W 60 St, N Y 23

p-AMINODIPHENYLIMIDE PHENYLAZOANILINE see **Aminoazobenzene**

AMINOETHANE see **Ethyl Amine**

AMINOETHYLETHANOLAMINE
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

2-AMINOETHYLETHANOLAMINE
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

b-AMINOETHYLGLYOXALINE see **Histamine**

2-AMINO-2-ETHYL-1,3-PROPANEDIOL
$CH_2OHC(C_2H_5)(NH_2)(CH_2OH)$. Chemical properties of this compound are very similar to those of 2 Amino-2-methyl-1,3 propanediol, described below. Due to low M.P. of 2 Amino-2-ethyl-1,3 propanediol it may be a viscous liq. rather than a solid at room temp.
*Commercial Solvents Corp, 17 E 42 St, N Y 17

AMINOFORM see **Hexamethylenetetramine**

AMINOGUANIDINE BICARBONATE (Aminate)
$NH_2NHC(NH_2)(:NH:H_2CO_3)$. M.W. 136.09. White powd. Insol. cold water, alcohol. Uses—prep. of tetracene; dyestuffs; in photography.
*Bios Labs, 17 W 60 St, N Y 23
*Fine Organics, 211 E 19 St, N Y 3
*Trojan Powder Co, 17 N 7 St, Allentown, Pa

2-AMINO HEPTANE
*Bios Labs, 17 W 60 St, N Y 23
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Lack Chem Co, 19 Park Pl, N Y 7
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

AMINO-ISOPROPYLBENZENE see **Cumidine**

AMINOMETHANE see **Methyl Amine**

2-AMINO-2-METHYL-1,3-PROPANEDIOL
$CH_2OHC(CH_3)(NH_2)(CH_2OH)$. Colorless, odorless solid. Sol. water and alcohols. Uses—its soaps are valuable as emulsifying agents.
*Commercial Solvents Corp, 17 E 42 St, N Y 17

2-AMINO-2-METHYL-1-PROPANOL
$CH_3C(CH_3)NH_2CH_2OH$; Colorless liq. white crystalline soid. Sp. gr. .0934 at 20°C/20°C.; B.P. (760 mm) 165°C (10 mm) 67.4°C. M.P. 25-25°C. Sol. in water. Uses—emulsifying agent for oils, fats and waxes; absorbent for acidic gases; chemical synthesis
*Commercial Solvents Corp, 17 E 42 St, N Y 17

a-AMINONAPHTHALENE see **a-Naphthylamine**

2-AMINO 6-OXYPURINE see **Guanine**

AMINOPHEN see **Aniline**

m-AMINOPHENOL
$NH_2C_6H_4OH$. M.W. 109.06. Buff crystalline powd. M.P. 122°C. Sol. alcohol. Uses—intermediate for the mfr. of dyes; intermediate in mfr. of p-Aminosalicylic Acid.
American Roland Corp, 16 Hudson St, N Y
J H Bauminger, 421 7 Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
*Fallek Products Co, 163 Broadway, N Y 6
Keto Chem Co, 40-33 23 St, L I C 1, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
*Tennessee Eastman Co, 10 E 40 St, N Y 16
Wilson Export & Import Corp, 35 Water St, N Y 4
*Wilson Organic Chem, P O Box 452, Sayreville, N J

o-AMINOPHENOL
$C_6H_4.(NH_2)(OH)1:2$. White, crystalline powd. M.P. 170°C. Sol. water, alcohol, ether. Uses—mfr. azo, sulfur, hair and fur dyes. Grades—tech.; 99%; photographic; U.S.P.
Joseph Caspe, 50 Columbia St, Newark 5, N J
Conray Products, 510 6 Ave, N Y 11
B G Feinberg, 112 W 44 St, N Y 18
*Industrial Dyestuff Co, Massasoit Ave, E Providence 14, R I
*Verona Chem Co, 26 Verona Ave, Newark, N J

o-AMINOPHENOL HYDROCHLORIDE
$C_6H_7ON.HCl$. M.W. 145.53. White cryst.; readily becoming gray on exposure to light. Sol. water, alcohol. Uses—in dying fur, hair, leather, etc.
*Calco Chem Div, Bound Brook, N J
Joseph Caspe, 50 Columbia St, Newark 5, N J
Conray Products, 510 6 Ave, N Y 11
*Tennessee Eastman Co Div, Eastman Kodak Co, 10 E 40 St, N Y 16
*Verona Chem Co, 26 Verona Ave, Newark, N J

AMINOPHENOL SULFATE
Joseph Caspe, 50 Columbia St, Newark 5, N J
Conray Products, 510 6 Ave, N Y 11
B G Feinberg, 112 W 44 St, N Y 18

AMINOPHYLLINE (Theophylline Ethylenediamine)
$(C_7H_8O_2N_4)_2C_2H_4(NH_2)_2\ 2H_2O$; M.W. 456.3 White or sl. yellow granules or powd.; sl. ammonia odor; biter taste, insol. alcohol or ether. Keep tightly closed and away from light. Uses—diuretics, coronary dilator.
American Roland Corp, 16 Hudson St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Benzol Products Co, 237 South St, Newark 25, N J
*F L Bodman, 328 Chestnut St, Phila 6, Pa
*Edward S Burke, 65 Pine St, N Y
Conray Products, 510 6 Ave, N Y 11
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
*Drug Labs, 408 N 3 St, Phila 23, Pa
*Fallek Products Co, 163 Broadway, N Y 6
Fellows Medical Mfg Co, 26 Christopher St, N Y 14
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Gane's Chem Works, 677 5 Ave, N Y 22
*Gane & Ingram, 43 W 16 St, N Y 11
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Lamex Chem Corp, 25 Broadway, N Y 4
*B L Lemke & Co, 199 Main St, Lodi, N J

PARA-aminophenol

• Eastman p-aminophenol serves as an intermediate in the manufacture of sulphur colors and azo dyes. It is also suitable as an ingredient in fur, hair, and feather dyes. Available in drum lots.

TENNESSEE EASTMAN COMPANY
Division of Eastman Kodak Company
KINGSPORT, TENNESSEE

EASTMAN INDUSTRIAL CHEMICALS

Sales Reps in principal cities—see ad in Catalog Section.

*Company classifies itself as manufacturer or producer of this product

AMINOPHYLLINE, continued

*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Prentiss Drug & Chem Co, 110 William St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Sterone Corp, 250 W 57 St, N Y 19
George Uhe Co, 76 9 Ave, N Y 14

2-AMINO PYRIDINE

$C^5H^6N_2$. M.W. 94.11; Nitrogen 29.77%. M.P. 55° C. B.P. 203-205°C. white leaflets or large, colorless cryst. Sol. water, alcohol, benzine, ether, not petroleum benzin.

J M Baird Co, 147 Nassau St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Nepera International Corp, 37 Wall St, N Y 5

AMINOPYRINE (Pyramidone)

$C_{13}ON_3(CH_3)_2C_6H_5$. Colorless crystalline powd. M.P. 107°-109°C.

American Roland Corp, 16 Hudson St, N Y
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
Chem Service Corp, 82 Beaver St, N Y 5
Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
Conray Products, 510 6 Ave, N Y 11
*Desmo Chem Corp, 565 5 Ave, N Y 17
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Gane & Ingram, 43 W 16 St, N Y 11
Lack Chem Co, 19 Park Pl, N Y 7
Lamex Chem Corp, 25 Broadway, N Y 4
Legion Chem, 70 Wall St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
Mutchler Chem Co, 258 Broadway, N Y 7
*National Aniline Div, 40 Rector St, N Y 6
*Nepera International Corp, 37 Wall St, N Y 5
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Edgar Ostrander Co, 220 5 Ave, N Y 1
Prentiss Drug & Chem Co, 110 William St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Sterone Corp, 250 W 57 St, N Y 19
Tuteur Bio-Chem, 60 Wall St, N Y 5
George Uhe Co, 76 9 Ave, N Y 14

AMINOTHIAZOLE

$C_3H_4N_2S$. M.W. 100.14. Its general characteristics are: Appearance—light brown cryst., assay—98%, crystallizing point—87.5°C. It is used chiefly in chemical syntheses.

*Bios Labs, 17 W 60 St, N Y 23
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J

AMINO THIOUREA see Triosemicarbazide

AMINOTOLUENE see Toluidines (Mixed)

AMINOXYLENE see Xylidines (Mixed)

AMMONIA (Anhydrous)

NH_3. Colorless gas, pungent odor. Liquefies at —77.7° C, higher temp. at pressure above atmospheric pressure. Sp. gr. 0.7710 (gas). B.P. —33.4°C at 760 mm. Sol. water, alcohol, ether. Uses—as a refrigerant (see also Ammonia Water). Grades—tech.; pure.

S L Abbot Co, 135 King St, San Francisco 7, Cal
American-British Chem Supplies, 180 Madison Ave, N Y
American Quinine Co, 15 William St, N Y
Ashcraft-Wilkinson Co, 601 Trust Co of Ga Bldg, Atlanta 3, Ga
Atlantic Chem & Equipment Co, 874 Ashby St N W, Atlanta 3, Ga
J M Baird Co, 147 Nassau St, N Y
*Barrett Div, 40 Rector St, N Y 6
Bonewitz Chem P O Box 560, Burlington, Iowa
*Henry Bower Chem Mfg Co, Gray's Ferry Rd & 24 St, Phila 46, Pa
Central O B Products Co, 1230 Genessee St, Buffalo, N Y
Chem Mfg Co, 21 West St, N Y
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Polychem Dept, Wilmington 98, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Herbert Chem Co, Vine St & Murray Rd, Cincinnati 17, Ohio
N H Heyman, 244 E 91 St, N Y 28
Hill Bros Chem Co, 1525 S 28 St, San Diego, Cal

Fine Chemicals — BPC

AMINOPHYLLINE

BENZOL PRODUCTS CO.
237 SOUTH STREET NEWARK 5, N. J.

Edw. S. Burke
J. F. Hollywood

AMINOPHYLLINE U.S.P.
THEOPHYLLINE U.S.P. DEHYDRATED
PENTOBARBITAL SODIUM U.S.P.
PHENOBARBITAL U.S.P.
dl AMPHETAMINE BASE
HYDROQUINONE, PHOTO AND TECHNICAL
SODIUM BENZOATE U.S.P.
POTASSIUM PERMANGANATE, U.S.P. AND TECHNICAL

EDW. S. BURKE
ESTABLISHED 1917
65 PINE STREET, NEW YORK 5, N. Y.
Representing:
CARUS CHEMICAL CO., INC. BENZOL PRODUCTS CO.

AMIDOPYRENE U. S. P. ANTIPYRENE U. S. P.
BISMUTH GLYCOLYL ARSANILATE
BISMUTH QUININE IODIDE
CALCIUM ASCORBATE CALOMEL U. S. P.
DEXTROSE C. P. ANHYDROUS
NEOSTIGMINE METHYLSULFATE U. S. P. XIV
NIKETHAMIDE SULFACETAMIDE
P. A. S. ACID and SODIUM
AMINO ACIDS AMPHETAMINES
HORMONES
SULFA DRUGS VITAMINS

Conray PRODUCTS COMPANY
510 6 TH AVE., NEW YORK 11, N. Y.
OREGON 5-2505

*Company classifies itself as manufacturer or producer of this product

AMMONIA
ANHYDROUS
and
AQUA

MATHIESON
CHEMICALS

SODA ASH — CAUSTIC SODA
BICARBONATE OF SODA — LIQUID CHLORINE
CHLORINE DIOXIDE — DRY ICE
FUSED ALKALI Products
SODIUM CHLORITE Products
HTH Products — CARBONIC GAS
AMMONIA, ANHYDROUS, AQUA
SODIUM METHYLATE — SULPHURIC ACID
SULPHUR — AMMONIUM SULPHATE
NITRATE OF SODA — FERTILIZERS

Mathieson CHEMICALS

Mathieson Bldg.—Baltimore 3, Md.

AMMONIA, ANHYDROUS, continued

Abner Hood Chem Co, 507 N Montgall Ave, Kansas City 1, Mo
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
George E Howard, Riverview Manor, Harrisburg, Pa
Kingston Chem Co, 15 William St, N Y 5
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*Lion Oil Co, El Dorado, Ark
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
Matheson Co, Paragon Div, E Rutherford, N J
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
Merchants Chem Co, 1100 S Barclay St, Milwaukee 4, Wis
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
Millmaster Chem Corp, 420 Lexington Ave, N Y 17
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Ohio Chem & Surgical Equipment Co, 1400 Washington Ave, Madison 10, Wis
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
Philipp Bros Chem, 37 Wall St, N Y
*Phillips Chem Co, Bartlesville, Okla
Republic Chem Corp, 94 Beekman St, N Y 38
Robinson Bros Chem 255 Randolph St, Bklyn 6, N Y
*Shell Chem Corp, 50 W 50 St, N Y 20
*Spencer Chem Co, 610 Dwight Bldg, Kansas City 6, Mo
*Tesco Chem, Box 173, Sta C, Atlanta, Ga
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Van Waters & Rogers, 4000 1 Ave S, Seattle, Wash

AMMONIA (AQUA) (Ammonia Water, Aqua Ammonium, Ammonium Hydrate, Ammonium Hydroxide, Spirits of Hartshorn)

NH_4OH. Varying properties according to compositions. Colorless solution of gas in H_2O. Sp. gr. 0.897 at 15°C (28%). Tech. grade usually 29.4 (26° Be). B.P. 38.5° C. Sol. water. Caution—mix with H_2SO_4 or other mineral acids with care. Uses—mfr. intermediates, organic compounds, synth. drugs, perfumes, ammonia soaps, ammonia salts, anhydrous ammonia, nitric acid (by synthesis), sodium cyanide, soda ash, ammonium nitrate, ammonium picrate, ammonium sulfate, ceramics, glues, cements, inks, laboratory reagents, paper, pulp, blue print paper, smelling salts; as cleaning, bleaching, fireproofing, and resin condensing agents; photographic developer; accelerator in phenolic condensations; refrigerant; vulcanization accelerator; solvent in making cuprammonium rayon; assist in dyeing and printing; in fireproofing wood; lub. compositions; tanning leather; in brass, steel, and metal industries; electrotyping and photo-engraving, scouring wool; in sulfuric acid mfr. to furnish nitre oxides by oxidation; in medicine. Grades—16,18,20,26 deg. solution; tech.: C.P.; U.S.P.

S L Abbot Co, 135 King St, San Francisco 7, Cal
Aetna Color & Chem Co, 60 Linden Ave, E Paterson, N J
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Ashcraft-Wilkinson Co, 601 Trust Co of Ga Bldg, Atlanta 3, Ga
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
*Henry Bower Chem Mfg Co, Gray's Ferry Rd & 29 St, Phila 46, Pa
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
Carrier-Stephens Co, Lansing, Mich
Cascade Chem Co, 3217 17 Ave W, Seattle, Wash
Chem Mfg Co, 21 West St, N Y
Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Fassy & Besthoff, 325 Spring St, N Y 13
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Hachik Bleach Co, 50 & Wynnefield Ave Phila, Pa
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Herbert Chem Co, Vine St & Murray Rd, Cincinnati 17, Ohio
Hill Bros Chem Co, 1525 S 28 St, San Diego, Cal
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
Howe & French, Mfg Dept, E Weymouth, Mass
Phillip A Hunt Co, Palisades Park, N J
Industrial Chem Products Co, 422 E Beacon St, Dayton 2, Ohio
Innis, Speiden & Co, 117 Liberty St, N Y 6
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
L Kruger & Co, 75 West St, N Y
L J & M La Place, Leliarts Lane, E Paterson, N J
A Lee Co, Box 898, Lawrence, Mass
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
George Mann & Co, 251 Fox Point Blvd, Providence, R I
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Milwaukee Solvay Coke Co, 311 E Greenfield Ave, Milwaukee, Wis
Mutchler Chem Co, 258 Broadway, N Y 7
*National Chem Co, 1506 Industrial St, Los Angeles 21, Cal
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*No-Name Products, 1218 W Pierce St, Milwaukee, Wis
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
Philipp Bros Chem, 37 Wall St, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Robinson Bros Chem, 255 Randolph St, Bklyn 6, N Y
Scher Bros, 519 Getty Ave, Clifton, N J
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
*Shell Chem Corp, 50 W 50 St, N Y 20
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Slater-Robbins Co, 28-44 Borden Ave, L I C, N Y
*Spencer Chem Co, 610 Dwight Bldg, Kansas City 6, Mo
*Tesco Chem, Box 173, Sta C, Atlanta, Ga
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
Wollen Chem & Supply Co, 126 6 Ave, Paterson, N J
Menki Zimmer, Box 5, Fresh Meadows Sta, Flushing, N Y

AMMONIA CRYSTALS see Ammonium Carbonate

AMMONIA SOAP see Ammonium Oleate

AMMONIA WATER see Ammonia (Aqua)

AMMONIAK see Ammonium Chloride

AMMONIATED MERCURY CHLORIDE see Mercury, Ammoniated

ANHYDROUS
AMMONIA

HENRY BOWER CHEMICAL
MANUFACTURING COMPANY
29th & GRAY'S FERRY ROAD, PHILADELPHIA 46, PA.

MONSANTO
ANHYDROUS AMMONIA

Uses: Refrigeration; water treatment in conjunction with chlorine; partial neutralization of phosphate fertilizer; vulcanization of rubber; nitriding of steel; neutralizing petroleum stocks before cracking.

MONSANTO CHEMICAL COMPANY
Merrimac Division
Boston 49, Mass.

MONSANTO
CHEMICALS—PLASTICS

SERVING INDUSTRY . . . WHICH SERVES MANKIND

*Company classifies itself as manufacturer or producer of this product

AMMONIO CUPRIC SULFATE see Copper Ammonium Sulfate

AMMONIOFERRIC CITRATE see Iron and Ammonium Citrate

AMMONIOFERRIC OXALATE see Iron and Ammonium Oxalate

AMMONIOFERRIC SULFATE see Iron and Ammonium Sulfate

AMMONIOFORMALDEHYDE see Hexamethylenetetramine

AMMONIUM ACETATE

$NH_4(C_2H_3O_2)$. M.W. 77.06. White, hygroscopic, crystalline mass, sl. aceti acid odor.S p. gr. 1.073. M.P. 103°C. Easily sol. in water; sol. alcohol. Uses—laboratory reagent; assist in dyeing; in medicine. Grades—U.S.P. solution; 35% solution; cryst.; C.P. cryst.

J M Baird Co, 147 Nassau St, N Y
•J T Baker Chem Co, Phillipsburg, N J
•Baker & Adamson Products, 40 Rector St, N Y
•Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
•Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Republic Chem Corp, 94 Beekman St, N Y 38

AMMONIUM ALGINATE

A hydrophyllic vegetable colloid (ammonium salt of alginic acid). Uses—in rubber mfr., can sealing compounds, etc.

T M Duche & Sons, 117-119 Hudson St, N Y 13
Innis, Speiden & Co, 117 Liberty St, N Y 6
•Kelco Co, 31 Nassau St, N Y 5

AMMONIUM ALKYL PHOSPHATES

NH_4RHPO_4. Concentrated aqueous solutions of the ammonium salts of the monomethyl, ethyl, propyl, butyl, and amyl o-phosphates. Insol. in alcohol. Find application as humectants and as fireproofing compounds with the distinctive property that treated materials retain luster and flexibility. The butyl, and particularly the amyl, derivatives possess good penetrating ability.

J M Baird Co, 147 Nassau St, N Y
•Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
•Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

AMMONIUM AQUA see Ammonia Aqua

AMMONIUM BENZOATE

$C_6H_5COONH_4$. White odorless powd. free from foreign solids. Sp. gr. 1.260. Sol. in water, alcohol, glycerine. Uses—preservative for rubber, adhesives; in mfr. of medicinals. Cont.—100 pound paper-lined bbls.

•Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
•Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
•NY Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Republic Chem Corp, 94 Beekman St, N Y 38

AMMONIUM BIBORATE see Ammonium Borate

AMMONIUM BICARBONATE (Acid Ammonium Carbonate, Ammonium Hydrogen Carbonate)

NH_4HCO_3. White, granular or powdered. Sp. gr. 1.573. Decomp. at 58°C. Sol. water; insol. alcohol. Analyses at 21.5% NH_3, 56% CO_2, 22.5% H_2O. Uses—mfr. ammonia salts, dyes, fire extinguishing compounds; as leavening and degreasing agents; in medicine. Grades—pure; tech.

S L Abbot Co, 135 King St, San Francisco 7, Cal
American-British Chem Supplies, 180 Madison Ave, N Y
Amplex Chem Co, 60 Wall St, N Y
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
•Henry Bower Chem Mfg Co, Gray's Ferry Rd & 29 St, Phila 46, Pa
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
Carnegie Chem Mfg Co, 6363 Wilshire Blvd, Los Angeles 48, Cal
Chem Mfg Co, 21 West St, N Y
Duff Chem Co, 342 Madison Ave, N Y 17
Faesy & Besthoff, 325 Spring St, N Y 13
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
•Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
Merchants Chem Co, 60 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7

AMMONIUM BIFLUORIDE (continued)

Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N C 17
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Simmons Products Co, 15 Moore St, N Y
•Solvay Sales Div, 40 Rector St, N Y 6
J U Starkweather Co, 241 Allens Ave, Providence, R I
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill
Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va

AMMONIUM BICHROMATE (Ammonium Dichromate)

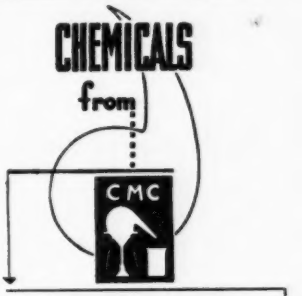
$(NH_4)_2Cr_2O_7$. M.W. 252.10. Orange-yellow, needle cryst. Sp. gr. 2-153. Decomp. on heating. Sol. water, alcohol. Uses—mfr. inks, alizarine, sporting smokeless powd., synth. perfumes; purifying fats and oils; pickling agent for candlewicks; reagent in gum printing; in process engraving, photo-engraving and lithography; as mordant in dyeing and printing. Caution—poisonous.

J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
•Hooper Chem Corp, Box 313, Rutherford, N J
•Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
•Mutual Chem Co of America, 270 Madison Ave, N Y 16
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Reilly Tar & Chem Corp, 1615 Merchant Bank Bldg, Indianapolis 4, Ind
Republic Chem Corp, 94 Beekman St, N Y 38
Senefelder Co, 32-34 Greene St, N Y 13
Spring Chem, 239 E 141 St, N Y 51
Jos Turner & Co, Ridgefield, N J

AMMONIUM BIFLUORIDE (Hydrogen Ammonium Fluoride)

$(NH_4)FHF$. White cryst. Sp. gr. 1.211. Sol. water. Uses—mfr. ceramics, etching glass; sterilizing agent; laboratory reagent; general disinfectant; electroplating reagent; mordant for aluminum. Grades—tech.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
J T Baker Chem Co, Phillipsburg, N J
•Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y



AMMONIUM BICARBONATE

Sodium Bicarbonate
Urea
Perchlorethylene
Trichlorethylene
Sal Ammoniac
Tropical Bleaching Powder (Stabilized)
Chloroform
Sodium Perborate
Ammonium Carbonate
Sodium Sulphide
Sodium Hydrosulphite

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*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
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Legrand Chem Corp, 103 50 St, Bklyn 32, N Y
Millmaster Chem Corp, 420 Lexington Ave, N Y 17
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AMMONIUM BINOXALATE (Acid, Ammonium, Ammonium Bioxate, Ammonium Acid Oxalate)

$NH_4HC_2O_4.H_2O$. M.W. 125.06. Colorless rhombic cryst. Sp. gr. 1.56. Sol. 25 water; sl. sol. alcohol. Uses—as an ink eraser and reagent.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*City Chem Corp, 132 W 22 St, N Y 11

AMMONIUM BIPHOSPHATE see Ammonium Phosphate (Mono)

AMMONIUM BITARTRATE (m-Ammonium Tartrate, Acid, Ammonium Tartrate)

$NH_4HC_4H_4O_6$. M.W. 167.1. Colorless cryst. Sol. hot water; insol. alcohol. Uses—for the detection of calcium, also in baking powd.

*J T Baker Chem Co, Phillipsburg, N J
*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y

AMMONIUM BORATE (Ammonium Biborate, Ammonium Acid Tetraborate)

$NH_4HB_4O_7.3H_2O$. White cryst. Sp. gr. 2.38 to 2.96. Sol. water. Uses—mfr. fabrics; fireproofing; laundry purposes; fireproofing wood; in medicine. Grades—tech.; C.P.

*J T Baker Chem Co, Phillipsburg, N J
*Lewis Co, 232 Canal St, N Y 13
Sterling Borax Co, P O Box 217, New Brighton, Pa

AMMONIUM BOROFLUORIDE see Ammonium Fluoborate

AMMONIUM BROMIDE

NH_4Br. White, sl. hygroscopic cryst. or powd. Sp. gr. 2.548 (15°C). Sublimes. Sol. water, alcohol, ether. Uses—precipitant of silver salts; in photography, engraving; laboratory reagent; in medicine. Grades—U.S.P.; C.P.; pure; tech.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
*Dow Chem Co, Midland, Mich
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Prior Chem Corp, 420 Lexington Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
George Uhe Co, 76 9 Ave, N Y 14

AMMONIUM CARBONATE (Ammonia Crystals, Hartshorn Salts)

$(NH_4H)HCO_3 + (NH_4)(NH_2)CO_2$. Mixture of acid ammonium carbonate and ammonium carbamate. Analyses at 31% NH_3, 57% CO_2, 12% H_2O. White lumps, powd., chips or cubes. M.P. 85°C. Sol. cold water SI. sol. alcohol. Uses—mfr. ammonia salts, organic chemicals, casein colors, baking powd., casein glues and adhesives, fire extinguishing compounds, smelling salts and other perfume products, ceramics; as tanning, cleansing and vulcanizing agents; laboratory reagent; mordant in dyeing and printing; in washing wool; to make hollow goods; in medicine. Grades—U.S.P.; C.P.; tech.; powd., lump, cubes.

*American Agricultural Chem Co, 50 Church St, N Y 7
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
Amplex Chem Co, 60 Wall St, N Y
Arnold, Hoffman & Co, 55 Canal St, Providence, R I
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*Henry Bower Chem Mfg Co, Gray's Ferry Rd & 29 St Phila 46, Pa
Braun Corp, 2260 E 15 St, Los Angeles 21, Cal
Chem Mfg Co, 21 West St, N Y
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Chas L Hulsking & Co, 45 Clinton St, Bklyn 5, N Y
Innis, Speiden & Co, 117 Liberty St, N Y 6
Kingston Chem Co, 15 William St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
Mutchler Chem Co, 258 Broadway, N Y 7
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Oil & Chem Products, 295 Madison Ave, N Y 17
Philipp Bros Chem, 37 Wall St, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Jos Turner & Co, Ridgefield, N J

AMMONIUM CHLORIDE (Sal Ammoniac, Ammonium Muriate, Salimac, Ammoniac)

NH_4Cl. White to grayish lumps, cryst. or powd. Sp. gr 1.520 (17°C). Volatilizes. Sol. water, glycerol. Uses—mfr. ammonia salts, synth. drugs, perfumes, inorganic and organic compounds, dyes, candles, washing powd.; as electrolyte in batteries and cells; fertilizer; soldering and galvanizing flux; rush cement; pickling agent in tinning; mordant in dyeing and printing; in tanning leather; nickeling and platinizing liquors; in medicine. Grades—tech. (gray, white); U.S.P.; C.P. granulated lump.

S L Abbot Co, 135 King St, San Francisco 7, Cal
*Adams-Henry Chem Co, 32 Broadway, N Y 4
Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American-British Chem Supplies, 180 Madison Ave, N Y
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
*Anderson Trading Corp, 66 Beaver St, N Y 44
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barada & Page, Guinotta & Mich Ave, Kansas City 1, Mo
Barclay Chem Co, 75 Varick St, N Y
*Geo Callahan & Co, Closter, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

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AMMONIUM CHLORIDE, continued

Carnegie Chem Mfg Co, 6363 Wilshire Blvd, Los Angeles 48, Cal
Joseph Caspe, 50 Columbia St, Newark 5, N J
Chem Mfg Co, 21 West St, N Y 6
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
Cole Labs, 42-25 9 St, L I C 1, N Y
Croton Chem Corp, 114 Liberty St, N Y 6
Duff Chem Co, 342 Madison Ave, N Y 17
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Faesy & Besthoff, 325 Spring St, N Y 13
Great Lakes Chem Co, 2525 S 50 Ave, Chicago 50, Ill
Hyde & Bates, 17 John St, N Y 38
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Jordan Co, 51 St & Merrimac Ave, Chicago 38, Ill
Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Leilarts Lane, E Paterson, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Chas Page & Co, 50 E 42 St, N Y 17
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
Philipp Bros Chem, 37 Wall St, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Scher Bros, 519 Getty Ave, Clifton, N J
*Schuylkill Chem Co, 2354 Sedgley Ave, Phila, Pa
Seaboard Industries, 195 Keen St, Paterson, N J
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Shepard Chem Corp, 117 Liberty St, N Y 6
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
*Solvay Sales Div, 40 Rector St, N Y 6
J U Starkweather Co, 241 Allens Ave, Providence, R I
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
United Sterling Corp, 37 E 28 St, N Y
Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Woodward & Dickerson, 1400 S Penn Sq, Phila, Pa

AMMONIUM CHROMATE

$(NH_4)_2CrO_4$. Yellow crystalline. Sp. gr. 1.866. M.P. 185°C. Sol. water; insol. alcohol. Uses—mordant in dyeing textiles; sensitizing photographic coatings. Grades—C.P.; tech.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J

AMMONIUM CITRATE

$(NH_4)_3C_6H_5O_7$. White powd. or granules. Sp. gr. 1.479 (22°C). Sol. water; sl. sol. alcohol. Uses—mfr. rust-proofing compositions, mordant in printing cottons; laboratory reagent. Keep from air.

*Antara Products Div, 435 Hudson St, N Y 14
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y

AMMONIUM DICHROMATE see Ammonium Bichromate

AMMONIUM ETHYL PHOSPHATE

75% solution in water. Water-white to yellow tinge. Ammoniacal odor. Sp. gr. 1.23 at 25°C. pH 75% solution to heat. When subjected to elevated temp. for any length of time as solution or while on any article will liberate ammonia with reduction in pH. Suggested Uses—as flame proofing agent for paper, textiles, etc.

*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

AMMONIUM FERROCYANIDE

$(NH_4)_4Fe(CN)_6.3H_2O$. M.W. 338.20. Greenish-yellowish cryst. Sol. water. Uses—as a reagent.

*Henry Bower Chem Mfg Co, Gray's Ferry Rd & 29 St, Phila 46, Pa
*City Chem Corp, 132 W 22 St, N Y 11
Republic Chem Corp, 94 Beekman St, N Y 38

AMMONIUM FLUOBORATE (Ammonium Borofluoride)

NH_4BF_4. M.W. 104.86. Hexagonal prisms. Sp. gr. 1.851 at 17°C. Sol. water, alcohol. Packages as required.

*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Pelron Corp, 7740 W 47 St, Lyons, Ill

AMMONIUM FLUORIDE (Meat Salt)

NH_4F. White, deliq. crystalline. Sublimes. Sol. water; sl. sol. alcohol. Uses—mfr. fluorides, etching glass; as laboratory reagent, disinfectant and antiseptic in brewing; mordant in dyeing and printing, improving sandy soils. Caution—should be packed in rubber containers. Grades—tech.; C.P.; U.S.P. cryst.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American Firstoline Corp, 420 Lexington Ave, N Y
J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Henry Sundheimer Co, 103 Park Ave, N Y 17

AMMONIUM FLUORIDE see Ammonium Bifluoride

AMMONIUM FORMATE

NH_4CHO_2. Colorless, deliq. cryst. Sp. gr. 1.266. Decomp. on heating. Sol. water, alcohol. Uses—mfr. ammonium oxalate, formamide; condensing agent in making rayon; in medicine. Grades—commercial.

*Baker & Adamson Products, 40 Rector St, N Y
*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y

AMMONIUM GLUCONATE

$NH_4C_6H_{11}O_7$. White powd. Uses—in foods as emulsifying agent for cheese and salad dressing.

J M Baird Co, 147 Nassau St, N Y
*Chemo Puro Mfg Corp, 26-32 Skillman Ave, L I C 1, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y

AMMONIUM HYDRATE see Ammonia Aqua

AMMONIUM HYDROGEN CARBONATE see Ammonium Bicarbonate

AMMONIUM HYDROGEN SULFIDE see Ammonium Sulfide

AMMONIUM HYDROSULFIDE see Ammonium Sulfide

AMMONIUM HYDROXIDE see Ammonia Aqua

AMMONIUM HYPOPHOSPHITE

$NH_4H_2O_2$. Crystals or white powd. Uses—medicinal.

Conray Products, 510 6 Ave, N Y 11
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

AMMONIUM ICHTHYOLSULFONATE see Ichthyol

AMMONIUM ICHTHYNATE

Brownish-black syrupy liq. Burning taste. Uses—medicinal.

J M Baird Co, 147 Nassau St, N Y
Conray Products, 510 6 Ave, N Y 11
*Fallek Products Co, 163 Broadway, N Y 6
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

AMMONIUM IODIDE

NH_4I. M.W. 144.96. White cryst., hygroscopic or unstable powd. Sp. gr. 2.563. Sublimes on heating. Sol. water, alcohol. Uses—mfr. iodides; sensitive agent in making photographic films and plates; in medicine. Caution—store away from light. Grades—U.S.P.; C.P.; tech.

*J T Baker Chem Co, Phillipsburg, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y

AMMONIUM LACTATE

$NH_4C_3H^6O_3$. Clear, colorless or sl. yellowish, syrupy liq. very hygroscopic. Sp. gr. 1.19—1.21 at 15° C. Miscible alcohol, water. Caution—Keep cool, decomp. with heat. Uses—tanning and finishing leathers; electroplating baths. Grades—tech.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*American Quinine Co, 15 William St, N Y
*City Chem Corp, 132 W 22 St, N Y 11
*Kingston Chem Co, 15 William St, N Y 5

AMMONIUM LINOLEATE

$NH_4C_{17}H_{31}CO_2$. Cream paste with ammoniacal odor. Uses—as detergent; emulsifying agent; reduces surface tension. Grades—tech.

Beier Co, 150 Nassau St, N Y 38
*Shepherd Chem Co, 2803 Highland Ave, Cincinnati 12, Ohio
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill

AMMONIUM MOLYBDATE (Basic Molybdate)

$(NH_4)_6Mo_7O_{24}+4H_2O$. Colorless or sl. greenish or yellowish cryst. Sp. gr. 2.38—2.95. M.P. decomp. on heating. Sol. water. Uses—mfr. pigments; laboratory reagent. Grades—C.P.; tech. solution.

*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*North Metal & Chem Co, 638 E Mason Ave, York, Pa
Prior Chem Corp, 420 Lexington Ave, N Y 17
*S W Shattuck Chem Co, 1805 S Bannock St, Denver, Col

AMMONIUM MURIATE see Ammonium Chloride

AMMONIUM NITRATE

NH_4NO_3. M.W. 80.05. Colorless or white crystalline or granular powd. Sp. gr. 1.725. M.P. 169.6°C. Decomp. at 210°C into water and nitrous oxide. Only sol. in water, alcohol, alkalies. Uses—mfr. laughing gas, military explosives, pyrotechic compositions, insecticides, freezing mixtures, fertilizer; absorbent for nitrogen oxide. Grades—C.P.; tech.; cryst.; granulated.

American Firstoline Corp, 420 Lexington Ave, N Y
Associated Cooperatives, 312 Montgomery Ave, Sheffield, Ala
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
*Barrett Div, 40 Rector St, N Y 6
Bradley & Baker, 155 E 44 St, N Y 17
Colorado Fuel & Iron Corp, Continental Oil Bldg, Denver, Col
Croton Chem Corp, 114 Liberty St, N Y 6
Davies Nitrate Co, 114 Liberty St, N Y C
*E I Du Pont de Nemours & Co, Explosives Dept, Chem & Misc Sales Section & Grasselli Chem Dept, Wilmington 98, Del
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Howe & French, Mfg Dept, E Weymouth, Mass
Hummel Chem Co, 90 West St, N Y 6
Philip A Hunt Co, Palisades Park, N J
Kipfer Chem Co, P O Box 770, Harlingen, Tex
A P Larsen Co, 29 Broadway, N Y 6
*National Powder Co, Eldred, Pa
Chas Page & Co, 50 E 42 St, N Y 17
*Phillips Chem Co, Bartlesville, Okla
*Spencer Chem Co, 610 Dwight Bldg, Kansas City 6, Mo
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Trojan Powder Co, 17 N 7 St, Allentown, Pa
Wah-Chang Corp, 233 Broadway, N Y 7
Woodward & Dickerson, 1400 S Penn Sq, Phila, Pa

AMMONIUM OLEATE (Ammonia Soap)

$NH_4C_{18}H_{33}O_2$. Yellow to brownish-colored paste. Sol. alcohol, ether. Gives off strong ammonia odor. Uses—as a detergent; solidifying alcohol.

J M Baird Co, 147 Nassau St, N Y
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill

AMMONIUM OXALATE

$(NH_4)_2C_2O_4+H_2O$. Colorless crystalline. Sp. gr. 1.502. Decomp. on heating. Sol. water, Uses —mfr. oxalates, safety explosives; laboratory reagent. Grades—tech.; pure; C.P.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y

AMMONIUM PERCHLORATE

$(NH_4)ClO_4$. White, solid crystalline. Sp. gr. 1.95. Decomp. on heating. Sol. water. Uses—mfr. explosive compositions, pyrotechnics; etching and engraving agent; laboratory reagent. Grades—tech.; C.P.

American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Hummel Chem Co, 90 West St, N Y 6
International Selling Corp, 70 Pine St, N Y 5
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

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AMMONIUM PERSULFATE

$(NH_4)_2S_2O_8$. White, crystalline, granules or powd. Sp. gr. 1.982. Decomp. on heating. Sol. water. Uses—mfr. persulfates, aniline dyes; preserving food; fat and oil deodorant; oxidizing metals; electroplating metals; general bleaching and oxidizing agent; photographic reagent; bleaching soap oils; depolarizer in electric batteries; washing infected yeast; in medicine. Grades—tech.; pure; C.P.

Adams-Henry Chem Co, 32 Broadway, N Y 4
American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
Becco Sales Corp, Station B, Buffalo 7, N Y
Philip A Hunt Co, Palisades Park, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
Riches-Nelson, 342 Madison Ave, N Y 17
E M Sergeant Pulp & Chem Co, 7 Dey St, N Y 7
Jos Turner & Co, Ridgefield, N J

AMMONIUM PHOSPHATE (Di) (Sec-Ammonium Phosphate, Hydrogen Diammonium Phosphate, Diammonium o-Phosphate)

$(NH_4)_2HPO_4$. White cryst. or powd. Sp. gr. 1.619. Sol. water; insol. alcohol. Uses—fertilizer; fireproofing textiles and wood; in medicine. Grades—C.P. pure; tech., powd., or grain.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Bradley & Baker, 155 E 44 St, N Y 17
Carnegie Chem Mfg Co, 6363 Wilshire Blvd, Los Angeles 48, Cal
Chem for Agriculture, 848 Washington Bldg, Wash 5, D C
Delft Co, 20 E Jackson Blvd, Chicago 4, Ill
Duff Chem Co, 342 Madison Ave, N Y 17
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
L Kruger & Co, 75 West St, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17

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Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Seaboard Industries, 195 Keen St, Paterson, N J
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

AMMONIUM PHOSPHATE (Hemibasic)

$NH_4H^2(PO^4)_2$. White cryst.; sl. hygroscopic. Very sol. water. Decomp. in alcohol. Uses—pH adjustment; metal cleaning.

Duff Chem Co, 342 Madison Ave, N Y 17
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17

AMMONIUM PHOSPHATE (Mono) (Primary Ammonium Phosphate, Ammonium Biphosphate)

$NH_4H_2PO_4$. White powd. or colorless cryst. Sp. gr. 1.803. Sol. cold water. Uses—fertilizer; fireproofing textiles and wood; in medicine. Grades—C.P.; pure; tech.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Bradley & Baker, 155 E 44 St, N Y 17
Carnegie Chem Mfg Co, 6363 Wilshire Blvd, Los Angeles 48, Cal
Duff Chem Co, 342 Madison Ave, N Y 17
E I Du Pont de Nemours & Co, Grasselli Chem Dept Wilmington, Del
Philip A Hunt Co, Palisades Park, N J
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

AMMONIUM PHOSPHATE PRIMARY see Ammonium Phosphate, Mono

Sec-AMMONIUM PHOSPHATE see Ammonium Phosphate (Di)

AMMONIUM PHOSPHATE (Tri) (Neutral Ammonium Phosphate, Triammonium Phosphate)

$(NH_4)_3PO_43H_2O$. Colorless cryst. or white powd. Loses water on heating. Decomp. in air to $(NH^4)_2HPO_4$. Sol. water. Uses—fertilizer; fireproofing textiles and wood; in medicine. Grades—C.P.; pure; tech.

Barclay Chem Co, 75 Varick St, N Y
Carnegie Chem Mfg Co, 6363 Wilshire Blvd, Los Angeles 48, Cal
Duff Chem Co, 342 Madison Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

AMMONIUM RICINOLEATE

$C_{17}H_{32}COONH_3$. White paste. Uses—a detergent; as an emulsifying agent. Grades—tech.

J M Baird Co, 147 Nassau St, N Y
*Baker Castor Oil Co, 120 Broadway, N Y 5

AMMONIUM SALICYLATE

$C_6H_5(OH)COONH_4$. M.W. 155.14. White, crystalline salt of monoclinic system. Sol. in water and alcohol. Uses—in medicine, as antipyretic and bactericide. Grades—U.S.P. XI.

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

AMMONIUM SILICOFLUORIDE

$(NH_4)_2SiFl_6$. M.W. 178.07. Sp. gr. 2.01. Colorless cryst. or white powd. Sol. water. Uses—disinfectant, antiseptic.

*American Agricultural Chem Co, 50 Church St, N Y 7
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
E I Du Pont de Nemours & Co, Grasselli Chem Dept. Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
Harwick Standard Chem Co, 60 S Seiberling St, Akron, 5, Ohio
Hummel Chem Co, 90 West St, N Y 6
L Kruger & Co, 75 West St, N Y
Legrand Chem Corp, 103 50 St, Bklyn 32, N Y

*Company classifies itself as manufacturer or producer of this product

Merchants Chem Co, 60 E 42 St, N Y 17
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
J U Starkweather Co, 241 Allens Ave, Providence, R I
Henry Sundheimer Co, 103 Park Ave, N Y 17
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
Welch, Holme & Clark Co, 439 West St, N Y 14

AMMONIUM STEARATE

$C_{17}H_{35}.COONH_4$. M.W. 301. White paste with milky color; ammonia odor. Uses—integral waterproofing agent for cements, concrete, stucco, etc. For the mfr. of water-repellant coatings for paper, textiles, rubber, etc.

Berlow & Schlosser Co, 401 Industrial Trust Blvd, Providence, R I
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*A C Horn Co, 10 St & 44 Ave, L I C 1, N Y
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*Leffingwell Chem Co, P O Box 191, Whittier, Cal
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Warwick Chem Co Div, Wood River Junction, R I
*Witco Chem Co, 295 Madison Ave, N Y 17

AMMONIUM SULFAMATE

$NH_4O\text{-}SO_2\text{-}NH_2$. M.W. 114.04. White, crystalline solid. M.P. 131°C. Sol. in water. Uses—flameproofing of textiles and paper stock.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Duso Chem Co, Fulton St, Poughkeepsie, N Y
*Fine Organics, 211 E 19 St, N Y 3

AMMONIUM SULFATE

$(NH_4)_2SO_4$. M.W. 115.11. Brownish-gray to white cryst. Sp. gr. 1.7687. M.P. 513°C., d. Decomp. before it melts to certain extent. Complete decomposition at 300°C. Sol. water. Uses—mfr. candles, ammonia, electric batteries; fireproofing textiles, wood, etc.; fertilizer; soldering and galvanizing agent. Grades—C.P.; commercial.

*Alabama By-Products Corp, P O Box 354, Birmingham, Ala
Allied Raw Materials, 38 Park Row, N Y 7
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
Ashcraft-Wilkinson Co, 601 Trust Co of Ga Bldg, Atlanta 3, Ga
J M Baird Co, 147 Nassau St, N Y
*H J Baker & Bros, 271 Madison Ave, N Y 16
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
J H Bauminger, 421 7 Ave, N Y
Benzol Distributors, Georges Rd & Penn RR, Dayton, N J
*Bethlehem Steel Co, 701 E 3 St, Bethlehem, Pa
Bradley & Baker, 155 E 44 St, N Y 17
Carnegie Chem Mfg Co, 6363 Wilshire Blvd, Los Angeles 48, Cal
Chematar Inc, Exchange Pl, N Y 5
Chem for Agriculture, 848 Washington Bldg, Wash 5, D C
Chem Mfg Co, 21 West St, N Y
Chem Supply Co, 302 Railroad St, Neenah, Wis
*Colorado Fuel & Iron Corp, Continental Oil Bldg, Denver, Col
*Consolidated Chem Industries, 640 Mellie Esperon Bldg, Houston 2, Tex
Croton Chem Corp, 114 Liberty St, N Y 6
Davies Nitrate Co, 114 Liberty St, N Y C
*Donner-Hanna Coke Corp, Box A, S Park Sta, Buffalo 20, N Y
Duff Chem Co, 342 Madison Ave, N Y 17
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Wm S Gray & Co, 342 Madison Ave, N Y 17
M W Hardy & Co, 141 Broadway, N Y 6
Howe & French, Mfg Dept, E Weymouth, Mass
Interlake Iron Corp, 1900 Union Commerce Bldg, Cleveland 14, Ohio
J & L Steel Barrel Co, 311 Rose St, Pittsburgh 30, Pa
Jones & Laughlin Steel Co, 3 Ave & Roff St, Pittsburgh 3, Pa
Samuel D Keim, Liberty Trust Bldg, Phila 7, Pa
Kingston Chem Co, 15 William St, N Y 5
Kipfer Chem Co, P O Box 770, Harlingen, Tex
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
A P Larsen Co, 29 Broadway, N Y 6
*Lion Oil Co, El Dorado, Ark
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

DAVISON
Silicofluorides

AMMONIUM SILICOFLUORIDE $(NH_4)_2 SiF_6$

Technical grade, white, water soluble, fine crystal, minimum 98% $(NH_4)_2 SiF_6$; inert ingredients not over 2%.
Uses: Laundry sour; disinfectant; magnesium sand casting; glass etching; chemical reagent.

MAGNESIUM SILICOFLUORIDE ($MgSiF_6 \cdot 6H_2O$)

Technical grade, white granular crystal; minimum 98% $MgSiF_6 \cdot 6H_2O$; inert ingredients not over 2%.
Uses: principally as concrete hardener, waterproofer and primer preparatory to painting; in ceramic industry.

ZINC SILICOFLUORIDE ($ZnSiF_6 \cdot 6H_2O$)

Technical grade, white granular crystal; minimum 97% $ZnSiF_6 \cdot 6H_2O$; inert ingredients not over 3%.
Uses: Concrete hardener when used in combination with magnesium silicofluoride; laundry sour; wood preservation and mothproofing agent.

CASTING COMPOUND

Casting Compound 23-A is used in the magnesium casting industry. Prevents easily oxidizable metals such as magnesium and magnesium alloys from oxidizing or burning in green sand molds. Used as a flux in melting and pouring magnesium alloys.

POTASSIUM SILICOFLUORIDE

Technical grade; white, odorless fine crystalline powder minimum 97% K_2SiF_6; inert ingredients not over 3%.
Uses: metallurgy of aluminum, in manufacture of porcelain enamel, opalescent glass, artificial marble, as an insecticide, as a chemical intermediate.

★

Shipment in 100 and 400 lb. containers by rail, truck, or water.

Many other uses than those listed are possible. Requests for small quantities for experimental purposes will be given prompt attention. Ask our Technical Service Department for assistance.

THE DAVISON CHEMICAL CORPORATION
BALTIMORE-3 • MARYLAND

*Company classifies itself as manufacturer or producer of this product



AMMONIUM SULPHATE

MURIATE OF POTASH
SODIUM NITRATE
UREA

The J. M. Baird Company

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AMMONIUM SULPHATE

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94 Beekman Street, New York 38
Cable Address: Jaynivrad

U·S·S Ammonium Sulphate

for high-analysis mixed fertilizers
and direct application
Bulk or 100-pound bags

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525 WILLIAM PENN PLACE, PITTSBURGH 30, PA.

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UNITED STATES STEEL

Baker
AMMONIUM SULFATE

PURIFIED GRANULAR

Assay $(NH_4)_2SO_4$—99.5%

Baker

J. T. BAKER CHEMICAL CO.
PHILLIPSBURG, N. J.

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AMMONIUM SULFATE, continued

*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
Nitrogen Products, 450 7 Ave, N Y 1
Chas Page & Co, 50 E 42 St, N Y 17
Philipp Bros Chem, 37 Wall St, N Y
*Phillips Chem Co, Bartlesville, Okla
Phillips & Jacobs, 620-22 Race St, Phila, Pa
*Pittsburgh Coke & Chem Co, 1905 Grant Bldg, Pittsburgh 30, Pa
Riches-Nelson, 342 Madison Ave, N Y 17
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Schuylkill Chem Co, 2354 Sedgley Ave, Phila, Pa
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
*Shell Chem Corp, 50 W 50 St, N Y 20
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Sloss-Sheffield Steel & Iron Co, 3131 1 Ave, N Birmingham 2, Ala
*Summers Fertilizer Co, 194 Exchange St, Bangor, Me
Thompson-Hayward Chem Co, 2915 Southwest Blvd Kansas City 8, Mo
*U S Steel Corp, Coal Chem Sales Div, 525 Wm Penn Pl, Pittsburgh 30, Pa
United Sterling Corp, 37 E 28 St, N Y
Wah-Chang Corp, 233 Broadway, N Y 7
*Wheeling Steel Corp, Wheeling, W Va
Woodward & Dickerson, 1400 S Penn Sq, Phila, Pa

AMMONIUM SULFIDE (Ammonium Hydrogen Sulfide, Ammonium Hydrosulfide)

$(NH_4)HS$. True ammonium sulfide is stable only below 0°C. and has the formula $(NH_4)_2S$. Article of commerce, usually yellowish cryst. Sol. water, alcohol, alkalies. Uses—mfr. photographic developers; finishing fabrics, laboratory reagent; for coloring brass, bronze, copper; denitrating nitrocellulose to produce "oxidized silverware." Must not be exposed. Grades—tech.; C.P.

*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Barium Reduction Corp, Drawer 1, S Charleston 3, W Va
*Chem Products Corp, Cartersville, Ga
Faesy & Besthoff, 325 Spring St, N Y 13
*Halby Chem Co, P O Box 366, Wilmington 99, Del
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Prior Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38

SULPHATE OF AMMONIA
AMMONIA LIQUOR
(ALL GRADES)

BENZOL
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Ind. 90%
Thio-Free

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Ind. Pure

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Nitrogen Products, Inc.
450 Seventh Avenue
New York 1, New York
Phone No. BRyant 9-1045

*Company classifies itself as manufacturer or producer of this product

AMMONIUM SULFIDE, continued

Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Standard Ultramarine Co, 5 Ave & 24 St, Huntington, W Va

AMMONIUM SULFOCARBOLATE see Ammonium Phenolsulfonate

AMMONIUM SULFITE

$(NH_4)_2SO_3 + H_2O$. Colorless, deliq. cryst. Sp. gr. 1.41 (25°C.). Sol. water when alkaline. Sublimes at high temp. Uses—mfr. intermediates; as reducing agent; in medicine. Should be kept well-stoppered.

*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

AMMONIUM SULFOCYANIDE see Ammonium Thiocyanate

AMMONIUM SULFOCYANIDE RHODANIDE see Ammonium Thiocyanate

AMMONIUM SULFORICINOLEATE

Clear amber liq. Uses—blended with paraffin oil to produce emulsion type furniture polish.

Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

AMMONIUM TARTRATE

$COONH_4.CHOH.CHON.COONH_4$. M.P. 184.13. Colorless cryst. Sol. water.

*J T Baker Chem Co, Phillipsburg, N J

AMMONIUM THIOCYANATE (Ammonium Sulfocyanide Rhodanide)

NH_4SCN. Colorless, solid, deliq. crystalline. Sp. gr. 1.3057. M.P. 159°C. Decomp. at 170°C. Sol. water, alcohol. Uses—mfr. freezing solutions, cyanides and ferro-cyanides, thiourea, fertilizer; for coating zinc; as laboratory and photographic reagent; dyeing and printing textiles; increasing strength of weighted silks. Grades—C.P.; tech.; recrystallized.

Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Enco Chem Corp, 441 Lexington Ave, N Y 17
Fallek Products Co, 163 Broadway, N Y 6
*Halby Chem Co, P O Box 366, Wilmington 99, Del
Hummel Chem Co, 90 West St, N Y 6
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
Philipp Bros Chem, 37 Wall St, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Seaboard Industries, 195 Keen St, Paterson, N J

AMMONIUM THIOGLYCOLATE

$HSCH_2COONH_4$. M.W. 109.15. White crystalline powd.; sl. ammoniacal odor. Sol. in Water. Uses—cold permanent waving solutions.

American Roland Corp, 16 Hudson St, N Y
*Edwal Labs, Ringwood, Ill
Evans Chemetics, 250 E 43 St, N Y 17
*Fairmont Chem Co, 600 Ferry St, Newark 5, N J
*Halby Chem Co, P O Box 366, Wilmington 99, Del
*Neatsfoot Oil Refineries Corp, E Ontario & Bath Sts, Phila 34, Pa
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Stanton Labs, Bath Rd, Bristol, Pa
*Summitt Chem Products Corp, 11 William St, Belleville 9, N J

AMMONIUM THIOSULFATE

$(NH_4)_2S_2O_3$. M.W. 148.21. Colorless cryst. Very sol. water; insol. alcohol, ether. Uses—photographic fixing agents, cleaning metals.

*Baker & Adamson Products, 40 Rector St, N Y
*Edwal Labs, Ringwood, Ill
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Philip A Hunt Co, Palisades Park, N J

AMMONIUM VALERATE

$NH_4C_5H_9O$. Colorless or white cryst. Nauseating odor. Uses—medicinal.

*Bios Labs, 17 W 60 St, N Y 23
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Irving M Sobin Co, 74 Granite St, Boston 10, Mass

Now . . . KOPPERS AMMONIUM THIOCYANATE

is available in a new moisture-proof package

● Kegs and barrels are now lined with polyethylene plastic. This tough lining prevents water absorption . . . keeps ammonium thiocyanate dry.

KOPPERS COMPANY, INC.
Tar Products Division
PITTSBURGH 19, PA.

AMMONIUM VANADATE

NH_4VO_3. White to yellowish crystalline powd. Sp. gr. 2.326. Decomp. at 210°C. Sol. water. Uses—mfr. vanadates, writing and printing inks, paint and varnish driers; mordant in dyeing and printing; to produce vanadium lustre on pottery.

*Electro Metallurgical Co, 30 E 42 St, N Y 17
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17

AMMONIUM m-VANADATE

Chem Commerce, 411 South St, Newark 5, N J
City Chem Corp, 132 W 22 St, N Y 11
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*S W Shattuck Chem Co, 1805 S Bannock St, Denver, Col

AMPHETAMINE

$C_9H_{13}N$. M.W. 135.23. Colorless liq., sharp ammoniacal odor. B.P. 200°C. Sl. sol. water; sol. alcohol, ether. Uses—in medicine as vaso-constrictor.

*Arenol Chem Corp, 40-33 23 St, L I C 1, N Y
*F L Bodman, 328 Chestnut St, Phila 6, Pa
*Edward S Burke, 65 Pine St, N Y
Conray Products, 510 6 Ave, N Y 11
*Fallek Products Co, 163 Broadway, N Y 6
*Gane & Ingram, 43 W 16 St, N Y 11
Lack Chem Co, 19 Park Pl, N Y 7
*Lamex Chem Corp, 25 Broadway, N Y 4
*Sumner Chem Co, 6 E 45 St, N Y 17
*Tru-Synthetics, 44-30 Purvis St, L I C 1, N Y

AMPHIBOLE see Asbestos

AMYL ACETATE (Banana Oil, Amylacetic Ester, Isoamyl Acetate, Pear Oil, Pentyl Acetate)

$CH_3CO_2C_5H_{11}$. M.W. 130.11. Colorless liq. banana or pear odor. Sp. gr. 0.866-0.869 (15°C). M.P. 75°C. B.P. 147.6°C. Sol. alcohol, ether. Very sl. sol. water. Uses—mfr. gun-cotton, smokeless powd., fruit flavors, soft drinks, food preps., confectionery, artificial leather, artificial pearls, fireproofing and waterproofing compositions, lacquers, waterproofing varnishes, bronzing liq., celluloid, collodium, photographic films, camphor; as solvent in making nitrocellulose; solvent in making rayons; perfume and soap solvents; combustible in standard photo-metric lamp; photo-engraving; linoleum and oil-cloth; dyeing, printing and finishing textiles. Grades—pure, from pentane; tech.

American-British Chem Supplies, 180 Madison Ave, N Y
*American Chem Service, P O Box 702, Hammond, Ind
American Firstoline Corp, 420 Lexington Ave, N Y
American Mineral Spirits Co, 155 E 44 St, N Y 17

Quality Fine Chemicals

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Benzotriazole
Restrainer in photography; organic intermediate

The Edwal Laboratories, Inc., manufacture commercial quantities of high purity organic chemicals for use as intermediates, process raw materials and formula ingredients for the chemical, pharmaceutical, and photographic reproduction industries.

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AMYL ACETATE

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LAfayette 3-5600

1600 Clark Ave.
St. Louis, 3, Mo.
Garfield 3900

223 East Detroit St.
Milwaukee, 2, Wisc.
Broadway 2-6590

AMYL ACETATE, continued

American Quinine Co, 15 William St, N Y
W W Angus, 220 Broadway, N Y
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Bell Chem Co, 25 W 44 St, N Y 18
F M Browning Co, 150 Broadway, N Y 38
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
C B Coburn Co, 63 Market St, Lowell, Mass
Cole Labs, 42-25 9 St, L I C 1, N Y
•Commercial Solvents Corp, 17 E 42 St, N Y 17
•DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
•Dodge & Olcott, 180 Varick St, N Y 14
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
P R Dreyer, 113 W 19 St, N Y
Elbert & Co, 2 Broadway, N Y
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Howe & French, Mfg Dept, E Weymouth, Mass
Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Lellarts Lane, E Paterson, N J
Geo Lueders & Co, 427 Washington St, N Y 13
•Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
Martin, Hoyt & Milne, 615-625 Merchants Exchange Bldg, San Francisco 4, Cal
•Matheson Co, Paragon Div, E Rutherford, N J
McKesson & Robbins, 155 E 44 St, N Y 17
Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 7, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
•Northwestern Chem Co, 120 N Aurora St, W Chicago, Ill
Philipp Bros Chem, 37 Wall St, N Y
Polak & Schwartz, 667 Washington St, N Y 14
•Publicker Industries, 1429 Walnut St, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
•Sharples Chem, 123 S Broad St, Phila 9, Pa
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
J U Starkweather Co, 241 Allens Ave, Providence, R I
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
George Uhe Co, 76 9 Ave, N Y 14
United Sterling Corp, 37 E 28 St, N Y
•Verona Chem Co, 26 Verona Ave, Newark, N J

sec.-AMYL ACETATE

$CH_3COOC_5H_{11}$. Water-white liq. Sp. gr. 20°/20°C. 0.862-0.866. Wt. per gal. at 20°C 7.19 lb. Fire hazard—combustible but not inflammable; flash point over 80°F. Uses—as a medium boiling solvent; as a nitrocellulose solvent; in mfr. of airplane dopes, artificial leather; artificial pearl, automobile polishes, celluloid products, cements, coated paper, lacquers, leather finishes, linoleum, nail enamels, patent leather, plastic wood, textile compounds, washable wall paper.

American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Bell Chem Co, 25 W 44 St, N Y 18
L J & M La Place, Lellarts Lane, E Paterson, N J
Republic Chem Corp, 94 Beekman St, N Y 38
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

AMYLACETIC ESTER see Amyl Acetate

AMYLAMINE

$C_5H_{11}NH_2$. Uses—pharmaceuticals, dyestuffs, rubber accelerators, antioxidants, emulsifying agents, desizing agents for textiles, corrosion inhibitor.

•Sharples Chem, 123 S Broad St, Phila 9, Pa

AMYL BENZOATE

$C_6H_5COOC_5H_{11}$. Colorless liq. Uses—perfumery.

Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
•Givaudan-Delawanna, 330 W 42 St, N Y 18
•Verona Chem Co, 26 Verona Ave, Newark, N J

AMYL BROMIDE (Iso)

$(CH_3)_2(CH_2)_2Br$. Colorless liq. Sp. gr. 1.219. B.P. 120-120.6°C. Insol. water; sol. alcohol, ether. Uses—organic synthesis, pharmaceuticals. Grades—pure; tech.

•Dow Chem Co, Midland, Mich
•Mich Chem Corp, 500 N Bankson St, St Louis, Mich

sec.-AMYL BROMIDE (2-Bromopentan)

$C_5H_{11}Br$. M.W. 151.05. Sweet colorless liq. Sol. in acetone, benzene, carbon tetrachloride, methanol, ether; insol. in water. Uses—pharmaceutical intermediate.

•Dow Chem Co, Midland, Mich
•Mich Chem Corp, 500 N Bankson St, St Louis, Mich

n-AMYL BROMIDE (n-Bromopentane)

$CH_3(CH_2)_4Br$. Colorless liq. B.P. 127.9°C. Sp. gr. 1.223. Insol. water; sol. alcohol, ether. Uses—organic synthesis, pharmaceuticals. Grades—pure; tech.

•Dow Chem Co, Midland, Mich
•Halogen Chem, 1505 Charlton Dr, Columbia, S C
Philip A Lo Bue Co, 230 Park Ave, N Y 17
•Mich Chem Corp, 500 N Bankson St, St Louis, Mich

AMYL BUTYRATE (Isoamyl Butyrate, Isoamylbutyric Ester)

$CH_3(CH_2)_2COOC_5H_{11}$. Colorless liq. Sp. gr. 0.850-0.860 (15°C). M.P. 168.8°C. If pure. Sol. alcohol, ether; sol. water. Uses—mfr. intermediates, organic chemicals, flavoring extracts, liqueurs. Grades—pure tech.

Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Geo Lueders & Co, 427 Washington St, N Y 13
•Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
•Northwestern Chem Co, 120 N Aurora St, W Chicago, Ill
Polak & Schwartz, 667 Washington St, N Y 14
•Verona Chem Co, 26 Verona Ave, Newark, N J

AMYL CAPROATE

Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
•Northwestern Chem Co, 120 N Aurora St, W Chicago, Ill
Polak & Schwartz, 667 Washington St, N Y 14
•Verona Chem Co, 26 Verona Ave, Newark, N J

AMYL CHLORIDE (Iso)

$CH_3.CH_2.CH_2.CH_2.CH_2Cl$. Colorless or straw color liq. Sp. gr. (20°C). 0.885. Sol alcohol, ether. Wt. per gal. 7.38 lbs. Uses—solvent in nitrocellulose, varnishes, lacquers, chemicals, plastics; miscellaneous solvent; in waterproofing textiles.

J M Baird Co, 147 Nassau St, N Y

n-AMYL CHLORIDE (1-Chloropentane)

$C_5H_{11}Cl$. M.W. 106.6 Sweet, colorless liq. Insol. water. Uses—sources of n-Amyl group, pharmaceutical intermediate.

J M Baird Co, 147 Nassau St, N Y
•Sapon Labs, 543 Union St, Bklyn, N Y

tert.-AMYL CHLORIDE

$C_5H_{11}Cl$. M.W. 106.6. Sweet odorless liq. B.P. 85°C. Insol. water. Uses—organic syntheses.

J M Baird Co, 147 Nassau St, N Y

AMYL CHLORIDES (Mixed)

$C_5H_{11}Cl$. M.W. 106.58. Straw to deep purple color. Sp. gr. 0.88. Uses—synthesis of other "amyl" compounds; solvent.

•Sharples Chem, 123 S Broad St, Phila 9, Pa

n-AMYL CINNAMIC ALDEHYDE

Clear yellow, oily liq. Jasmin-like odor. Aldehyde content 99-100%. Sp. gr. 0.968-0.973 (15°C); B.R. 116°-120°C (1.5 mm). Uses—perfumery.

•American-British Chem Supplies, 180 Madison Ave, N Y
•Dodge & Olcott, 180 Varick St, N Y 14
•P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
•Givaudan-Delawanna, 330 W 42 St, N Y 18
•Kay-Fries Chem, 180 Madison Ave, N Y 16
Geo Lueders & Co, 427 Washington St, N Y 13
•Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
Polak & Schwartz, 667 Washington St, N Y 14
•Van Ameringen Haebler, 521 W 57 St, N Y 19
•Verona Chem Co, 26 Verona Ave, Newark, N J

AMYL2,4-DICHLOROPHENOXYACETATE

Colorless liq. containing equivalent of approx. 76% of 2,4-D acid. Insol. water; sol. alcohol, kerosene, diesel oil, aromatic petroleum fractions. Uses—for formulation in weed killers.

•Thompson Horticultural Chem Corp, 2600 Conon St, Los Angeles 27, Cal

AMYL FORMATE (Isoamyl Formate, -n Formic Ester)

$H.COO.C_5H_{11}$. M.W. 116.13. Made by treating isoamyl alcohol with formic acid. Has plum smell and is almost water-white. Sp. gr. 0.871 (0.°C). B.P. 123.3-125°C. Ester value 483.8. Miscible in alcohol or ether, very sl. in water. Uses—as a pyroxylin solvent; perfuming leather.

Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
•Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
•Verona Chem Co, 26 Verona Ave, Newark, N J

AMYLHYDRIDE see Pentane

AMYLHYDROXIDE see Alcohol, Amyl Normal

AMYL IODIDE (Iso) (Iso-Iodopentane)

$(CH_3)_2CH(CH_2)_2I$. M.W. 198.02. Colorless liq. Sp. gr. 1.510. B.P. 148°C. Insol. water; sol. alcohol, ether. Uses—organic synthesis, pharmaceuticals. Grades—pure, tech.

Philipp Bauer Co, 2 W 47 St, N Y

AMYL LAURATE

$C_{11}H_{23}COOHC_5H_{11}$. Sp. gr. 0.860 at 20°C. B.R. 290-330°C.

•Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa

AMYL MERCAPTAN (Pentanethiol)

$C_5H_{11}SH$. M.W. 104.14. Dist. Range, 80-125°C. Sp. gr. 0.8248 (20°C). Vapor Pressure 29 mm (22°C). Viscosity 0.005566 Poise (20°C). Refractive Index 1.4006 (20°C). Surface Tension 25.7 Dynes/cm. (13° C). Spec. Heat at room temp., 0.48 cal/gram. Heat of vap., 78 cal./gram. Coeff. of Exp., 0.00110 (20-60° C). Available commercially as a mixture of its various isomers. Uses—as a stench; as a flotation reagent; starting point in organic synheses.

•Sharples Chem, 123 S Broad St, Phila 9, Pa

tert.-AMYL MERCAPTAN

$C_5H_{11}SH$. M.W. 104.36. B.R. 96-121°C. Uses—chemical intermediate.

•Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

AMYL MYRISTATE

•Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa

AMYL NAPHTHALENES (Mixed)

Refined: Yellow to brown viscous oily liq. Sp. gr. at 20°C 0.94-0.96. Distillation—initial B.P. not below 288°C; 95% distils below 362°C; final B.P. not above 367°C. Wt. per gal. 7.90 lbs. A distilled mixture of

•Company classifies itself as manufacturer or producer of this product

AMYL NAPTHALENES, continued

monoamyl diamyl naphthalenes, each containing the amyl group in its isomeric forms; are alkylated aromatic hydrocarbons not affected under ordinary conditions by water or dilute acids or alkalies. Uses—high-boiling solvent and plasticizers for synth. resins and asphaltic materials; in mfr. of certain types of inks and vitrifiable colors; as a medium for constant temp. baths; coupling agent for certain vegetable and mineral oils; in mfr. of chemicals for the textile industry.

*Sharples Chem, 123 S Broad St, Phila 9, Pa

AMYL NITRATE

*Bios Labs, 17 W 60 St, N Y 23
*Ethyl Corp, 100 Park Ave, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7

AMYL OLEATE

$C_{17}H_{33}COOC_5H_{11}$. M.W. 352.34. Sp. gr. 0.862. B.R. 253-272°C. M.P. 6.0°C. Water-white, faint fruity odor.

*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Northwestern Chem Co, 120 N Aurora St, W Chicago, Ill

AMYL PHENOL (l-Amyl-p-Phenol, l-Amyl-4-Hydroxy-Benzene)

$C_5H_{11}C_6H_4OH$. M.W. 164.18. White needles. Sl. sol. water; sol. alcohol, ether. Uses—in the mfr. of synth. resins, and for varnishes and antiseptic emulsions.

*Sharples Chem, 123 S Broad St, Phila 9, Pa

o-AMYL PHENOL

$C_5H_{11}C_6H_4OH$. M.W. 164.12. Color—pale yellow. Sp. gr. at 30°C 0.96-0.97. Distillation—initial B.P. not below 223°C; final B.P. not above 245°C. Flash point 219°F. Wt. per gal. 8.12 lbs. Uses—anti-skinning agent for paints, varnishes and oleoresinous enamels.

Republic Chem Corp, 94 Beekman St, N Y 38
*Sharples Chem, 123 S Broad St, Phila 9, Pa

p-sec.-AMYL PHENOL

$C_5H_{11}C_6H_4OH$. M.W. 164.2. Light straw solid. Uses—organic synthesis.

*Sharples Chem, 123 S Broad St, Phila 9, Pa

p-tert.-AMYL PHENOL

$C_5H_{11}C_6H_4OH$. Sp. gr. 0.91-0.94 (95°C.). M.W. 164. Softening Point not less than 80°C. Final M.P. not less that 88°C. Distillation 90% bet. 250-265°C. Solubility—sol. 10% aqueous KOH. F.P. 256°F. Insol. water; readily sol. most organic solvents. Impurities—non-volatile matter, not over 0.001%. Free phenol, less than 0.1%. Very small amounts of amyl phenyl ethers and secondary amyl phenol. Uses—mfr. oil sol. varnish resins of phenol-formaldehyde type.

*Sharples Chem, 123 S Broad St, Phila 9, Pa

AMYL PHOSPHATE

$C_5H_{11}.H_3PO_4$. Syrupy liq. Uses—solvent, plasticizer.

J M Baird Co, 147 Nassau St, N Y
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

AMYL PROPIONATE

$CH_3.CH_2CO_2C_5H_{11}$. Water-white liq. Sp. gr. 0.862-0.866 at 20°/20°C. Wt. per gal., 7.19 lbs. at 20°C. B.P. 160°C. Uses—solvent for nitrocellulose where high-boiling solvent is desirable; in brushing lacquers.

J M Baird Co, 147 Nassau St, N Y
Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Verona Chem Co, 26 Verona Ave, Newark, N J

AMYL SALICYLATE

$HOC_6H_4CO_2C_5H_{11}$. M.W. 208.12. Colorless liq. with odor of orchids or clover. Sp. gr. 1.062 (15°C). B.P. 265°C. Ester Value 269.9. Optical rotation to 0.2°C. Refractive Index 1.505-1.507. Made by adding sulfuric to mixture of isomyl alcohol, salicylic acid and final distillation. Sol. very sl. in water; miscible in alcohol, ether, chloroform. Uses—as perfume base; in soap mfr.; in medicine. Grades—pure; tech.

W W Angus, 220 Broadway, N Y
J M Baird Co, 147 Nassau St, N Y
*Dodge & Olcott, 180 Varick St, N Y 14
*P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Geo Lueders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*Maywood Chem Works, Maywood, N J
Polak & Schwartz, 667 Washington St, N Y 14
*Verona Chem Co, 26 Verona Ave, Newark, N J

AMYL PHENOLS

SECONDARY ISOMERS

TERTIARY ISOMERS

SHARPLES TRADE MARK CHEMICALS

Sharples Chemicals Inc.

PHILADELPHIA
CHICAGO
NEW YORK

AMYL STEARATE

$C_{17}.H_{33}COOC_5H_{11}$. Pale yellow liq. Distillation, 100% between 230-270°C at 30 mm. Sp. gr. (20°C) 0.856 to 0.864. M.P. 15°C. Acidity as stearic acid—not over 2%. Wt. per gal. 7.16 lbs. Uses—where a high boiling inert plasticizer is desired; as a cellulose ester solvent and plasticizer.

J M Baird Co, 147 Nassau St, N Y
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

AMYLASE see Diastase

AMYLENE HYDRATE see Alcohol, Amyl Tertiary

AMYLIN see Dextrin

AMYLUM MARANTA see Starch, Corn

ANAESTHESIN see Ethyl p-Aminobenzoate

ANETHOL

$C_6H_5CoH_4(OCH_3)$ Colorless, crystalline mass, liq. at ordinary temperatures. M.P. 21-22°C. B.P. 232-234°C. Uses—perfumery, flavoring.

American-British Chem Supplies, 180 Madison Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
*Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Gane & Ingram, 43 W 16 St, N Y 11
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
Geo Lueders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
Polak & Schwartz, 667 Washington St, N Y 14
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

ANGLESITE PLUMBOUS SULFATE see Lead Sulfate, Basic

ANIDOL see Diaminophenol Hydrochloride

ANILINE (Aniline Oil, Aminobenzene, Phenylamine, Aminophen, Cyanol, Benzidam)

2,5-dimethoxy aniline

and 2,5-diethoxy aniline

• These Eastman aniline derivatives are used in several interesting dye formations. When diazotized, they can be coupled with salicylic acid to produce chrome yellows. Oil colors or pigments are readily produced by coupling the diazotized dialkoxy anilines with such intermediates as beta-naphthol, beta-naphthylamine, phenol diethanolamine, and phenyl ethyl ethanolamine. Acid eosines are produced by coupling the diazotized dialkoxy anilines with such reactants as the naphthol sulphonic acids. Coupling either aniline derivative with diazotized sulphanilic acid and treating with phosgene produces cotton fast-to-light direct colors. Both available in 35-pound cans and in drum lots.

TENNESSEE EASTMAN COMPANY
Division of Eastman Kodak Company
KINGSPORT, TENNESSEE

EASTMAN INDUSTRIAL CHEMICALS

Sales Reps in principal cities—see ad in Catalog Section.

*Company classifies itself as manufacturer or producer of this product

ANILINE, continued

$C_6H_5NH_2$. Colorless liq. Sp. gr. 1.026-1.027 (15°C). B.P. 184.4°C Sol. alcohol, ether; sl. sol. water. Uses—mfr. derivatives, intermediates, synth. perfumes, pharmaceuticals, salvarsan, toluidine, acetanilide, aniline colors, aniline salts, paint and varnish, azo dyes, tetranitroaniline, blueprint papers; as stabilizer in gun powd.; germicide; vulcanization accelerator; assist in dyeing and calico printing. Poisonous, inflammable. Grades—C.P.; pure; commercial.

American Quinine Co, 15 William St, N Y
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Calco Chem Div, Bound Brook, N J
Chem Service Corp, 82 Beaver St, N Y 5
Ciba Co, 627 Greenwich St, N Y 14
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Explosives Dept, Chem & Misc Sales Section, Wilmington 98, Del
Eibert & Co, 2 Broadway, N Y
Fallek Products Co, 163 Broadway, N Y 6
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
K F Griffiths & Co, 280 Madison Ave, N Y 16
*Hansen's Chr Lab, 9015 Maple St W, Milwaukee 14, Wis
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
Kingston Chem Co, 15 William St, N Y 5
*Maywood Chem Works, Maywood, N J
Mutchler Chem Co, 258 Broadway, N Y 7
*National Aniline Div, 40 Rector St, N Y 6
Overseas Enterprises, 25 Beaver St, N Y
Chas Page & Co, 50 E 42 St, N Y 17
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Shepard Chem Corp, 117 Liberty St, N Y 6
Tuteur Bio-Chem, 60 Wall St, N Y 5
United Sterling Corp, 37 E 28 St, N Y

ANILINE CHLORIDE see Aniline Salt

ANILINE HYDROCHLORIDE see Aniline Salt

ANILINE SALT (Aniline Chloride, Aniline Hydrochloride)

$C_6H_5NH_2HCl$. White crystalline plates. Sp. gr. 1.2215 (4°C). M.P. 198°C. B.P. 245°C. Sol. alcohol, ether, water. Uses—mfr. dyes, intermediates; dyeing and printing fabrics with aniline black. Grades—tech.; C.P.

American-British Chem Supplies, 180 Madison Ave, N Y
American Quinine Co, 15 William St, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Calco Chem Div, Bound Brook, N J
Chem Mfg Co, 21 West St, N Y
Ciba Co, 627 Greenwich St, N Y 14
David & Co, 140 Market St, Paterson 1, N J
Elbert & Co, 2 Broadway, N Y
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
Kingston Chem Co, 15 William St, N Y 5
Legion Chem, 70 Wall St, N Y 5
Mutchler Chem Co, 258 Broadway, N Y 7
*National Aniline Div, 40 Rector St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Gercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Seaboard Industries, 195 Keen St, Paterson, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Menkl Zimmer, Box 5, Fresh Meadows Sta, Flushing, N Y

ANILINE SULFATE

$C_6H_5NH_2)_2H_2SO_4$. White crystalline amorp. powd. Sp. gr. 1.337. Sol. water; sl. sol. alcohol; insol. ether. Uses—mfr. aniline black; as reagent for detecting wood; printing textiles; in medicine. Grades—C.P.; tech.

*J T Baker Chem Co, Phillipsburg, N J
*Calco Chem Div, Bound Brook, N J
Chem Mfg Co, 21 West St, N Y
Kingston Chem Co, 15 William St, N Y 5
Republic Chem Corp, 94 Beekman St, N Y 38

ANILINE YELLOW see Aminoazobenzene

ANIMAL CHARCOAL see Bone Black

ANIME see Gum, Copal

ANISIC ALDEHYDE (Anise Aldehyde, p-Methoxybenzaldehyde Aubepine, p-Anisaldehyde)

$CH_3OC_6H_4CHO$. M.W. 136.06. Colorless oily liq. aromatic odor. B.P. 248°C. M.P. 0°. Volatile in steam. Sl. sol. water; miscible alcohol, ether. Uses—perfumery & toilet soaps.

*Dow Chem Co, Midland, Mich

o-ANISIDINE (o-Methylaminophenol)

$C_6H_4(OCH)_3(NH_2)$. M.W. 123.08. Yellowish liq. becoming brown on exposure. Sp. gr. 1.098 (15°C). M.P. 5.2°. B.P. 224°C. Sol. alcohol, dilute mineral acid, ether; very slightly sol. water. Uses—mfr. azo dyes, azo cochineal, azoeosine, guaiacol. Grades—tech.; 99%.

Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Republic Chem Corp, 94 Beekman St, N Y 38

ANISOLE (Methyl Phenyl Ether)

$CH_3O(C_6H_5)$. M.W. 108. Colorless liq. B.P. 155°C. F.P. —37.5°C. Uses—intermediate in mfr. of pharmaceuticals, dyestuffs; perfume base; solvent.

*Alrose Chem Co, 180 Mill St, Cranston 5, R I
*Dodge & Olcott, 180 Varick St, N Y 14
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Fine Organics, 211 E 19 St, N Y 3
*Giwaudan-Delawanna, 330 W 42 St, N Y 18
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Ottawa Chem Co, 819-823 Hamilton St, Toledo 7, Ohio
*Verona Chem Co, 26 Verona Ave, Newark, N J

ANISOYL CHLORIDE

$CH_3OC_6H_4COCl$. M.W. 170.6. Amber-colored liq. B.P. 263°C with sl. decomp. Insol. water (decomp.); sol. organic solvents; decomp. ethanol. Uses—raw material for the prep. of dyes and medicine.

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

ANNATTO (Arnatto, Annotta, Arnotta, Orleana, Roucou, Bixine, Butter Color)

Vegetable dye containing bixin. Habitat—S. America, West Indies. Natural product. Uses—coloring butter, cheese, oils, food prens., wood stains, silk and cotton dye. Grades—tech.; Brazilian; French; Spanish.

Dalton-Cooper, 200 W 34 St, N Y
*Hansen's Chr Lab, 9015 Maple St W, Milwaukee 14, Wis
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*D Steengrafe & Co, 24 State St, N Y 4

ANNIDALIN see Thymol Iodide

ANNOTTA see Annatto

ANTACIDIN see Calcium d-Saccharate

ANTHION see Potassium Persulfate

ANTHRACENE (Anthracene Oil, Anthracin Green Oil, Paranaphthalene)

$C_6H_4(CH)_2C_6H_4$. M.W. 178.08. Yellowish with blue fluorescence crystalline powd. Sp. gr. 1.25. M.P. 218°C. B.P. 342°C. Sol. alcohol, ether, benzene, carbon bisulfide, chloroform. Uses—mfr. phenanthrene, carbazol, anthraquinone, intermediates, alizarin and aniline colors, color lights and signal rockets; in calico printing. Grades—commercial (50-90%).

J M Baird Co, 147 Nassau St, N Y
J H Bauminger, 421 7 Ave, N Y
*Carbolineum Wood Preserving Co, 528 W Highland Ave, Milwaukee 3, Wis
Chematar Inc, Exchange Pl, N Y 5
*Coopers Creek Chem Corp, 98 River Rd, W Conshohocken, Pa
Eibert & Co, 2 Broadway, N Y
Fallek Products Co, 163 Broadway, N Y 6
Hummel Chem Co, 90 West St, N Y 6
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Chas Page & Co, 50 E 42 St, N Y 17
*Reilly Tar & Chem Corp, 1615 Merchant Bank Bldg, Indianapolis 4, Ind
Reinhart Chem Corp, 405 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Tar Residuals, 420 Lextington Ave, N Y 17
United Sterling Corp, 37 E 28 St, N Y

ANTHRAQUINONE (Diphenyleneketone, Dyhydrodiketoanthracene)

$C_6H_4(CO)_2C_6H_4$. Yellow needles. Sp. gr. 1.419-1.438. M.P. 284.65°C. B.P. 382°C. Only sl. sol. alcohol, ether; more sol. in hot benzene; insol. water. Uses—mfr. derivatives, alizarin, quinazarin and purpurin dyes. Grades—sublimed; tech.; 30% paste (sold on 100% basis).

*Antara Products Div, 435 Hudson St, N Y 14
J M Baird Co, 147 Nassau St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Calco Chem Div, Bound Brook, N J
Chematar Inc, Exchange Pl, N Y 5
David & Co, 140 Market St, Paterson 1, N J
Elbert & Co, 2 Broadway, N Y
Fallek Products Co, 163 Broadway, N Y 6
L & R Organic Products Co, 50 White St, N Y 13
Perry Bros, 220 Flushing Ave, Bklyn 5, N Y
Charles A Pfeiffenberger, 104-40 194 St, Hollis, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
United Sterling Corp, 37 E 28 St, N Y

ANTI-CAKING AIDS

Products which are added to various materials to keep hydroscopic materials free flowing.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*Cosmetic Mfg Supply Co, 2967 S LaSalle St, Chicago, Ill
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
Johns-Manville Sales Corp, 22 E 40 St, N Y 16
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
*Quaker Oats Co, 341 Merchandise Mart Plaza, Chicago 54, Ill
*West Va Pulp & Paper Co, 230 Park Ave, N Y 17
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

ANTI-CARBONIZING COMPOUNDS

Preps. used to cover tools, machinery parts, etc., to protect them when being subjcted to carbonizing treatment to increase the hardness.

Chem Mfg Sales Co, 2967 S LaSalle St, Chicago, Ill
*Fine Organics, 211 E 19 St, N Y 3
*Flexoid Products, 170 Summer St, Boston, Mass
*National Chem Co, 1506 Industrial St, Los Angeles 21, Cal
*Sauereisen Cements Co, Sauereisen Blvd, Sharpsburg, Pittsburgh, Pa

ANTI-CORROSION AGENTS (Brine)

Compounds specially formulated for removing rust and scale in the coils of ammonia-sodium chloride or calcium chloride refrigerating systems.

*Ampion Corp 4-88 47 Ave, L I C 1, N Y
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Bram Chem Co, 820 65 Ave, Phila 26, Pa
*U B Bray Co, 3344 Medford St, Los Angeles, Cal
Chem Mfg Sales Co, 2967 S LaSalle St, Chicago, Ill
*Cosmetic Mfg Supply Co, 2967 S LaSalle St, Chicago, Ill
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
*Feedwaters Inc, 140 Cedar St, N Y
*Flexoid Products, 170 Summer St, Boston, Mass
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
Reilly Tar & Chem Corp, 1615 Merchant Bank Bldg, Indianapolis 4, Ind
*Superior Chem Works, 2538 Garland Ave, Louisville, Ky
*Wasco Engrg Corp, 601 W 26 St, N Y 1

ANTI-FELTING AGENTS

Products to minimize the felting of worsted materials and woolens, both piece goods and hanks, especially when chrome dyes are employed.

Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Warwick Chem Co Div, Wood River Junction, R I

ANTI-FOAMING COMPOUNDS

*Alrose Chem Co, 180 Mill St, Cranston 5, R I
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Antara Products Div, 435 Hudson St, N Y 14
*Apex Chem Co, 225 W 34 St, N Y 1
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*Baker Castor Oil Co, 120 Broadway, N Y 5
Braun Knecht Heimann Co, 1400 16 St, San Francisco, Cal
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Chem Labs, 1017 Sampson, Houston 3, Tex
Chem Mfg Sales Co, 2967 S LaSalle St, Chicago, Ill
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Cosmetic Mfg Supply Co, 2967 S LaSalle St, Chicago, Ill
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
*Dow Chem Co, Midland, Mich
*E F Drew & Co, 15 E 26 St, N Y 10
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Feedwaters Inc, 140 Cedar St, N Y
*Flexoid Products, 170 Summer St, Boston, Mass
*Gen Petroleum Corp, 612 S Flower St, Los Angeles 17, Cal
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*M Michel & Co, 90 Broad St, N Y 4
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
*National Aluminate Corp, 6216 W 66 Pl, Chicago 38, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Paisley Products, 630 W 51 St, N Y
*Pioneer Salt Co, 940 N Delaware Ave, Phila, Pa
Ross & Rowe, 50 Broadway, N Y 4
*Scher Bros, 519 Getty Ave, Clifton, N J
*Superior Chem Works, 2538 Garland Ave, Louisville, Ky

*Company classifies itself as manufacturer or producer of this product

ANTI-FOAMING COMPOUNDS, continued

Vitro Mfg Co, 60 Greenway Dr & Corliss Sts, Pittsburgh, Pa
Welch, Holme & Clark Co, 439 West St, N Y 14
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

ANTI-FREEZE (Alcohol)

American Mineral Spirits Co, 155 E 44 St, N Y 17
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
W H Barber Co, 3650 S Homan Ave, Chicago 32, Ill
*Bell Co, 411 N Wolcott Ave, Chicago 22, Ill
*Bell Chem Co, 25 W 44 St, N Y 18
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
C P Chem Solvents, 60 Park Pl, Newark 2, N J
Chem Mfg Sales Co, 2967 S LaSalle St, Chicago, Ill
*Cities Service Oil Co, Masonic-Empire Bldg, Bartlesville, Okla
*Cliffs Dow Chem Co, Wright St, Marquette, Mich
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Dagmar Chem Co, P O Box 343, Glenbrook, Conn
*DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E I Du Pont de Nemours & Co, Polychemicals Dept, Wilmington, Del
*Frank C Farinella, 19 W 44 St, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Wm S Gray & Co, 342 Madison Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*R M Hollingshead Corp, 840 Cooper St, Camden, N J
Hoosier Solvents & Chem Corp, 1650 Luett St, Indianapolis 22, Ind
Howe & French, Mfg Dept, E Weymouth, Mass
Krekel Goetz Sales & Supply Co, 302 Housman Bldg, Grand Rapids 2, Mich
Lac Chem, 8512 Hays St, Culver City, Cal
McKesson & Robbins, 155 E 44 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*Nealco-Monsanto Co, Everett 49, Mass
Pennsylvania Refining Co, 2686 Lisbon Rd, Cleveland, Ohio
Philipp Bros Chem, 37 Wall St, N Y
*Publicker Industries, 1429 Walnut St, Phila, Pa
*Puritan Co, Inc, 961 Lyell Ave, Rochester 6, N Y
Randall Products Mfg Co, 100 N Moore St, N Y 13
B Rauschkolb & Co, 225 W 34 St, N Y 1
Charles L Read & Co, 120 Greenwich St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38
Scholle Chem Corp, 6641 Ridge Ave, Chicago 26, Ill
Seaboard Industries, 195 Keen St, Paterson, N J
*George Senn, 2200 E Westmoreland St, Phila 34, Pa
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
*Smead & Small, 1630 Hanna Bldg, Cleveland 15, Ohio
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn
*Thompson Chem Co, 90 Mendon Ave, Pawtucket, R I
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Jos Turner & Co, Ridgefield, N J
*United Distillers of America, 350 5 Ave, N Y 1
*U S Industrial Chem, 60 E 42 St, N Y
Warren-Douglas Chem, 1513 Burt St, Omaha 2, Neb
West Coast Chem & Solvents Corp, 8512 Hays St, Culver City, Cal

ANTI-FREEZE (Glycol)

American Firstoline Corp, 420 Lexington Ave, N Y
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Bell Co, 411 N Wolcott Ave, Chicago 22, Ill
*Bell Chem Co, 25 W 44 St, N Y 18
Chem Mfg Sales Co, 2967 S LaSalle St, Chicago, Ill
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Dagmar Chem Co, P O Box 343, Glenbrook, Conn
*DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*Dow Chem Co, Midland, Mich
*Frank C Farinella, 19 W 44 St, N Y
*R M Hollingshead Corp, 840 Cooper St, Camden, N J
Legion Chem, 70 Wall St, N Y 5
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*National Carbon Co, 30 E 42 St, New York 17, N Y
Wm D Neuberg Co, 420 Lexington Ave, N Y 17
Randall Products Mfg Co, 100 N Moore St, N Y 13
B Rauschkolb & Co, 225 W 34 St, N Y 1
Republic Chem Corp, 94 Beekman St, N Y 38
Scholle Chem Corp, 6641 Ridge Ave, Chicago 26, Ill
*Thompson Chem Co, 90 Mendon Ave, Pawtucket, R I
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill
*United Distillers of America, 350 5 Ave, N Y 1
*U S Industrial Chem, 60 E 42 St, N Y
Van Waters & Rogers, 4000 1 Ave S, Seattle, Wash
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

ANTI-FREEZE (Masonry)

Compounds added to concrete, mortar, etc., to accelerate the setting of the batch in cold weather, quantity used being dependent upon the temp. at which the work is being done.

*Ceresit Waterproofing Corp, 3227 S Shields Ave, Chicago 16, Ill
*Toch Bros, 2600 Richmond Terrace, S I, N Y
Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va

EXPRESS TANK-WAGON
DELIVERY SERVICE
(To Plants Within 60 Miles of Principal Cities)
L. C. L. SERVICE—Tank-Wagon and Drum for
Benzol Toluol Hi-Flash Solvent
Xylol Solvent Naphtha
THE BARRETT DIVISION
Allied Chemical & Dye Corporation
40 Rector St., New York 6, N. Y.
Barrett*
*Reg. U.S. Pat. Off.

ANTI-FROTHING AGENTS (Paper)

Products which are added in the beaters to prevent froth from forming, insuring a finished paper free from unevenness. Anti-froth oils, such as pine oil, sulfonated castor oil, etc., are used to eliminate foaming of the coating mixture, thereby preventing pin-holes in the coating.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*Berkshire Color & Chem Corp, 42-44 Hampden St, Springfield, Mass
*Bram Chem Co, 820 65 Ave, Phila 26, Pa
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Dow Corning Corp, Midland, Mich
*E F Drew & Co, 15 E 26 St, N Y 10
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Paisley Products, 630 W 51 St, N Y
Ross & Rowe, 50 Broadway, N Y 4
*Whittemore-Wright Co, 62 Alford St, Boston 29, Mass
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

ANTI-FROTHING AGENTS (Textile)

Preps. which prevent or reduce foaming in connection with the application of textile sizes and finishes, thereby improving the appearance, wearing qualities, etc., of the finished materials.

*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*Bram Chem Co, 820 65 Ave, Phila 26, Pa
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Ciba Co, 627 Greenwich St, N Y 14
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Dow Corning Corp, Midland, Mich
*E F Drew & Co, 15 E 26 St, N Y 10
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Paisley Products, 360 W 51 St, N Y
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

ANTI-SKINNING AGENTS

Sharples Chemicals, 123 S Broad St, Phila 9, Pa

ANTI-HISTAMINE DRUGS

J M Baird Co, 147 Nassau St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Bristol Labs, P O Box 657, Syracuse 3, N Y
*Ciba Co, 627 Greenwich St, N Y 14
Conray Products, 510 6 Ave, N Y 11
Faliek Products Co, 163 Broadway, N Y 6
*Fine Organics, 211 E 19 St, N Y 3
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Hoffman-La Roche, Nutley 10, N J
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Sumner Chem Co, 6 E 45 St, N Y 17
*Winthrop-Stearns Inc, 1450 Broadway, N Y 1

ANTIMONIAL LEAD (Hard Lead)

An alloy of 15 parts of antimony and 85 parts lead. Uses—of particular value in chemical industry due to its resistance to the action of sulfuric acid; mfr. type metal.

ANTIMONIAL LEAD, continued

Charles Gitlan & Co, 25 Beaver St, N Y 4
*Goldsmith Bros Smelting & Refining Co, 111 N Wabash Ave, Chicago 2, Ill
*Morris P Kirk & Son, 2717 S Indiana St, Los Angeles, Cal
*Northwest Lead Co, 2700 16 Ave S W, Seattle, Wash
*U S Smelting Refining & Mining Co, 57 William St, N Y 5

ANTIMONIC SULFIDE see **Antimony Sulfide (Golden)**

ANTIMONINE see **Antimony Lactate**

ANTIMONIOUS BROMIDE see **Antimony Tribromide**

ANTIMONIOUS CHLORIDE see **Antimony Trichloride**

ANTIMONITE see **Antimony Sulfide**

ANTIMONOUS SULFATE see **Antimony Sulfate**

LEAD
PURE LEAD
99.9% + PURITY
★
CAULKING LEAD
★
ANTIMONIAL LEAD
(in pig form only)
★
Purchasers of scrap battery plates, drosses and all lead-bearing scrap.
EST. GB 1867
GOLDSMITH BROS. SMELTING & REFINING CO.
111 N. WABASH AVE., CHICAGO • 74 W. 40th ST., N. Y.
CHICAGO • NEW YORK • DETROIT • OAKLAND

*Company classifies itself as manufacturer or producer of this product

MANUFACTURERS OF

ANTIMONY OXIDE

•

POTASSIUM PYROANTIMONATE

•

ANTIMONY OXYCHLORIDE

METAL & THERMIT CORPORATION

100 EAST 42nd STREET

NEW YORK 17, N. Y.

BELGIAN ANTIMONY

Best Quality

WHITE OXIDE

"ANTIOX BLUE STAR" Brand

99½% soluble

REGULUS

C.M.C 99% pure, max. .10% As.

C.M.C. 99.60% pure, minimum, .05% As. max.

ANTIMONY SULPHIDE 70%

Powdered, 200 mesh

Charles Gitlan & Co., Inc.

Exclusive Agents

25 Beaver St., N.Y.C.

Digby 4-3058

Est. 1920

ANTIMONOUS SULFIDE see Antimony Sulfide

ANTIMONY (Metal) (Antimony Regulus, Stibium)

Sb. Gray, solid metal. Sp. gr. 6.67. M.P. 630°C. B.P. 1440°C. Insol. water, HCl or H_2SO_4. Uses—mfr. antimony salts, fireworks, pigments, dental and metal alloys; coating metals. Grades—tech.; lump, ground, powdered (needle powd.).

American Firstoline Corp, 420 Lexington Ave, N Y
J H Bauminger, 421 7 Ave, N Y
Charles Gitlan & Co, 25 Beaver St, N Y 4
*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill
Hummel Chem Co, 90 West St, N Y 6
Industrial Sales Corp, 500 5 Ave, N Y 18
*Morris P Kirk & Son, 2717 S Indiana St, Los Angeles, Cal
*Northwest Lead Co, 2700 16 Ave S W, Seattle, Wash
Wah-Chang Corp, 233 Broadway, N Y 7
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

ANTIMONY BLACK see Antimony Sulfide

ANTIMONY BLOOM see Antimony Oxide

J M Baird Co, 147 Nassau St, N Y
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Stauffer Chem Co, 420 Lexington Ave, N Y 17

ANTIMONY FLUORIDE (Antimony Trifluoride)

SbF_3. Grayish to white, hygroscopic cryst. M.P. 292°C. Sp. gr. 4.579. Sol. water. Uses—mfr. porcelains, pottery; in dyeing.

*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6

ANTIMONY GLANCE see Antimony Sulfide

ANTIMONY GRAY see Antimony Sulfide

ANTIMONY LACTATE (Antimonine)

$Sb(C_3H_5O_3)_3$. Yellow, crystalline. Sol. water. Uses—mordant in dyeing and printing textiles. Grades—tech.

*Apex Chem Co, 225 W 34 St, N Y 1

ANTIMONY OXIDE (Antimony Trioxide, Anhydrous Antimonous or Stibious Acid, Flowers of Antimony, Antimony Bloom)

Sb_2O_3. M.W. 291.52. White, odorless, tasteless, crystalline powd. Sp. gr. 5.2 Melts at red heat. M.P. 656°C. B.P. 1550°C. Sol. acids. Uses—mfr. antimony salts, enamels for cast iron; paint pigments; tartar emetic; decolorizing and refining glass; mordant in dyeing and printing textiles; producing blacks on cadmium and zinc; in medicine. Grades—tech.; C.P.; U.S.P.; N.F. (97% trioxide).

American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
J H Bauminger, 421 7 Ave, N Y
Chem Service Corp, 82 Beaver St, N Y 5
Elbert & Co, 2 Broadway, N Y
*Evans Lead Corp, Box 1467, Charleston 25, W Va
Charles Gitlan & Co, 25 Beaver St, N Y 4
Hummel Chem Co, 90 West St, N Y 6
*Metal & Thermit Corp, 100 E 42 St, N Y 17
Palmer Supplies Co, 8905 Lake Ave, Cleveland 2, Ohio
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Robert I Webber Co, 52 Vanderbilt Ave, N Y 17
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
Witco Chem Co, 295 Madison Ave, N Y 17
C L Zimmerman Co, N-204 Cincinnati Union Terminal, Cincinnati 3, Ohio

ANTIMONY PENTACHLORIDE (Antimony Perchloride)

$SbCl_5$. Yellow liq. M.W. 299.05. Sp. gr. 2.346. M.P. 2.8°C. B.P. 140°C. Sol. hydrochloric acid; decomp. water, alcohol. Uses—chlorinating agent in making intermediates, organic chemicals, synth. dyestuffs.

*J T Baker Chem Co, Phillipsburg, N J

ANTIMONY PENTASULFIDE see Antimony Sulfide (Golden)

ANTIMONY PERCHLORIDE see Antimony Pentachloride

ANTIMONY PERSULFIDE see Antimony Sulfide (Golden)

ANTIMONY POTASSIUM TARTRATE (Tartar Emetic, Tartrated Antimony)

$K(SbO)C_4H_4O_6.½H_2O$. White or colorless powd. or cryst. Sp. gr. 2.6. Loses water at 110°C. Sol. water, glycerol. Uses—mordant in dyeing and printing textiles; mordant in dyeing leather; in perfumes and medicine. Grades—U.S.P.; C.P.; tech.; cryst.; powdered.

*J T Baker Chem Co, Phillipsburg, N J
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
*Stauffer Chem Co, 420 Lexington Ave, N Y 17

ANTIMONY RED see Antimony Sulfide (Golden)

ANTIMONY REGULUS see Antimony Metal

ANTIMONY SULFATE (Antimony Trisulfate, Antimonous Sulfate)

$Sb_2(SO_4)_3$. M.W. 531.70. White, deliq. powd. or lumps. Sp. gr. 3.625. Decomp. in water. Sol. acids; insol. alcohol. Uses—mfr. explosives and pyrotechnics. Grades—C.P.; tech.

J M Baird Co, 147 Nassau St, N Y

ANTIMONY SULFIDE (Antimony Sulfuret, Antimony Trisulfide, Antimony Black, Crocus of Antimony, Crude Antimony, Antimony Gray, Antimonous Sulfide, Stibnite, Antimony Glance, Antimonite)

Sb_2S_3. Grayish-black powd. In natural state, Kermes Mineral of Red Antimony Sulfide, mostly Sb_2S_3. Sp. gr. 4.562. M.P. 546°C. Sol. ammonium sulfide, potassium sulfide, hydrochloric acid. Uses—mfr. antimony salts, metallic antimony, matches, percussion caps and pyrotechnics; as glass pigment; paint pigment; antique coloring of metals; refining gold. Grades—tech.

J T Baker Chem Co, Phillipsburg, N J
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Charles B Chrystal Co, 53 Park Pl, N Y 7
Croton Chem Corp, 114 Liberty St, N Y 6
Duff Chem Co, 342 Madison Ave, N Y 17
Elbert & Co, 2 Broadway, N Y
*Foote Mineral Co, Chelten Bldg, Phila, Pa
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Charles Gitlan & Co, 25 Beaver St, N Y 4
M O Grove & Co, 310 Sacramento St, San Francisco, Cal
Hummel Chem Co, 90 West St, N Y 6
Lack Chem Co, 19 Park Pl, N Y 7
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
*Rare Metal Products Co, Atglen, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Wah-Chang Corp, 233 Broadway, N Y 7
Witco Chem Co, 295 Madison Ave, N Y 17

ANTIMONY SULFIDE (Golden) (Antimonic Sulfide, Antimony Pentasulfide, Antimony Persulfide, Antimony Red, Sulfur Gold)

Sb_2S_5. Orange-yellowish powd. Sol. sodium hydroxide, warm hydrochloric acid; insol. water, alcohol. Uses—mfr. matches, fireworks; a spigment; coloring of metals; in antimony plating; vulcanizing and coloring rubber.

Gen Metallic Oxides Co, 1 & Henderson Sts, Jersey City 2, N J
Charles Gitlan & Co, 25 Beaver St, N Y 4
*Rare Metal Products Co, Atglen, Pa
Witco Chem Co, 295 Madison Ave, N Y 17

ANTIMONY SULFURET see Antimony Sulfide

ANTIMONY TARTRATE

$Sb_2(C_4H_4O_6)_3.6H_2O$. M.W. 795.71. White cryst powd. Sol. water. Uses—medicinal; in syntheses.

Amend Drug & Chem Co, 117-119 E 24 St, N Y

ANTIMONY TRIBROMIDE (Antimonious Bromide)

$SbBr_3$. Yellowish, deliq. cryst. Sp. gr. 4.148. M.P. 96.6°C. B.P. 280°C. Sol. carbon disulfide, hydrobromic acid, alcohol, alkalies. Uses—mfr. antimony salts; laboratory reagent; mordant; staining iron and copper articles. Grades—tech.

*City Chem Corp, 132 W 22 St, N Y 11
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

*Company classifies itself as manufacturer or producer of this product

KOPPERS
IMPRUVOL 20
New Antioxidant for Transformer Oil

IMPRUVOL 20—a compound oil solution of di-tertiary-butyl-para-cresol (DBPC)—greatly extends useful life of transformer oils. Practically all transformer manufacturers have adopted inhibited oil as "standard equipment"—with DBPC as the inhibitor in all instances. Impruvol 20 can be used easily with the simplest equipment.

KOPPERS COMPANY, INC.
Chemical Division
PITTSBURGH 19, PA.

ANTIMONY TRICHLORIDE (Butter of Antimony, Antimonious Chloride)

$SbCl_3$. M.W. 228.13. Colorless, very deliq., translucent cryst. mass; fumes sl. in air. Sp. gr. 3.14; M.P. 73°C. B.P. 225°C. Sol. alcohol, benzene, carbon disulfide, chloroform, ether, acetone. Uses—reagent for chloral aromatic hydrocarbons and Vit. A.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
J T Baker Chem Co, Phillipsburg, N J
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Stauffer Chem Co, 420 Lexington Ave, N Y 17

ANTIMONY TRIIODIDE

SbI_3. M.W. 502.52. Red cryst. M.P. 171°C (approx). Sol. alcohol, carbon bisulfide, hydrochloric acid, potassium iodide solutions; insol. chloroform; decomposed by water. Uses—laboratory reagent; in medicine.

*City Chem Corp, 132 W 22 St, N Y 11

ANTIMONY TRIFLUORIDE see Antimony Fluoride

ANTIMONY TRIOXIDE see Antimony Oxide

ANTIMONY TRISULFATE see Antimony Sulfate

ANTIMONY TRISULFIDE see Antimony Sulfide

ANTIMONY YELLOW see Lead Antimoniate

ANTI-OXIDANTS

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Alrose Chem Co, 180 Mill St, Cranston 5, R I
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Lecithin Co, 57-01 32 Ave, Woodside, N Y
*Dodge & Olcott, 180 Varick St, N Y 14
*Fine Organics, 211 E 19 St, N Y 3
*Gallowhur Chem Corp, 801 Second Ave, N Y 17
*Goldschmidt Chem Corp, 153 Waverly Pl, N Y 14
*B F Goodrich Chem Co, 2060 E 9 St, Cleveland 15, Ohio
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
Ross & Rowe, 50 Broadway, N Y 4
*Sharples Chem, 123 S Broad St, Phila 9, Pa
*Shell Chem Corp, 50 W 50 St, N Y 20
*William J Stange Co, 342 N Western Ave, Chicago 12, Ill
*Tennessee Eastman Co, 10 E 40 St, N Y 16
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

ANTI-OXIDANTS, GASOLINE

Substances added in small quantities to gasoline to prevent gum formation, anti-knock depreciation, and color loss.

*E I Du Pont de Nemours & Co, Organic Chem Dept, Petroleum Chem Div, Wilmington 98, Del
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Ross & Rowe, 50 Broadway, N Y 4
*Shell Chem Corp, 50 W 50 St, N Y 20
*Tennessee Eastman Co, 10 E 40 St, N Y 16

ANTI-OXIDANTS, OIL

*American Cynanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Lecithin Co, 57-01 32 Ave, Woodside, N Y
*Fine Organics, 211 E 19 St, N Y 3
*Gallowhur Chem Corp, 801 2 Ave, N Y 17
*Goldschmidt Chem Corp, 153 Waverly Pl, N Y 14
*B F Goodrich Chem Co, 2060 E 9 St, Cleveland 15, Ohio
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Oronite Chem Co, 38 Sansome St, San Francisco, Cal
*Patent Chem, 335 McLean Ave, Paterson 4, N J
Petroleum Specialties, 205 E 42 St, N Y 17
*Shell Chem Corp, 50 W 50 St, N Y 20
*Sinclair Refining Corp, 600 Fifth Ave, N Y 18
*Sindar Corp, 330 W 42 St, N Y 18
*Tennessee Eastman Co, 10 E 40 St, N Y 16
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Welch, Holme & Clark Co, 439 West St, N Y 14

ANTI-OXIDANTS, RUBBER

Compounds prepared to preserve rubber goods against the destructive effect of oxygen on vulcanized articles.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
Akron Chem Co, 255 Fountain St, Akron, Ohio
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Calco Chem Div, Bound Brook, N J
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Organic Chem Dept, Rubber Chem Div, Wilmington 98, Del
*Fine Organics, 211 E 19 St, N Y 3
*Gallowhur Chem Corp, 801 Second Ave, N Y 17
*Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Naugatuck Chem, Div of U S Rubber Co, Naugatuck, Conn
Republic Chem Corp, 94 Beekman St, N Y 38
*Shell Chem Corp, 50 W 50 St, N Y 20
*Tennessee Eastman Co, 10 E 40 St, N Y 16
R T Vanderbilt Co, 230 Park Ave, N Y
*Witco Chem Co, 295 Madison Ave, N Y 17

ANTI-OXIDANTS, SOAP

*Alrose Chem Co, 180 Mill St, Cranston 5, R I
*Fine Organics, 211 E 19 St, N Y 3
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
*Shell Chem Corp, 50 W 50 St, N Y 20
*Tennessee Eastman Co, 10 E 40 St, N Y 16

ANTIPYRINE

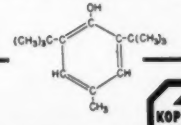
$C_{11}H_{12}ON_2$. M.W. 188.21. White powd. M.P. 111.3°C. Sol. in water, alcohol, and ether. Uses—in medicine, as antipyretic and sedative; analytical reagent for determination of nitrous and nitric acid, and for determination of iodine number; mfr. pharmaceuticals. Grades—U.S.P. XI.

American Roland Corp, 16 Hudson St, N Y
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
J H Bauminger, 421 7 Ave, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
Ciba Co, 627 Greenwich St, N Y 14
Conray Products 510 6 Ave, N Y 11

IONOL®
2,6-Di-tert-butyl-4-methylphenol
An anti-oxidant for fats, oils and rubber

SHELL CHEMICAL CORPORATION
CHEMICAL PARTNER OF INDUSTRY AND AGRICULTURE
500 Fifth Avenue, New York 18 * 100 Bush Street, San Francisco 6
Boston • Chicago • Cleveland • Detroit • Houston • Los Angeles • Newark • St. Louis

KOPPERS
Di-tert-BUTYL-para-CRESOL



USES: As an antioxidant for transformer oil; as an antioxidant for hydrocarbon materials; as a lubricating oil additive; as a stabilizer of gasoline for the prevention of gum formation; as a non-staining rubber antioxidant; as a stabilizer for insecticidal preparations; as an antioxidant for fats and greases.

KOPPERS COMPANY, INC.
Chemical Division
PITTSBURGH 19, PA.

*Company classifies itself as manufacturer or producer of this product

ANTIPYRENE, continued

*Dow Chem Co, Midland, Mich
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Gane & Ingram, 43 W 16 St, N Y 11
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Hummel Chem Co, 90 West St, N Y 6
Legion Chem, 70 Wall St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
Mutchler Chem Co, 258 Broadway, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Prentiss Drug & Chem Co, 110 William St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Sterone Corp, 250 W 57 St, N Y 19
Tuteur Bio-Chem, 60 Wall St, N Y 5
George Uhe Co, 76 9 Ave, N Y 14

ANTIPYRINE BENZOATE

*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11

ANTIPYRINE SALICYLATE (Phenazone, Salazolon)

$C_{11}H_{12}N_2OC_7H_6O_3$. White, coarse, crystalline powd.; odorless, tasteless. M.P. 91.5°C.; M.W. 326.16; Sol.—alcohol, chloroform; Uses—in medicine.

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
*Dow Chem Co, Midland, Mich
*Fairmount Chem Co, 60 Ferry St, Newark 5, N J
Fallek Products Co, 163 Broadway, N Y 6
*Fine Organics, 211 E 19 St, N Y 3
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*Lamex Chem Corp, 25 Broadway, N Y 4
*Polychem Co, 494 Hunts Point Ave, N Y 59
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
George Uhe Co, 76 9 Ave, N Y 14

ANTI-RUBBING AGENTS, TEXTILE

*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*E F Drew & Co, 15 E 26 St, N Y 10
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Ultra Chem Works, 2 Wood St, Paterson 4, N J

ANTI-RUSTING COMPOUNDS

*American Lanoline Corp, 13 Railroad St, Lawrence, Mass
American Lecithin Co, 57-01 32 Ave, Woodside, N Y
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Atlantic Chem & Equipment Co, 874 Ashby St, N W, Atlanta 3, Ga
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Baker Castor Oil Co, 120 Broadway, N Y 5
*Bell-Ray Chem Corp, 1608 W Claybourn St, Milwaukee 3, Wis
*U B Bray Co, 3344 Medford St, Los Angeles, Cal
*Commercial Solvents Corp, 1617 Penn Blvd, Phila, Pa
*Crystal Soap & Chem Co, 6308 State Rd, Phila 35, Pa
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Dominion Products, 10-40 44 Dr, L I C 1, N Y
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
*Enthone Inc, 442 Elm St, New Haven, Conn
*Fine Organics, 211 E 19 St, N Y 3
*Flexoid Products, 170 Sumner St, Boston, Mass

ARSENIC METAL

Highest Purity

•

White Arsenic
Copper Sulphate
Nickel Sulphate
Zinc Chloride
Zinc Ammonium Chloride
Iron Perchloride

Rare Earth Salts
Derived from Monazite Sand

Chemicals Generally

GEORGE F. SMITH
Sales & Chemicals Corp.
60 EAST 42nd STREET
New York 17, N. Y.
7-5651
MUrray Hill

ANTI-RUSTING COMPOUNDS, continued

*Gen Petroleum Corp, 612 S Flower St, Los Angeles 17, Cal
J W Guthrie Co, 725-2 St, San Francisco 7, Cal
*Haas-Miller Corp, 4 & Bristol Sts, Phila 40, Pa
Harwick Standard Chem Co, 60 S Selberling St, Akron, Ohio
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Emil Klemm, 1946 S Main St, Salt Lake City, Utah
*London Chem Co, 325 W 32 St, Chicago, Ill
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*Nirol Labs, 1719 S Clinton St, Chicago 16, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Reilly Tar & Chem Corp, 1615 Merchant Bank Bldg, Indianapolis 4, Ind
*Sinclair Refining Corp, 600 Fifth Ave, N Y 18
*Standard Oil Co, 910 S Mich Ave, Chicago 80, Ill
*Synthetic Chem, 335 McLean Blvd, Paterson 4, N J
*Tesco Chem, Box 173, Sta C, Atlanta, Ga
*Warwick Chem Co Div, Wood River Junction, R I
*Zophar Mills, 116 26 St, Bklyn 32, N Y

PENTAPHEN
P-TERT-AMYLPHENOL

SHARPLES TRADE MARK CHEMICALS

Sharples Chemicals Inc.
PHILADELPHIA
CHICAGO
NEW YORK

ANTI-SKINNING AGENTS, PAINTS

Products which added to paint or varnish eliminate or reduce skinning, the formation of a film of drying oil and and in keeping the paint or varnish in a liq. state.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*National Aniline Div, 40 Rector St, N Y 6
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Pan American Refining Corp, 122 E 42 St, N Y 17
*Sharples Chem, 123 S Broad St, Phila 9, Pa
*Shell Chem Corp, 50 W 50 St, N Y 20
*Sindar Corp, 330 W 42 St, N Y 18

ANTI-SOOT COMPOUNDS

Compounds which react when contacting hot coals, fire, etc., destroying and removing soot in flues, pipes, chimneys. Uses—in stoves and furnaces, to increase efficiency.

*E F Drew & Co, 15 E 26 St, N Y 10
*National Chem Co, 1506 Industrial St, Los Angeles 21, Cal
*Superior Chem Works, 2528 Garland Ave, Louisville, Ky
*Wasco Engrg Corp, 601 W 26 St, N Y 1

AQUA FORTIS see Acid, Nitric

ARAGONITE see Calcium Carbonate

ARCILLA see Argols

ARGENTUM see Silver

ARGIL see Argols

ARGILLA see Clays, China

ARGININE (Guanidine-Aminovaleric Acid)

$HN:C(NH_2).NH.CH_2.CH_2.CH_2.CH(NH_2).COOH$. M. W. 174.14. White, small Cryst. Sol. water with alkaline reaction; almost insol. alcohol.

*Bios Labs, 17 W 60 St, N Y 23
*Mann Fine-Chem, 136 Liberty St, N Y 6
*Nelson-Wells & Co, Box 348, Red Bluff, Cal
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y
*Wintrhop-Stearns, 1450 Broadway, N Y 18

ARGOLS (Wine Lees, Crude Cream of Tartar, Argil, Arcilla)

$KH(C_6H_4O_6)$. Natural cryst. Sol. water. Uses—mfr cream of tartar, tartaric acid, tartrates, malt vinegar; as fertilizer; mordant in dyeing textiles. Grades—tech.: red and white.

J T Baker Chem Co, Phillipsburg, N J
Frederick C Keller & Son, 150 Nassau St, N Y 7
W R Grace & Co, 7 Hanover Sq, N Y 5
Kingston Chem Co, 15 William St, N Y 5
Republic Chem Corp, 94 Beekman St, N Y 38

ARGON see also Rare Gases

A. M.W. 39.94. Colorless, inert gas. Sp. gr. 1.378 (Air = 1). B.P. —189.2°C. M.P. —185.7°C. Uses—filler in electrical display signs instead of neon or other rare gases; instead of nitrogen for filling incandescent bulbs; instead of hydrogen in thermometers.

*Air Reduction Sales Co, 60 E 42 St, N Y 17
*Linde Air Products Co, 30 E 42 St, N Y 17
Matheson Co, Paragon Div, E Rutherford, N J

ARGOTAN see Cinchophen

ARISTOL see Thymol Iodide

ARNATTO see Annatto

ARNOTTA see Annatto

ARRHENAL (Di Sodium Methyl Arsenate)

$Na_2CH_3AsO_3.5H_2O$. M.W. 274.01; white crystalline powd; Sol.—water somewhat in alcohol; Uses—in medicine (similar to the cacodylate).

*Arenol Chem Corp, 40-33 23 St, L I C 1, N Y
Philipp Bauer Co, 2 W 47 St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
European Chem Co, 366 Broadway, N Y 13
*Fallek Products Co, 163 Broadway, N Y 6
Keto Chem Co, 40-33 23 St, L I C 1, N Y
Red Star Chem Co, 40-33 23 St, L I C 1, N Y

ARROWROOT (Balua Tapioca, Maranta)

Starch derived from roots of plants of Maranta genus. Uses—mfr. food preps., baked produces, confectionery, glues, starches, face powd.; food substances; size; laundry; textile size; bleaching linen. Grades—American; St. Vincent; Bermuda.

*Company classifies itself as manufacturer or producer of this product

ARROWROOT, continued

Dalton-Cooper, 200 W 34 St, N Y
*El Dorado Oil Works, 311 California Ave, San Francisco 4, Cal
*Meer Corp, 318 W 46 St, N Y 19
Morningstar Nicol, 630 W 51 St, N Y 19
Paisley Products, 360 W 51 St, N Y
*S B Penick & Co, 50 Church St, N Y 7
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

ARSENIC (Metal)

As_4. Silvery, solid crystalline. Natural and mfr. Sp. gr. 4.7 to 5.7 M.P. 850°C under pressure. Volatilizes about 100°C. Sublimes at 616°C. Sol. nitric acid; insol. water. Uses—mfr. poisonous insecticides, rodent poisons, arsenic salts, arsenicals; bronzing agent for glass and opal glass; alloying metal; in medicine. Poisonous. Grades—tech.; 99%.

American Firstoline Corp, 420 Lexington Ave, N Y
American Roland Corp, 16 Hudson St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Nopel Corp, 2 Broadway, N Y 4
Chas Page & Co, 50 E 42 St, N Y 17
George F Smith, 60 E 42 St, N Y 17

ARSENIC, BISULFIDE see Arsenic, Red

ARSENIC, DISULFIDE see Arsenic, Red

ARSENIC, FREE

As. At. Wt. 74.91; At. No. 33. M.P. sublimes (500° C m.p. under pressure); B.P. 615; Sp. gr. 5.73. Valence 3.5. Semi-metallic element, rarely found free; occurring as realgar and arsenical pyrites. Steel-gray, brittle, cryst. mass; subliming on eating and depositing partly cryst., partly black amorphous solid. Uses—in bronzing; alloys; infr. arsenic sulfides, shot, certain glass; in pyrotechnics.

American Firstoline Corp, 420 Lexington Ave, N Y
*Anaconda Copper Mining Co, 25 Broadway, N Y 4
Barclay Chem Co, 75 Varick St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
Conray Products, 510 6 Ave, N Y 11
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
European Chem Co, 366 Broadway, N Y 13
Fallek Products Co, 163 Broadway, N Y 6
Industrial Sales Corp, 500 5 Ave, N Y 18
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Nopel Corp, 2 Broadway, N Y 4
Republic Chem Corp, 94 Beekman St, N Y 38
George F Smith, 60 E 42 St, N Y 17
George Uhe Co, 76 9 Ave, N Y 14

ARSENIC IODIDE (Arsenious Iodide, Arsenic Tri-iodide)

AsI_3. M.W. 455.69. Orange-red scales or powd. Sp. gr. 4.39. M.P. 146°C. B.P. 403°C. Sol. water, alcohol, ether, carbon bisulfide. Uses—laboratory reagent; in poisons; in medicine. Poisonous. Grades—U.S.P.; tech.

*El Dorado Oil Works, 311 California Ave, San Francisco 4, Cal
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

ARSENIC PENTOXIDE see Acid, Arsenic

ARSENIC, RED (Arsenic Disulfide, Red Orpiment, Arsenic Bisulfide, Realgar, Red Arsenic Glass, Red Arsenic Sulfide, Ruby Arsenic)

As_2S_2. Brownish-red amorp. powd. Sp. gr. 3.55. M.P. 307°C. B.P. 565°C. Sol. acids, alkalies. Uses—mfr. pyrotechnic preps.; depilatory agent; shot, paint, and varnish pigment; dyeing textiles and calico printing. Poisonous. Grades—tech.

American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
City Chem Corp, 132 W 22 St, N Y 11
Hummel Chem Co, 90 West St, N Y 6
Industrial Sales Corp, 500 5 Ave, N Y 18
Nopel Corp, 2 Broadway, N Y 4
Republic Chem Corp, 94 Beekman St, N Y 38
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

ARSENIC TERSULFIDE see Arsenic, Yellow

ARSENIC, YELLOW (Arsenic Trisulfide, Arsenious Sulfide Auripigment, King's Yellow, Orpiment, Sulfoarsenious Anhydride, Arsenic Tersulfide)

As_2S_3. M.W. 246.04. Yellow-orange, solid amorp. Sp. gr. 3.43. M.P. 300°C. B.P. 707°C. Sol. nitric acid, alkalies. Uses—pigment in paints and varnishes; reducing agent in making intermediates, organic chemicals, etc., and in chemical processes; in medicine. Poisonous. Grades—tech.

American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38

ARSENIC, WHITE, continued

Industrial Sales Corp, 500 5 Ave, N Y 18
International Selling Corp, 70 Pine St, N Y 5
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Nopel Corp, 2 Broadway, N Y 4
Philipp Bros Chem, 37 Wall St, N Y
Prentiss Drug & Chem Co, 110 William St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Shepard Chem Corp, 117 Liberty St, N Y 6
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
George F Smith, 60 E 42 St, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

ARSENIOUS ANHYDRIDE see Arsenic, White

ARSENIOUS CHLORIDE see Arsenic, Trichloride (Anhydrous)

ARSENIOUS IODIDE see Arsenic, Iodide

ARSENIOUS OXIDE see Arsenic, White

ARSENIOUS SULFIDE AURIPIGMENT see Arsenic, Yellow

ARCTIC ESSENCE see Methyl Chloride

ARTIFICIAL BLUE MALACHITE see Copper Carbonate, Blue

ARYL ACETYLENE see Acetylenic Hydrocarbons

ARSENIC TRICHLORIDE (Anhydrous, Arsenious Chloride)

As_2Cl_3. Colorless fuming corrosive oily liq. Sp. gr. approx. 2.163 at 15.5°/15.5°C. Distillation range—3°. B.P. 130.2°C. Sol. hydrochloric acid, alcohol, ether. Uses—mfr. drugs, ceramics, sneeze gas.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*American Smelting & Refining Co, 120 Broadway, N Y 5
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
Nopel Corp, 2 Broadway, N Y 4
Republic Chem Corp, 94 Beekman St, N Y 38

ARSENIC TRI-IODIDE see Arsenic Iodide

ARSENIC, TRIOXIDE see Arsenic, White

ARSENIC, TRISULFIDE see Arsenic, Yellow

ARSENIC, WHITE (Arsenious Acid, Arsenious Oxide, Arsenious Anhydride, Arsenic Trioxide)

As_2O_3. M.W. 197.86. White, amorp. lumps, cryst. or white powd., odorless. Sp. gr. 3.86. Sublimes at 193°C. Sol. water, alkalies, alkali carbonates, acids, alcohol. Uses—mfr. arsenic acid, arsenical, aniline dyes, white fire, ceramic enamels, fly poisons, fly paper, wheat smut killers, vegetable decomposition preventatives, boiler compounds, rat poisons, sheep dips, bullets and shot, Scheele's green, Paris green, etc., medicinal soaps, blue, green, pink, brown and other pigments; as clarifying reagent and decolorizer glass; hide preservative; insecticide; laboratory reagent; treating hair for felt hats; mordant in dyeing and calico printing; fixative for aniline dyes; determining strength of bleach; for coloring metals; in medicine. Very poisonous. Grades—tech. (99%); offgrade (96-99%); C.P.; U.S.P.

American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
J H Baumiinger, 421 7 Ave, N Y
F M Browning Co, 150 Broadway, N Y 38
Chem Mfg Co, 21 West St, N Y
John A Chew, 60 E 42 St, N Y 17
Conray Products, 510 6 Ave, N Y 11
Elbert & Co, 2 Broadway, N Y
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*E Gumpert Corp, 75 West St, N Y 6
Industrial Raw Materials Corp, 575 Madison Ave, N Y 22

ARSENIC

WHITE ARSENIC 99-100%
98- 99%
96- 98%
90- 96%

RED ARSENIC

ARSENIC METAL

★

NOPEL CORPORATION
2 Broadway
New York 4, N. Y.
Tel: WHitehall 4-5328-9

Exclusive U. S. REPRESENTATIVES FOR USINES *et* MINES de SALSIGNE France

afc

WHITE ARSENIC
99% plus pure
Arsenic Metal
Grey Arsenic
Lead Arsenate
Calcium Arsenate

White Pigments:
Antimony Oxide
Barium Sulfate
Lithopone
Titanium Dioxide
Zinc Oxide
Zinc Carbonate

Industrial & Agricultural Chemicals

american FIRSTOLINE CORPORATION
420 LEXINGTON AVE., N. Y. 17, N. Y.
MU-3-3203

*Company classifies itself as manufacturer or producer of this product

ASBESTOS (Amphibole, Amianthus, Earth Flax, Mountain Cork, Serpentine, Stone Flax)

Fibrous, crystalline mineral. Varying physical properties. Sp. gr. 2.2-2.8. Infusible. Resistant to high temp. and solvents. Uses—mfr. woven fireproof fabrics, theatre curtains, asbestos yarn, cloth, rope, wicks, tinder, wall linings, firemen's clothing, paints, roof shingles, roofing papers and cements, wallplaster and wallboard, stucco plaster, asbestos slate, asbestos paper, coverings for pipes, furnaces, locomotives, acid proof cements, electrical insulating compositions, insulators for motors, generators and other electrical machinery, leather substitutes; packing for joints, boxes, etc.; in steam lines; general filtering medium; rubber filler; filler in moulding compounds; substratum for platinum catalyst in chemical processes; mortar ingredient. Grades—crude; long fibres; short fibres; paper stock; cement stock; shingle stock; floats.

J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
*Philip Carey Mfg Co, 408 Commercial Square, Cincinnati, Ohio
*Colorado Asbestos & Mining Co, Box 65, S Braintree, Mass
Charles Gitlan & Co, 25 Beaver St, N Y 4
*Johns-Manville, 22 E 40 St, N Y 16
Republic Chem Corp, 94 Beekman St, N Y 38
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Spelden-Whitfield Co, 154 Nassau St, N Y 38
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
*Western Chem & Mfg Co, 3270 E Washington Blvd, Los Angeles 23, Cal
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
Witco Chem Co, 295 Madison Ave, N Y 17

ACID, ASCORBIC see Vitamin C

ASPARAGINE (l-Aminosuccinamic Acid, Althein, Asparamide)

$C_4H_8N_2O_3.H_2O$. M.W. 150. White cryst.; optically active. Uses—in medicine.

American-British Chem Supplies, 180 Madison Ave, N Y
*Blos Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
*Eastern Chem Corp, 34 Spring St, Newark 2, N Y
Enco Chem Corp, 441 Lexington Ave, N Y 17
Inland Alkaloid Co, Tipton, Ind
*Nelson-Wells & Co, Box 348, Red Bluff, Cal
*S B Penick & Co, 50 Church St, N Y 7
*Pfanstiehl Chem Co, 104 Lakeview Ave, Waukegan, Ill
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y

ASPARAMIDE see Asparagine

ASPHALT see Asphaltum

ASPHALTUM (Asphalt, Bitumen, Judean Pitch, Jew's Pitch, Petroleum Asphalt, Mineral Pitch, Trinidad Pitch, Petrolene)

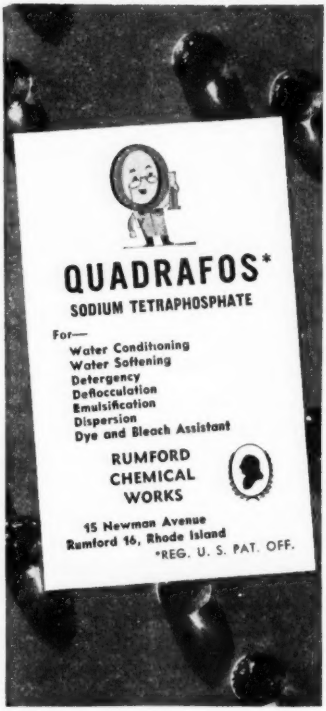
Brownish-black solid to semi-solid. Varying physical contents. Sp. gr. 1.00-1.18. M.P. 32-38°C. Sol. turpentine, petroleum, carbon disulfide, chloroform, acetone, ether; insol. acids, alkalies, water, alcohol. Uses—mfr. black varnishes, varnishes, paints, enamels, roof cements, transfer and duo-tone inks, asphaltic, roofing and insulating papers, asphaltic stone, mastics, plastics, mineral rubber, chewing gum, lacquers; electrical insulating compositions; lining water tanks; engraving and lithography; waterproofing purposes: coating pipes; cement mixtures; paving streets. Grades—tech.

*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
*American Bitumuls Co, 200 Bush St, San Francisco 4, Cal
J M Baird Co, 147 Nassau St, N Y
*Berry Asphalt Co, Magnolia, Ark
*Philip Carey Mfg Co, 408 Commercial Sq, Cincinnati, Ohio
*Coopers Creek Chem Corp, 98 River Rd, W Conshohocken, Pa
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
*Benjamin Foster Co, 4635 W Girard Ave, Phila 31, Pa
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harry Haze, 435 N Michigan Ave, Chicago 11, Ill
Philip A Hunt Co, Palisades Park, N J
*Emil Klemm, 1946 S Main St, Salt Lake City, Utah
*Lion Oil Co, El Dorado, Ark
Oil & Chem Products, 295 Madison Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Rubber Asphalt Oil & Mining Corp, 1833 Marney Ave, Los Angeles 32, Cal
*Standard Oil Co, 910 S Mich Ave, Chicago 80, Ill
*Thumbull Asphalt Co of Del, 59 & Archer Rd, Summit, Ill
*Witco Chem Co, 295 Madison Ave, N Y 17
*Zophar Mills, 116 26 St, Bklyn 32, N Y

ASPIDIUM OLEORESIN

Oleoresin of male Aspidium fern. Dark green thick liq.; bitter, unpleasant taste. Sp. gr. not less than 1.0. Sol. ether; partly sol. in alcohol, chloroform. Uses—teniacide in medicine.

*Magnus, Mabee & Reynard, 16 Debrosses St, N Y 13
*S B Penick & Co, 50 Church St, N Y 7



ASPIRIN see Acid, Acetylsalicylic

ASSISTANTS, Bleaching

Concentrated compounds added to chlorine and peroxide bleaching baths to accelerate the bleaching process and to afford protection to the fibre.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Ciba Co, 627 Greenwich St, N Y 14
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*E F Drew & Co, 15 E 26 St, N Y 10
*W C Durfee Co, 463 Commercial St, Boston 13, Mass
M Michel & Co, 90 Broad St, N Y 4
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Rumford Chem Works, Rumford, R I
*Scher Bros, 519 Getty Ave, Clifton, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Standard Soap Co of Camden, 205 S 2 St, Camden, N J
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

ASSISTANTS, KIER

Specially formulated compounds to remove and emulsify the natural oils and waxes on the cotton fibre thereby producing a clean and absorbent yarn or fabric.

Antara Products Div, 435 Hudson St, N Y 14
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*Ciba Co, 627 Greenwich St, N Y 14
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Dexter Chem Corp, 819 Edgewater Rd, N Y 59
*E F Drew & Co, 15 E 26 St, N Y 10
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Eastern Color & Chem Co, 137 Canal St, Providence, R I
*Foster Finishing Products Co, Hope St & Montgomery Ave, Phila, Pa
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*Laurel Soap Mfg Co, Tioga & Thompson St, Phila 34, Pa
*Leatex Chem Co, 2722 N Hancock St, Phila 33, Pa

ASSISTANTS, KIER, continued

George Mann & Co, 251 Fox Point Blvd, Providence, R I
M Michel & Co, 90 Broad St, N Y 4
*National Aniline Div, 40 Rector St, N Y 6
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Protean Chem Corp, 150 Nassau St, N Y 38
*Rumford Chem Works, Rumford, R I
*Scher Bros, 519 Getty Ave, Clifton, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Synthetic Chem, 335 McLean Blvd, Paterson 4, N J
*Titan Chem Products, Mill Rd & Wayne St, Jersey City, N J
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
*Warwick Chem Co Div, Wood River Junction, R I
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

ASSISTANTS, MERCERIZING

Wetting out agents which assist in obtaining a more uniform, intimate contact between the mercerizing agent and the cotton goods.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Antara Products Div, 435 Hudson St, N Y 14
*Bersworth Chem Co, 609 Waverly St, Framingham, Mass
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Dexter Chem Corp, 819 Edgewater Rd, N Y 59
*E F Drew & Co, 15 E 26 St, N Y 10
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*Laurel Soap Mfg Co, Tioga & Thompson St, Phila 34, Pa
*Leatex Chem Co, 2722 N Hancock St, Phila 33, Pa
George Mann & Co, 251 Fox Point Blvd, Providence, R I
M Michel & Co, 90 Broad St, N Y 4
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Polymer Industries, 284 Sheffield Ave, Bklyn 7, N Y
*Sandoz Chem Works, 61 Van Dam St, N Y 13
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
Warwick Chem Co Div, Wood River Junction, R I
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

ASSISTANTS, VAT PRINTING

Catalysts which improve, accelerate, brighten, and strengthen vat printing pastes.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Antara Products Div, 435 Hudson St, N Y 14
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Ciba Co, 627 Greenwich St, N Y 14
*E F Drew & Co, 15 E 26 St, N Y 10
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Leatex Chem Co, 2722 N Hancock St, Phila 33, Pa
M Michel & Co, 90 Broad St, N Y 4
*National Aniline Div, 40 Rector St, N Y 6
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Rumford Chem Works, Rumford, R I
*Scher Bros, 519 Getty Ave, Clifton, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Synthetic Chem, 335 McLean Blvd, Paterson 4, N J
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
*Warwick Chem Div, Wood River Junction, R I
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

ATROPINE (dl-Hyoscyamine; dl-Daturine)

$C_{17}H_{23}O_3N$. M.W. 289.19. White, odorless cryst.; bitter, acrid taste. Intensely poisonous. M.P. 114°. Sol. water, alcohol. Uses—to prepare the oleate.

J M Baird Co, 147 Nassau St, N Y
Fellows Medical Mfg Co, 26 Christopher St, N Y 14
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Gane & Ingram, 43 W 16 St, N Y 11
*J L Hopkins & Co, 477 Keap St, Bklyn 11, N Y
*Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Inland Alkaloid Co, Tipton, Ind
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*S B Penick & Co, 50 Church St, N Y 7
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Smith-NY Co, 61 Hampton Pl, Freeport, N Y

AURIC CHLORIDE see Gold Chloride

AURIC CYANIDE see Gold Cyanide

AURIN see Acid, Rosolic

AURORA YELLOW see Cadmium Sulfide

*Company classifies itself as manufacturer or producer of this product

AUSTRALIAN BARK see Wattle Bark

AUTOMOBILE SPECIALTIES

*Bell Chem Co, 25 W 44 St, N Y 18
*Bell-Ray Chem Corp, 1608 W Clybourn St, Milwaukee 3, Wis
*Carborundum Co, Box 337, Niagara Falls, N Y
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*E F Drew & Co, 15 E 26 St, N Y 10
*R M Hollingshead Corp, 840 Cooper St, Camden, N J
*K & L Chem Co, 1052 W 78 St, Chicago 20, Ill
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Old Empire Mfg Chemists, 31-33 Coes Pl, Newark 2, N J
*Park Chem Co, 8074 Military Ave, Detroit, Mich
*Stewart Chem Products Co, Longmont, Col
*Superior Chem Works, 2528 Garland Ave, Louisville, Ky
*Tesco Chem, Box 173, Sta C, Atlanta, Ga
*Thompson Chem Co, 90 Mendon Ave, Pawtucket, R I
*Van Cleef Bros, 7800 Woodlawn Ave, Chicago 19, Ill
*Witco Chem Co, 295 Madison Ave, N Y 17

AZOBENZENE

$C_6H_5.N:N.C_6H_5$. M.W. 182. Orange-red rhombic cryst. Sol. ethyl alcohol, ethyl ether, acetic acid, ligroin. Uses—dyestuff intermediate; in rubber accelerators.

*Bios Labs, 17 W 60 St, N Y 23
Republic Chem Corp, 94 Beekman St, N Y 38

AZOPHOR RED see p-Nitraniline, Red

AZURE BLUE see Cobalt Blue

AZURE BLUE see Smalt

AZURE COPPER see Copper Carbonate, Blue

BABBITT METAL

Alloy 69% Zn, 19% Sn, 4% Cu, 3% Sb, 5% Pb. Uses—in machining bearings. Tariff, Babbitt metal, solder, white metal, and other combinations containing lead, lead content, 2½¢ lb.

*Morris P Kirk & Son, 2717 S Indiana St, Los Angeles, Cal

BACITRACIN

Amorp. solid. Antibiotic of low allergenicity.

American Roland Corp, 16 Hudson St, N Y
Ben Venue Labs, 270 Northfield Rd, Bedford, Ohio
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*S B Penick & Co, 50 Church St, N Y 7
*U S Industrial Chem, 60 E 42 St, N Y

BACKWINDING COMPOUNDS, TEXTILE

Preps. for softening and lubricating yarns, particularly silk, so that they will knit readily. Used specially on full-fashioned and seamless knitting machines.

*Catalin Corp of America, 1 Park Ave, N Y 16
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*Nopco Chem Co, Logan & Davis St, Harrison, N J

BAHIA ARROWROOT see Tapioca Flour

BAKER'S SUGAR see Corn Sugar

BAKING SODA see Sodium Bicarbonate

BALSAM, CANADA (Balsam of Fir, Canada Turpentine)

Yellowish liq. pinelike odor. Derived from Abies, balsamica. Sp. gr. 0.983-0.997. Sol. ether, chloroform, benzene. Uses—mfr. lacquers, special adhesives for lenses, instruments, microscopes; in medicine. Grades—tech., (Abies balsamica).

Dodge & Olcott, 180 Varick St, N Y 14
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
P R Dreyer, 113 W 19 St, N Y
Frank G Fanning, 50 E 42 St, N Y 17
M O Grove & Co, 310 Sacramento St, San Francisco, Cal
Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa
*Magnus, Mabee & Reynard, 16 Debrosses St, N Y 13
*S B Penick & Co, 50 Church St, N Y 7
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Smith Crude Drug & Spice Corp, 101 Beekman St, N Y
George Uhe Co, 76 9 Ave, N Y 14

BALSAM CAPIVI see Balsam, Copaiba

BALSAM, COPAIBA (Jesuit's Balsam, Balsam Capivi, Copaiba Resin)

Light yellow to brownish-yellow liq. peculiar odor. Natural, sp. gr. 0.940-0.990. Saponification number 80-100. Acid number 75-100. Sol. alcohol, chloroform, ether, carbon disulfide, benzol, oil of turpentine. Uses—mfr. varnishes, lacquers, tracing cloth, transparent and tracing paper; brightening oil paintings; in medicine. Grades—U.S.P.; South American; tech.; clarified; Para.

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• PHENOBARBITAL
• PENTOBARBITAL SODIUM

Established 1929
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Gane's Chemical Works, Inc.
677 FIFTH AVENUE, NEW YORK 22, NEW YORK

BALSAM, COPAIBA, continued

Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
Dura Chem Co, 20 Vesey St, N Y 7
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Frederick D Keller & Son, 150 Nassau St, N Y 7
Geo Lueders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Debrosses St, N Y 13
*Meer Corp, 318 W 46 St, N Y 19
*S B Penick & Co, 50 Church St, N Y 7
Prentiss Drug & Chem Co, 110 William St, N Y 38
L Reusche & Co, 2-6 Lister Ave, Newark 5, N J
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Tombarel Products Corp, 12 E 22 St, N Y 10
George Uhe Co, 76 9 Ave, N Y 14

BALSAM OF FIR see Balsam, Canada

BALSAM, JESUIT'S see Balsam, Copaiba

BALSAM, PERUVIAN (Indian Balsam, China Oil, Black Balsam)

From Toluifera Pereirae (Royle) Boil. Comes from Central America (San Salvador) in forests near Pacific Coast. Composed of 50-60% cinnamein—esters of cinnamic and benzoic acid; about 28% styracine vanillin. Dark brown, viscid liq., pleasant aromatic odor; warm, bitter taste. Sp. gr. 1.150-1.170. Insol. water, olive oil; sol. alcohol, chloroform, glacial acetic acid. Uses—in medicine, perfumery, chocolate mfr., also, making of odors.

Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
Frank G Fanning, 50 E 42 St, N Y 17
Florasynth Labs, 1513 Olmstead Ave, N Y 61
W R Grace & Co, 7 Hanover Sq, N Y 5
Frederick D Keller & Son, 150 Nassau St, N Y 7
Geo Lueders & Co, 427 Washington St, N Y 13
*Julian W Lyon, 7 Dey St, N Y 7
*Magnus, Mabee & Reynard, 16 Debrosses St, N Y 13
*Meer Corp, 318 W 46 St, N Y 19
*S B Penick & Co, 50 Church St, N Y 7
Prentiss Drug & Chem Co, 110 William St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Tombarel Products Corp, 12 E 22 St, N Y 10
George Uhe Co, 76 9 Ave, N Y 14

BALUA TAPIOCA see Arrowroot

BANANA OIL see Amyl Acetate

BARAS CAMPHOR see Borneol

BARBERRY BARK

Bark of Berberis vulgaris. Habitat—Europe, North America. Uses—mfr. dye extracts, berberine, food confections; as preserve; increasing gloss and lustre of leathers; in medicine.

Dalton-Cooper, 200 W 34 St, N Y
*Meer Corp, 318 W 46 St, N Y 19
Herbert H Parker, 2 Broadway, N Y 4

BARBITAL see individual listings

BARBITURATES

*American-British Chem Supplies, 180 Madison Ave, N Y
J M Baird Co, 147 Nassau St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Benzol Products Co, 237 South St, Newark 25, N J
*Bios Labs, 17 W 60 St, N Y 23
European Chem Co, 366 Broadway, N Y 13
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
*Desmo Chem Corp, 565 5 Ave, N Y 17
*Fallek Products Co, 163 Broadway, N Y 6
*Gane's Chem Works, 677 5 Ave, N. Y 22
*Gane & Ingram, 43 W 16 St, N Y 11
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Kay-Fries Chem, 180 Madison Ave, N Y 16
*Lamex Chem Corp, 25 Broadway, N Y 4
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Sterone Corp, 250 W 57 St, N Y 19
*Sumner Chem Co, 6 E 45 St, N Y 17

BARIA HYDRIDE see Barium Hydroxide

BARITE see Barium Sulfate

BARIUM ACETATE

$Ba(C_2H_3O_2)_2H_2O$. M.W. 273.42. White, crystalline powd. Sp. gr. 2.19. Decomp. on heating. Sol. water; sl. sol. alcohol. Uses—mfr. acetates, acetone, verdigris; laboratory reagent; mordant in dyeing and printing textiles. Poisonous. Grades—tech.; C.P.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y

Baker
BARIUM ACETATE
REAGENT
Baker
J. T. BAKER CHEMICAL CO.
PHILLIPSBURG, N. J.
New York • Boston • Philadelphia • Los Angeles • Chicago • Toronto

*Company classifies itself as manufacturer or producer of this product

BARIUM CARBONATE

(Precipitated)

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BARIUM CHLORIDE
BARIUM STEARATE
BARIUM SULFIDE
SODIUM SULFIDE

●

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Glass Grade, Crystal
Pentahydrate, Flake
SODIUM POLYSULFIDE
84% Na_2S_4)
BARIUM NITRATE
BARIUM OXIDE
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ST LOUIS MO • LOS ANGELES CALIF • NEWARK CALIF

fmc

BARIUM ACETATE, continued

*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17

BARIUM BINOXIDE see Barium Peroxide

BARIUM BROMIDE

$BaBr_2.2H_2O$. M.W. 332.2. Colorless cryst., very poisonous. Sp. gr. 3.6. B.P., decomp. M.P. 120°C. Sol. water and methyl alcohol. Uses—mfr. of bromides.

J M Baird Co, 147 Nassau St, N Y
*Dow Chem Co, Midland, Mich
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

BARIUM CARBONATE (Witherite)

$BaCO_3$. White powd. Natural and mf. (The natural mineral called Witherite contains higher percentage of impurities than precipitated $BaCO_3$, and has a grayish-white or yellowish color.) Sol. acids. Uses—mfr. barium salts, dyes, pyrotechnics, optical glass, rat poisons, flat wall paints, cosmetics, beet sugar, tile, terracotta, porcelains, potteries: laboratory reagent; in steel and metal industry; to prevent scum and efflorescence in bricks, tile, sewer pipe, etc.; filler; paper, linoleum, rubber and soap filler; water purifier. Poisonous. Grades—natural (witherite); precipitated; C.P.; tech.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*Barium Reduction Corp, Drawer 1, S Charleston 3, W Va
Chem Mfg Co, 21 West St, N Y
Chem Products Corp, Cartersville, Ga
*Chicago Copper & Chem Co, 127 & Div Sts, Blue Island, Ill
*E I Du Pont de Nemours, & Co, Grasselli Chem Dept, Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
Frank G Fanning, 50 E 42 St, N Y 17
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
M W Hardy & Co, 141 Broadway, N Y 6
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Hummel Chem Co, 90 West St, N Y 6
International Selling Corp, 70 Pine St, N Y 5
Kingston Chem Co, 15 William St, N Y 5
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Legion Chem, 70 Wall St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
Philipp Bros Chem, 37 Wall St, N Y
Prior Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

BARIUM CHLORATE

$Ba(ClO_3)_2+H_2O$. Colorless prisms of powd. Sp. gr. 3.179. B.P. 414°C. Loses crystallization at 120°C. Sol. water. Uses—mfr. other chlorates, pyrotechnic and explosive compositions; mordant in dyeing and printing textiles. Grades—tech.; C.P.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Croton Chem Corp, 114 Liberty St, N Y 6
Hummel Chem Co, 90 West St, N Y 6
International Selling Corp, 70 Pine St, N Y 5
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Jos Turner & Co, Ridgefield, N J

BARIUM CHLORIDE

$BaCl_2.2H_2O$. Colorless, flat cryst. Sp. gr. 3.097. (24° C). M.P. 960°C. Sol. water; insol. alcohol. Uses—mfr. artificial barium sulfate, barium salts, color lakes, pyrotechnics, printing inks, insecticides, photographic chemicals, rat poisons, pigments, blanc fixe, boiler compounds, varnishes; laboratory reagent; tanning and finishing leather; in brass and metal industry; linoleum and paper filler; purifying sugar; mordant in dyeing and printing textiles; weighting textiles; water softener, in medicine. Grades—tech.; 99% cryst.; powdered; C.P.

Aceto Chem Co, 82 Beaver St, N Y 5
Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Barium Reduction Corp, Drawer 1, S Charleston 3, W Va

*Company classifies itself as manufacturer or producer of this product

CHEMICAL PRODUCTS CORPORATION

Cartersville, Georgia

MANUFACTURERS OF:

Barium Carbonate

Barium Chloride
Crystals and Anhydrous

Barium Sulfide (Black Ash)

Sodium Sulfide
Flake and Solid

Sodium Sulfhydrate
Liquid

Ammonium Sulfide
Liquid

MONOCHLOROBENZENE

ORTHO DICHLOROBENZENE

PARA DICHLOROBENZENE

BARIUM CHLORIDE, continued

Chematar Inc, Exchange Pl, N Y 5
Chem Mfg Co, 21 West St, N Y
*Chem Products Corp, Cartersville, Ga
John A Chew, 60 E 42 St, N Y 17
Cole Labs, 42-25 9 St, L I C 1, N Y
Continental Commodities Corp, 230 Park Ave, N Y 17
*E I Du Pont de Nemours, & Co, Grasselli Chem Dept, Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
Frank G Fanning, 50 E 42 St, N Y 17
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Hampden Color & Chem Co, 5 Albany St, Springfield, Mass
Howe & French, Mfg Dept, E Weymouth, Mass
Hummel Chem Co, 90 West St, N Y 6
Kingston Chem Co, 15 William St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Philipp Bros Chem, 37 Wall St, N Y
Prime Products Corp, 62 William St, N Y 5
Prior Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Ben P Steele Co, 342 Madison Ave, N Y 17
Robert I Webber Co, 52 Vanderbilt Ave, N Y 17
Welch, Holme & Clark Co, 439 West St, N Y 17

BARIUM CHROMATE (Lemon Chrome, Ultramarine Yellow, Baryta Yellow, Steinbuhl Yellow, Gelbin)

$BaCrO_4$. Yellow powd. or cryst. Sp. gr. 4.498. Sol. acids. Uses—mfr. safety match compositions; as pigment in water color paint and varnishes; discharge in printing fabrics; coloring ceramics, porcelains and glass. Grades—tech.; C.P.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y

BARIUM CYANIDE

$Ba(CN)_2$. Colorless cryst. M.P. 600°C. Sol. water, alcohol. Uses—metallurgical purposes. Poisonous. Grades—tech.

*City Chem Corp, 132 W 22 St, N Y 11
Hummel Chem Co, 90 West St, N Y 6

BARIUM DIOXIDE see Barium Peroxide

BARIUM FLUORIDE

BaF_2. White powd. Sp. gr. 4.828. M.P. 1280°C. Sol. acids, ammonium chloride solution; insol. water. Uses—mfr. embalming fluid, enamels for ceramics. Grades—tech.; C.P.

*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Henry Sundheimer Co, 103 Park Ave, N Y 17

BARIUM FLUOSILICATE

$BaSiF_6$. White powd. Very sl. sol. water. Uses—mfr. insecticides. Grades—tech.

J M Baird Co, 147 Nassau St, N Y
Faesy & Besthoff, 325 Spring St, N Y 13
Henry Sundheimer Co, 103 Park Ave, N Y 17

BARIUM HYDRATE see Barium Hydroxide

BARIUM HYDRIDE

*Metal Hydries, 16 Congress St, Beverley, Mass

BARIUM HYDROXIDE (Barium Hydrate, Caustic Baryta, Baria Hydride)

$Ba(OH)_2.8H_2O$. M.W. 315.5. White or sl. yellowish cryst. Sp. gr. 2.18. M.P. 78°C. B.P. 103°C. Sol. water, alcohol, ether. Uses—mfr. barium salts, boiler compounds, intermediates, organic chemicals; refining fats, oils and sugar; glass ingredient; water softener. Grades—tech., anhydrous powd. or cryst.; C.P.; U.S.P.

J M Baird Co, 147 Nassau St, N Y
*Baker & Adamson Products, 40 Rector St, N Y
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Faesy & Besthoff, 325 Spring St, N Y 13
Frank G Fanning, 50 E 42 St, N Y 17
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Prior Chem Corp, 420 Lexington Ave, N Y 17
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

BARIUM IODIDE

$BaI_2.2H_2O$. M.W. 427.23. Colorless, odorless, transparent cryst. or white granules. Poisonous. Sol. water; sl. sol. alcohol. Uses—preps of iodides; in medicine. medicine.

*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

BARIUM HYPOSULFITE see Barium Thiosulfate

BARIUM LANOLATE

*American Cholesterol Products, Middlesex Co, N J
J M Baird Co, 147 Nassau St, N Y
*N I Malmstrom & Co, 147 Lombardy St, Bklyn 22, N Y
Robinson, Wagner Co, 110 E 42 St, N Y 17

BARIUM (Metal)

Ba. White soft metal. At. No. 56. Sp. gr. 3.46. M.P. 850°C. B.P. 1140°C. Insol. cold water; sl. sol. hot water with formation of hydroxide; sol. acids, alkalies. Must be kept under oxygen-free oil, etc., to avoid oxidation. Sol. compounds are poisonous. Uses—mfr. barium salts, alloys.

American Firstoline Corp, 420 Lexington Ave, N Y
*Bram Chem Co, 820 65 Ave, Phila 26, Pa
City Chem Corp, 132 W 22 St, N Y 11
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17

BARIUM MONOSULFIDE see Barium Sulfide

BARIUM MONOXIDE see Barium Oxide

MILLMASTER

BARIUM HYDRATE
BARIUM OXIDE
BARIUM PENTAHYDRATE
BARIUM CHLORIDE
BARIUM NITRATE
STRONTIUM HYDRATE
STRONTIUM SULPHIDE
STRONTIUM PEROXIDE

MILLMASTER
CHEMICAL CORP.
420 Lexington Ave.
New York 17, N. Y.
Cable Address "Millmaster"

MILLMASTER

BARIUM NAPHTHENATE

M.W. about 600. 23% metal. Brown resinous solid Uses—lube oil additive; water-proofing agent.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Argus Chem Lab, 56 Clifton Pl, Bklyn 5, N Y
J M Baird Co, 147 Nassau St, N Y
Mathe Chem Co, 169 Milbank St, Lodi, N J
*Witco Chem Co, 295 Madison Ave, N Y 17

BARIUM NITRATE (Nitrobarite)

$Ba(NO_3)_2$. M.W. 261.38. Colorless or white cryst or powd. Sp. gr. 3.244 (23°C.). M.P. 592°C. Decomp. on further heating. Sol. water. Uses—mfr. barium salts, ceramic glazes, pyrotechnics, green fires, military explosives, blasting powd.; laboratory reagent; in medicine. Grades—cryst.; pulverized (97-99%); tech.; C.P.

American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
Croton Chem Corp, 114 Liberty St, N Y 6
*Davies Nitrate Co, 114 Liberty St, N Y
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
International Selling Corp, 70 Pine St, N Y 5
Irving M Sobin Co, 74 Granite St, Boston 10, Mass

BARIUM NITRATE

—also—

BARIUM OXIDE • BARIUM PEROXIDE
BARIUM HYDRATE
BARIUM CHLORATE • BARIUM CARBONATE

HUMMEL CHEMICAL COMPANY
INCORPORATED

90 WEST STREET NEW YORK 6, N. Y.
TELEPHONE: RECTOR 2-5687

*Company classifies itself as manufacturer or producer of this product

BARIUM NITRATE, continued

*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Hummel Chem Co, 90 West St, N Y 6
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Terra Chem, 801 2 Ave, N Y 17

BARIUM OXALATE

$BaC_2O_4.H_2O$. M.W. 225.38. Sp. gr. 2.66. White crystalline powd. Poisonous. L. Insol. water; sol. acid, ammonium, chloride.

Frank G Fanning, 50 E 42 St, N Y 17
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17

BARIUM OXIDE (Barium Monoxide, Barium Protoxide, Calcined Baryta)

BaO. White to yellowish white or gray powd. Sp. gr. 4.73-5.46. Decomp. on heating; decomp. water to form $Ba(OH)_2$. Sol. acids, water. Uses—mfr. barium salts, glass ceramics; refining beet sugar. Should be well stoppered. Grades—tech.; C.P.

*Barium Reduction Corp, Drawer 1, S Charleston 3, W Va
*Chicago Copper & Chem Co, 127 & Div Sts, Blue Island, Ill
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Prior Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

BARIUM OXIDE (Porous)

BaO. Specially prepared for drying and dehyrating gases, liq. and solids at temp. to 1000°C. Reacts violently on contact with water. Care should be exercised in handling. Available in lump form or granulated to various mesh sizes.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17

BARIUM PERCHLORATE

$Ba(ClO_4)_2$. M.W. 336.27. White crystalline material. L. M.P. 505°C. Sol. water, alcohol. Uses—dehydrating agent.

*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

BARIUM PERMANGANATE

$Ba(MnO_4)_2$. M.W. 375.3. Brownish violet crystals; sol. water. Uses—mfr. permanganates, pure permanganic acid; in research. It is more active and less stable than potassium permanganate.

*Carus Chem Co, Box 364, La Salle, Ill

BARIUM PEROXIDE (Barium Binoxide, Barium Dioxide)

BaO_2. Grayish-white powd. Cryst. have formula $BaO_2 \cdot 8H_2O$. Sp. gr. 4.958. M.P. 450°C. Sol. dilute alcohol, acids. Decomp. in water. Uses—mfr. barium salts, oxygen, in Brin's Process for hydrogen peroxide, green light, oxygenated water; primer in alumio-thermic welding; general bleaching agent; bleaching textiles; mordant in dyeing and printing fabrics. Grades—88-90%; tech.; C.P.

Frank G Fanning, 50 E 42 St, N Y 17
Hummel Chem Co, 90 West St, N Y 6
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Jos Turner & Co, Ridgefield, N J
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

BARIUM PROTOXIDE see Barium Oxide

BARIUM RICINOLEATE

$Ba[OOC(CH_2)_7CH{:}CHCH_2CHOH(CH_2)_5CH_3]_2$. M.W. 727. Moderately hard, waxy soap. Uses—compounding of waxes, greases, lubricants, gasket pastes.

*Argus Chem Lab, 56 Clifton Pl, Bklyn 5, N Y
*Baker Castor Oil Co, 120 Broadway, N Y 5
J M Baird Co, 147 Nassau St, N Y
*Leffingwell Chem Co, P O Box 191, Whittier, Cal

BARIUM STEARATE

$BaC_{17}H_{35}O_2$. White crystalline. Insol. alcohol. Uses—waterproofing purposes; packing for pumps for alkalies. Grades—tech.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Argus Chem Lab, 56 Clifton Pl, Bklyn 5, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
J M Baird Co, 147 Nassau St, N Y
*Chicago Copper & Chem Co, 127 Div Sts, Blue Island, Ill
Faesy & Besthoff, 325 Spring St, N Y 13
Frank G Fanning, 50 E 42 St, N Y 17
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Hawkins Co, 3100 E Hennepin Ave, Minneapolis 13, Minn

BARIUM STEARATE, continued

R B Huber, 216 Tremont St, Boston 16, Mass
Innis, Speiden & Co, 117 Liberty St, N Y 6
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*Leffingwell Chem Co, P O Box 191, Whittier, Cal
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Mathe Chem Co, 169 Milbank St, Lodi, N J
*Metasap Chem Co, Logan & Davis Sts, Harrison, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*M W Parsons-Plymouth, 59 Beekman St, N Y 38
Philipp Bros Chem, 37 Wall St, N Y
Prior Chem Corp, 420 Lexington Ave, N Y 17
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill
Jos Turner & Co, Ridgefield, N J
*Warwick Chem Co Div, Wood River Junction, R I
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*Witco Chem Co, 295 Madison Ave, N Y 17

BARIUM SULFATE (Barytes, Barite, Heavy Spar, Tiff) —see also Blanc Fixe

$BaSO_4$. White crystalline powd. and natural. Sp. gr. 4.25-4.5. Decomp. at 1580°C. Sol. conc. sulfuric acid; insol. alcohol, water, dilute acids. Uses—mfr. barium salts, blanc fixe, printing inks, white leathers, iridescent glass, glazer's putty, artificial ivory, ceramics; filler printing inks, leather dressings, linoleum, paints, varnish, textiles, rubber; cements; flux in copper smelting. Grades—bleached; ground; floated; natural barium sulfate.

Aceto Chem Co, 82 Beaver St, N Y 5
American-British Chem Supplies, 180 Madison Ave, N Y
American Cynanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*Baroid Sales Div, 830 Ducommun St, Los Angeles 12, Cal
Berlow & Schlosser Co, 401 Industrial Trust Blvd, Providence, R I
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Chem Mfg Co, 21 West St, N Y
*Chem Products Corp, Cartersville, Ga
John A Chew, 60 E 42 St, N Y 17
Charles B Chrystal Co, 53 Park Pl, N Y 7
Harry Dixon & Sons, 250 Park Ave, N Y 17
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Stanley Doggett, 75 Varick St, N Y 13
Downer, Hunnewell & Co, 131 State St, Boston 9, Mass
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
Frank G Fanning, 50 E 42 St, N Y 17
Filo Color & Chem Corp, 202 E 44 St, N Y
*Fougera & Co, 75 Varick St, N Y 13
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Hammill & Gillespie, 225 Broadway, N Y 7
*Edwin R Howell, 3478 Bewick Ave, Detroit, Mich
*Industrial Minerals, York, S C
*Industrial Minerals & Chem Co, 6 & Gilman Sts, Berkeley 10, Cal
Industrial Raw Materials Corp, 575 Madison Ave, N Y 22
Innis, Speiden & Co, 117 Liberty St, N Y 6
Kingston Chem Co, 15 William St, N Y 5
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Magnet Cove Barium Corp, Box 6504, Houston 5, Tex
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
*Metals Disintegrating Co, P O Box 290, Elizabeth, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
H N Richards Co, 1475 Prospect St, Trenton, N J
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Standard Ultramarine Co, 5 Ave & 24 St, Huntington, W Va
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Thompson, Weinman & Co, 52 Vanderbilt Ave, N Y 17
Charles A Wagner Co, 813 Gallowhill St, Phila 23, Pa
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*C K Williams & Co, 640 N 13 St, Easton, Pa
Witco Chem Co, 295 Madison Ave, N Y 17

BARIUM SULFATE, PRECIPITATED see Blanc Fixe

BARIUM SULFIDE (Barium Monosulfide)

BaS. Grayish-white powd., tech.—brownish-black powd. in lumps. Sp. gr. 4.25 (15°C). Infusible. Decomp. in water. Uses—mfr. barium salts, hydrogen sulfide gas, luminous paints; for producing rich shades of brown coloring on copper; vulcanizing rubber; weighting gutta percha; laboratory reagent; as depilatory. Grades—tech.; C.P.

BARIUM SULFIDE, continued

J T Baker Chem Co, Phillipsburg, N J
*Chicago Copper & Chem Co, 127 & Div Sts, Blue Island, Ill
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Republic Chem Corp, 94 Beekman St, N Y 38
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

BARIUM SULFITE

$BaSO_3$. White powd. Decomposes on heating. Sol. acids. Uses—mfr. paper; in catalytic chemical processes. Grades—tech.

*City Chem Corp, 132 W 22 St, N Y 11

BARIUM THIOSULFATE (Barium Hyposulfite)

$BaS_2O_3 + H_2O$. White crystalline powd. Sp. gr. 3.5. Sl. sol. water. Uses—mfr. luminous paints and varnishes, matches, explosives.

*J T Baker Chem Co, Phillipsburg, N J
*Titanium Alloy Div, 111 Broadway, N Y 6

BARIUM ZIRCONIUM SILICATE

*Titanium Alloy Div, 111 Broadway, N Y 6

BARREL-LINING COMPOUNDS

Products usually formulated from asphalt, certain forms of pure pitch or synth. resins suitable for lining the inside of barrels, beerbarrels or containers, ect., to prevent contamination, corrosion, etc. See also enamels, brewers; also pitch, brewers.

*American Anode, 60 Cherry St, Akron 8, Ohio
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*Thomas W Dunn Co, 340 Pearl St, N Y 38
*Paisley Products, 360 W 51 St, N Y
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Portland Gas & Coke Co, Public Service Bldg, Portland 4, Ore
*Zophar Mils, 116 26 St, Bklyn 32, N Y

BARYTA YELLOW see Barium Chromate

BARYTES see Barium Sulfate

BASES, ABSORPTION

*American Cholesterol Products, Middlesex Co, N J
Frank G Fanning, 50 E 42 St, N Y 17
*Goldschmidt Chem Corp, 153 Waverly Pl, N Y 14
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Innis, Speiden & Co, 117 Liberty St, N Y 6
*M Michel & Co, 90 Broad St, N Y 4

BASES, COLOR LAKE

Filo Color & Chem Corp, 202 E 44 St, N Y
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
Wm D Neuberg Co, 420 Lexington Ave, N Y 17
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

BASIC CARBONATE see Lead White

BASIC CUPRIC CHROMATE see Copper CHROMATE

BASIC IRON ACETATE see Ferric Acetate

BASIC MOLYBDATE see Ammonium Molybdate

BASTARD SAFFRON see Saffron, American

BATES, TANNING

Hides and skins are bated first, to remove the free and combined lime, and second, to reduce the swelling of the collagen fibres, caused by the lime, thereby restoring the hides and skins to the required degree of softness or flaccidity. Before the introduction of modern synth. bates, the most commonly used materials were hen, pigeon, and dog dungs. When hen or pigeon dung was used, the process was called bating, and when dog dung was used it was called puering. Value of dung for deliming and falling purposes was caused by its ammonium chloride content and presence of certain enzymes. Artificial bates are usually compounded with a suitable ammonium salt, pancreatic enzymes, and an inert filler.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Takamine Lab, 193 Arlington Ave, Clifton, N J
Wallerstein Co, 180 Madison Ave, N Y 16

BATTERY MANGANESE see Manganese Dioxide

*Company classifies itself as manufacturer or producer of this product

PORCEL Hard, highly adsorbent, large-surface-area activated bauxites utilizing either foreign or domestic ores. Supplied in various standard meshes, moisture contents, and in regular, low iron or low silica grades.

Recommended generally as an adsorbent, catalyst and catalyst carrier. Used widely as a lubricating oil and wax percolating medium, vapor phase desulphurization catalyst, aluminum chloride catalyst support and trap, refining medium for sugar liquors, and as an agent for the removal of fluoride contaminants from hydrocarbon streams.

ATTAPULGUS CLAY COMPANY
Sales Agents
210 West Washington Square, Philadelphia 5, Pa.
Cable Address: "ATTACLAYCO"

BAUXITE (Beauxite)

$Al_2O(OH)_4$. White to deep red amorp. Natural. Sp. gr. 2.4 to 2.5. Insol. water. Decomp. by HCl. Uses—mfr. corundum, artificial emery, abrasive papers and cloths, alum, alum cake, alumina, aluminum sulfate, aluminum hydroxide, refractories, aluminates, kiln linings; catalyst; paint and varnish filler; pigments; decolorizing and deodorizing petroleums; clarifying molasses.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Attapulgus Clay Co, 210 W Washington Sq, Phila, Pa
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Alfred D Brown Associates, 59 Pearl St, N Y 4
*Floridin Co, 200 Liberty St, Warren, Pa
Charles Gillam & Co, 25 Beaver St, N Y 4
*Paisley Products, 360 W 51 St, N Y
*Reynolds Metals Co, 19 E 47 St, N Y 17
Wah-Chang Corp, 233 Broadway, N Y 7

BEAUXITE see Bauxite

BENTONITE

Clay-like mineral of varying color and properties. Uses—foundry molding sand rejuvenator; oil-well drilling mud thickener and suspending agent; for stopping water seepage in dams, reservoirs and mines; clarification of drinking water supplies; purification of sewage and disposal wastes; laundry detergent and ingredient of soap and cleaning and polishing compounds; suspending and adhesive agents in insecticides; bond for refractory and acoustics insulation; ceramic bond; emulsifier for latex, asphalt and other water immiscible substances, wine clarifier; as a thickening paste-forming and suspending ingredient in pharmaceuticals and cosmetics; petroleum, animal and vegetable oil refining in natural and activated forms.

*American Colloid Co, Merchandise Mart Plaza, Chicago, Ill
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firestone Corp, 420 Lexington Ave, N Y
*Attapulgus Clay Co, 210 W Washington Sq, Phila, Pa
J M Baird Co, 147 Nassau St, N Y
Bartlett Chem, 1460 Peters St, New Orleans 13, La
S H Bell Co, 1514 Oliver Bldg, Pittsburgh 22, Pa
Braun Corp, 2260 E 15 St, Los Angeles 21 Cal
Chloral Chem Corp, 17 Lombardy St, Bklyn 22, N Y
Charles B Chrystal Co, 53 Park Pl, N Y 7
*Commercial Minerals Co, 310 Irwin St, San Francisco 7, Cal
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Stanley Doggett, 75 Varick St, N Y 13
Frank G Fanning, 50 E 42 St, N Y 17
*E Gumpert Co, 75 West St, N Y 6
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Hammill & Gillespie, 225 Broadway, N Y 7
Ideal Chem & Supply Co, P O Box 5597, Memphis 4, Tenn
Innis, Speiden & Co, 117 Liberty St, N Y 6
J A Kendall, 714 Second National Bldg, Akron 8, Ohio
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Paisley Products, 360 W 51 St, N Y
Philips & Jacobs, 620-22 Race St, Phila, Pa
Port Huron Detergent Co, 1320 2 St, Port Huron, Mich
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
L A Salomon & Bro, 216 Pearl St, N Y 38
Seaboard Industries, 195 Keen St, Paterson, N J
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y

BENTONITE, continued

Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J
Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
Warren-Douglas Chem, 1513 Burt St, Omaha 2, Neb
Welch, Holme & Clark Co, 439 West St, N Y 14
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
Witco Chem Co, 295 Madison Ave, N Y 17

BENZAL CHLORIDE (Benzylidene Chloride)

$C_6H_5CHCl_2$. M.W. 161.03. Colorless, oily liq. B.P. 207°C. Sp. gr. 1.51 at 15°C. Insol. in water, but sol. in organic solvents. Uses—mfr. of dyestuff intermediates and irritant gases for chemical warfare.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn

BENZALDEHYDE (Artificial Oil of Almonds, Benzoic Aldehyde, Benzoyl Hydride, Benzene Carbonal, Benzene Methylal)

$C_6H_5CH:O$. M.W. 106.05. Colorless liq., fragrant odor. Sp. gr. 1.045 (25°C). M.P. —56.0°C. B.P. 179.5°C. Sol. alcohol, ether. Uses—mfr. intermediates, synth. pharmaceuticals, benzoic acid, cinnamic aldehyde, triphenylmethane dyes, malachite green, acridine dyes, flavoring compounds, baked products, toilet preps., photographical chemicals; substitute for natural oil of bitter almonds; soap ingredient; in medicine. Grades—N.F.; tech.; free from chlorine.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firestone Corp, 420 Lexington Ave, N Y
J T Baker Chem Co, Phillipsburg, N J
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Benzol Products Co, 237 South St, Newark 25, N J
*Edward S Burke, 65 Pine St, N Y
Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Wm S Gray & Co, 342 Madison Ave, N Y 17
R W Greeff & Co, 16 Rockefeller Plaza, N Y 20
*Heyden Chem Corp, 290-300 River Dr, Garfield, N Y
Philip A Lo Bue Co, 230 Park Ave, N Y 17
Geo Lueders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Debrosses St, N Y 13
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Penray Corp, 340 Canal St, N Y 13
Polak & Schwartz, 667 Washington St, N Y 14
Republic Chem Corp, 94 Beekman St, N Y 38
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn
Tombarel Products Corp, 12 E 22 St, N Y 10
George Uhe Co, 76 9 Ave, N Y 14
*Verona Chem Co, 26 Verona Ave, Newark, N J
O J Weeks Co, 16 Hudson St, N Y 13

BENZAMIDE (Benzenecarbonamide, Benzoic Amide)

$C_6H_5CONH_2$. M.W. 121.06. White cryst. powd. M.P. 130°C. B.P. 290°C. Sol. water, alcohol.

*Eastern Chem Corp, 34 Spring St, Newark 2, N J

BENZAZINE see Quinoline

BENZAZOL see Indole

Highest Quality



COLLOIDAL BENTONITE

•

All Commercial Forms

•

Granules to Airfloated Powders



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Mississippi • Non-Swelling

BC Volclay
Impalpable Dust—
Finest Made

KWK Volclay Pellets
Quickly Dispersible in Water

American Colloid Company
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Merchandise Mart Plaza
Chicago 54
Illinois

*Company classifies itself as manufacturer or producer of this product

BHC

"ETHYL" (TRADE-MARK) BENZENE HEXACHLORIDE (TECHNICAL) — ETHYL CORPORATION

12-14% Gamma

•

Finely Flaked

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Manufactured at Baton Rouge, Louisiana

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Heyden

BENZALDEHYDE

N.F. (F.F.C.) and TECHNICAL

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BENZOYL CHLORIDE
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BENZOATES
BENZOIC ACID
CHLOROTOLUENES

CHLORO and DICHLORO DERIVATIVES

FINE HEYDEN CHEMICALS

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BENZENE see **Benzol**

BENZENECARBON NITRILE see **Benzonitrile**

BENZENE CARBONAL see **Benzaldehyde**

BENZENE CHLORIDE see **Monochlorobenzene**

BENZENE DIBROMIDE see **p-Dibromobenzene**

1,2-BENZENE DICARBONYL CHLORIDE see **Phthalyl Chloride**

BENZENE DICHLORIDE see **Dichlorobenzene (Mixed)**

1,2-BENZENEDIOL see **Pyrocatechol**

1,3-BENZENEDIOL see **Resorcinol**

BENZENE HEXACHLORIDE (1,2,3,4,5,6-Hexachlorocyclohexane)

$C_6H_6Cl_6$. M.W. 290.87. White to gray-white crushed solid and powder. Grades—technical, various strengths gamma isomer—min. Uses—insecticides.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
Allied Raw Materials, 38 Park Row, N Y 7
American Firestone Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
Ashcraft-Wilkinson Co, 601 Trust Co of Ga Bldg, Atlanta 3, Ga
Barclay Chem Co, 75 Varick St, N Y
J M Baird Co, 147 Nassau St, N Y
S H Bell Co, 1514 Oliver Bldg, Pittsburgh 22, Pa
F M Browning Co, 150 Broadway, N Y 38
*California Spray-Chem Corp, Lucas & Ortho Way, Richmond, Cal
Chapman Chem Co, 707 Dermon Bldg, Memphis, Tenn
Chem Insecticide Corp, 57 13 St, Bklyn 15, N Y
Chem Mfg Co, 21 West St, N Y
John A Chew, 60 E 42 St, N Y 17
Chipman Chem Co, Bound Brook, N J
*Colorado Fuel & Iron Corp, Continental Oil Bldg, Denver, Col
*Commercial Solvents Corp, 17 E 42 St, New York 17 N Y
Conray Products, 510 6 Ave, N Y 11
De Bear Inc, 636 11 Ave, N Y 19
*Dow Chem Co, Midland, Mich
Duff Chem Co, 342 Madison Ave, N Y 17
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Ethyl Corp, 100 Park Ave, N Y 17
Faesy & Besthoff, 325 Spring St, N Y 13
Fallek Products Co, 163 Broadway, N Y 6
Florida Agricultural Supply Co, 1611 Talleyrand Ave, Jacksonville, Fla
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Heckathorn & Co, 641 S 4 St, Richmond 3, Cal
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
International Selling Corp, 70 Pine St, N Y 5
Kipler Chem Co, P O Box 770, Harlingen, Tex
*Kolker Chem Works, 80 Lister Ave, Newark 5, N J
Lack Chem Co, 19 Park Pl, N Y 7
Mackim Products Co, 1775 Broadway, N Y 19
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Miller Chem & Fertilizer Corp, 1000 S Caroline St, Baltimore 31, Md
*Montrose Chem Co, 120 Lister Ave, Newark 5, N J
Mutchler Chem Co, 258 Broadway, N Y 7
Nash Chem Co, Box 596, Belle Glade, Fla
Chas Page & Co, 50 E 42 St, N Y 17
*S B Penick & Co, 50 Church St, N Y 7
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
*Phipps Products Corp, 30 Huntington Ave, Boston 16, Mass
*Pittsburgh Coke & Chem Co, 1905 Grant Bldg, Pittsburgh 30, Pa
John Powell & Co, 1 Park Ave, N Y 16
Republic Chem Corp, 94 Beekman St, N Y 38
Riverdale Chem Co, 324 E 147 St, Harvey, Ill
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Ben P Steele Co, 342 Madison Ave, N Y 17
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Tuteur Bio-Chem, 60 Wall St, N Y 5
George Uhe Co, 76 9 Ave, N Y 14
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

BENZENE HEXAHYDRIDE see **Cyclohexane**

BENZENE METHYLAL see **Benzaldehyde**

*Company classifies itself as manufacturer or producer of this product

BENZENE HEXACHLORIDE
FORMULATED AS "TRI-6"*

TRI-6 WE-10	0.8 GAMMA ISOMER	BHC per GALLON
TRI-6 50 W	5% GAMMA ISOMER	BHC per GALLON
TRI-6 120 W	12% GAMMA ISOMER	BHC per GALLON

*Trademark Registered

THOMPSON-HAYWARD CHEMICAL COMPANY



KANSAS CITY 8, MISSOURI

Minneapolis, Oklahoma City, San Antonio, N. Little Rock, Des Moines, Davenport, New Orleans, St. Louis, Dallas, Wichita, Memphis, Houston, Chicago, Omaha, Denver, Tulsa

BENZENE SULFONIC CHLORIDE see Benzene Sulfonyl Chloride

BENZENE SULFONYL CHLORIDE (Benzene Sulfonic Chloride)

$C_6H_5SO_2Cl$. M.W. 173.57. Amber-colored liq. Uses—prep. of benzenesulfonic acid esters and amides; intermediate in prep. of dyestuffs, pharmaceuticals, resins.

BENZENE TETRAHYDRIDE see Cyclohexene

BENZENETRIOL DIHYDROXYPHENOL see Phloroglucinol

BENZENONE see Quinone

BENZHYDROL

$C_6H_5CHOHC_6H_5$. M.W. 184.2. Colorless to pale yellow crystalline solid. Uses—intermediate in organic synthesis, prep. of antihistamines, prep. of sesickness preps., preservative.

*Bios Labs, 17 W 60 St, N Y 23
*Trubek Labs, State Hway Rt 17, E Rutherford, N J

BENZIDAM see Aniline

BENZIDINE (Benzidine Base, p-Diaminodiphenyl, Bianiline)

$(C_6H_4)_2(NH_2)_2$. M.W. 184.11. White or reddish-gray cryst. or powd. M.P. 128.7°C. Sol. alcohol, ther, sl. sol. water. Uses—mfr. intermediates, organic chemicals, synth. drugs and perfumes, diazo colors and benzidines; as blood detector; stain in microscopy. Grades—tech. pasta; powd., 80-85% (sold on basis of 100%).

Amend Drug & Chem Co, 117-119 E 24 St, N Y
J T Baker Chem Co, Phillipsburg, N J
Fallek Products Co, 163 Broadway, N Y 6
Fisher Chem Co, 60 E 42 St, N Y 17
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*National Aniline Div, 40 Rector St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38
L L Rona & Co, 40 Exchange Pl, N Y 5
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y
Sterone Corp, 250 W 57 St, N Y 19

BENZIDINE BASE see Benzidine

BENZIDINE HYDROCHLORIDE

$C_{12}H_{12}N_2{\cdot}2HCl$. M.W. 257.04. White cryst. Sol. alcohol, water. Uses—quantative determination of sulfates; reagent for metals; blood detection.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*American Quinine Co, 15 William St, N Y
J T Baker Chem Co, Phillipsburg, N J
J H Bauminger, 421 7 Ave, N Y
*Carwin Co, Stiles Lane, N Haven, Conn
*Fine Organics, 211 E 19 St, N Y 3
Kingston Chem Co, 15 William St, N Y 5
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y
Jos Turner & Co, Ridgefield, N J

BENZIDINE SULFATE (p-Diaminodiphenyl Sulfate)

$C_{12}H_{12}N_2H_2SO_4$. White crystalline powd. Sol. alcohol, ether; sl. sol. water. Uses—mfr. intermediates, synth. drugs, perfumes and dyes. Grades—tech.; paste.

*Carwin Co, Stiles Lane, N Haven, Conn

BENZINE (Petroleum Ether, Benzoline, Petroleum Naphtha, Canadol, Benzinum Purification)

Mixture of hydrocarbons, principally CH. Colorless liq. Sp. gr. tech. 0.730-0.750 (15°C.). B.P. tech. 80°-130°C. Sol. alcohol, benzene, chloroform, ether; insol. water. Uses—mfr. detergent soaps, printing and lithographic inks, rubber cements, paint and varnish removers; extracting perfumes; general solvent; solvent for oils, fats, greases, inks, rubber; extracting fats and oils; diluent in varnishes, paints and lacquers; linoleum and oil-cloth water-proofing agent; degreasing and cleaning textiles; as fuel and illuminant; degreasing machines and hides; cleaning gloves, etc. Grades—C.P.; U.S.P.; tech.; pure.

*American Mineral Spirits Co, 155 E 44 St, N Y 17
J M Baird Co, 147 Nassau St, N Y
C P Chem Solvents, 60 Park Pl, Newark 2, N J
C B Coburn Co, 63 Market St, Lowell, Mass
Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 7, Mo
Charles L Read & Co, 120 Greenwich St, N Y 6
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

BENZINOFORM see Carbon Tetrachloride

BENZINUM PURIFICATION see Benzine

BENZOCAINE see Ethyl p-Aminobenzoate

BENZOCARBONYL CHLORIDE see Benzoyl Chloride

BENZOFURANE RESIN see p-Coumarone

BENZOIC ALDEHYDE see Benzaldehyde

BENZOIC ANHYDRIDE

$(C_6H_5CO)_2O$. M.W. 226.08. White cryst. powd. with faint odor. M.P. 43°C. Sol. alcohol, ether, toluene. Uses—as benzoylating agent in mfr. of dyes and pharmaceuticals.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
J M Baird Co, 147 Nassau St, N Y
*Fine Organics, 211 E 19 St, N Y 3

BENZOIC ETHER see Ethyl Benzoate

BENZOIN

$C_6H_5COCHOHC_6H_5$. M.W. 212. Uses—preservative

J M Baird Co, 147 Nassau St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Benzol Products Co, 237 South St, Newark 25, N J
*Bios Labs, 17 W 60 St, N Y 23
*Edward S Burke, 65 Pine St, N Y
*Fairmont Chem Co, 600 Ferry St, Newark 5, N J
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Novadel-Agene Corp, Lucidol Div, 1740 Military Rd, Buffalo 5, N Y
Tombarel Products Corp, 12 E 22 St, N Y 10

BENZOIN RESIN see Gum, Benzoin

a-BENZOINOXIME (Cupron)

White cryst. M.P. 153-155°C. Uses—reagent.

*Bios Labs, 17 W 60 St, N Y 23
*Fairmont Chem Co, 600 Ferry St, Newark 5, N J
*Fine Organics, 211 E 19 St, N Y 3

BENZOL (Benzene, Coal Naphtha, Phenyl Hydride, Cyclohexatriene, Pheno)

C_6H_6. M.W. 78.05. Colorless liq. Sp.gr. 0.879 (20° C). M.P. 5.4°C. Flash point 15°C. B.P. 79.6°C. Sol. alcohol, ether; insol. water. Color, min., 2I saybolt. Uses—mfr. phenol, nitrobenzene, synth. drugs and perfumes, phenacetin, antipyrin, salicylic acid, saccharin, intermediates, organic chemicals, indigo dyes, picric acid, shoe polishes, blackings, spreading compounds, splicing solutions, dry cleaning preps., paint removers, airplane dopes, varnishes, lacquers, photographic developers, rubber cements, textile soaps; cleansing textiles; preserving textile sizes; as solvent for and extracting waxes, resins, fats and oils; solvent ink, celluloid and rubber; enriching gas; in cements; degreasing glue stock; solvent in making

BENZIDINE HCl

The Carwin Company specializes in the manufacture of quality intermediates.

Other products include:

Benzidine HCl	Anthranilic Acid
Dichlorbenzidine HCl	Beta hydroxy naphthoic acid
Dianisidine Sulphate	Para hydroxy benzoic acid
Dianisidine Base	Quinizarin
Tolidine HCl	Phthalimide

THE CARWIN COMPANY NO. HAVEN, CONN.

Phone: New Haven 2-2161



BENZENESULFONYL CHLORIDE • BENZENESULFONAMIDE
N-ALKYL AND N, N-DIALKYL BENZENESULFONAMIDES
MONOCHLORAMINE B • AROMATIC SULFONIC ACIDS
ESTERS OF BENZENESULFONIC ACID

Samples and data available upon request

Wyandotte REG. U. S. PAT. OFF.

WYANDOTTE CHEMICALS CORPORATION
WYANDOTTE, MICHIGAN • OFFICES IN PRINCIPAL CITIES

Soda Ash • Caustic Soda • Bicarbonate of Soda • Calcium Chloride
Calcium Carbonate • Chlorine • Hydrogen • Dry Ice • Synthetic Detergents • Glycols • Carbose (Sodium CMC) • Ethylene Dichloride • Propylene Dichloride • Aromatic Sulfonic Acid Derivatives
Other Organic and Inorganic Chemicals

*Company classifies itself as manufacturer or producer of this product

BENZOL

Toluol • Xylol • Hi-Flash Solvent
and other
Coal-Tar Distillates

THE BARRETT DIVISION
Allied Chemical & Dye Corporation
40 Rector St., New York 6, N. Y.

Barrett*

*Reg. U.S. Pat. Off.

BENZOL

ALL GRADES AND OTHER CHEMICALS, SOLVENTS AND COAL TAR PRODUCTS

REPUBLIC CHEMICAL CORP.
94 Beekman Street, New York 38
Cable Address: Jaynivrad

BENZOL, continued

artificial leather; as disinfectant; engraving and lithography; knock inhibitor in gasoline; in medicine. Grades—pure; 90% (distilling below 100°C) crude; straw color; C.P.; U.S.P.

Aceto Chem Co, 82 Beaver St, N Y 5
*Alabama By-Products Corp, P O Box 354, Birmingham, Ala
American-British Chem Supplies, 180 Madison Ave, N Y
American Quinine Co, 15 William St, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
S H Bell Co, 1514 Oliver Bldg, Pittsburgh 22, Pa
Bell Chem Co, 25 W 44 St, N Y 18
Bendix Chem Corp, 420 Lexington Ave, N Y
Benzol Distributors, Georges Rd & Penn RR, Dayton, N J
Bergstrom Trading Co, 233 Broadway, N Y
*Bethlehem Steel Co, 701 E 3 St, Bethlehem, Pa
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Calco Chem Div, Bound Brook, N J
Central Solvents & Chem Co, 2545 W Congress St, Chicago 12, Ill
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
Cole Labs, 42-25 9 St, L I C 1, N Y
*Colorado Fuel & Iron Corp, Continental Oil Bldg, Denver, Col

BENZOL, continued

Commerce Petroleum Co, 2980 Archer Ave, Chicago 8, Ill
Conray Products, 510 6 Ave, N Y 11
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Donner-Hanna Coke Corp, Box A, S Park Sta, Buffalo 20, N Y
Elbert & Co, 2 Broadway, N Y
Gaflard Schlesinger Chem Co, 92 Liberty St, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Wm S Gray & Co, 342 Madison Ave, N Y 17
*Indoil Chem Co, 910 S Michigan Ave, Chicago 80, Ill
Interlake Iron Corp, 1900 Union Commerce Bldg, Cleveland 14, Ohio
International Selling Corp, 70 Pine St, N Y 5
J & L Steel Barrel Co, 311 Rose St, Pittsburgh 30, Pa
Jones & Loughlin Steel Co, 3 Ave & Roff St, Pittsburgh 3, Pa
Kingston Chem Co, 15 William St, N Y 5
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
L J & M La Place, Leliarts Lane, E Paterson, N J
*Lewis Co, 232 Canal St, N Y 13
Mackim Products Co, 1775 Broadway, N Y 19
*Milwaukee Solvay Coke Co, 311 E Greenfield Ave, Milwaukee, Wis
Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 7, Mo
Mutchler Chem Co, 258 Broadway, N Y 7

U·S·S Benzol

Nitration Grade
A.S.T.M. Specification D835-47

Two Degree
A.S.T.M. Specification D836-47

Tank-car quantities

UNITED STATES STEEL COMPANY
525 WILLIAM PENN PLACE, PITTSBURGH 30, PA.

COAL CHEMICALS

UNITED STATES STEEL

BENZOL, continued

*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
Nitrogen Products, 450 7 Ave, N Y 1
*Oil & Chem Products, 295 Madison Ave, N Y 17
Chas Page & Co, 50 E 42 St, N Y 17
*Pan American Refining Corp, 122 E 42 St, N Y 17
Phillips & Jacobs, 620-22 Race St, Phila, Pa
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
*Pittsburgh Coke & Chem Co, 1905 Grant Bldg, Pittsburgh 30, Pa
Plastichemicals Co, 1 Beekman St, N Y 38
*Portland Gas & Coke Co, Public Service Bldg, Portland 4, Ore
Charles L Read & Co, 120 Greenwich St, N Y 6
Reinhart Chem Corp, 405 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Seaboard Industries, 195 Keen St, Paterson, N J
George Senn, 2200 E Westmoreland St, Phila 34, Pa
*Shell Oil Co, 50 W 50 St, N Y 20
*Sloss-Sheffield Steel & Iron Co, 3131 1 Ave, N Birmingham 2, Ala
J U Starkweather Co, 241 Allens Ave, Providence, R I
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
Tar Residuals, 420 Lexington Ave, N Y 17
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*U S Steel Corp, Coal Chem Sales Div, 525 Wm Penn Pl, Pittsburgh 30, Pa
*Wheeling Steel Corp, Wheeling, W Va

BENZOLINE see Benzine

BENZONAPHTHOL

(b-Napthol benzoate) $C_6H_5COOC_{10}H_7$: M.W. 248.09; White crystalline powd., odorless, tasteless, darkens with age; M.P. 110°C Sol. freely in hot alcohol, chloroform; almost insol. in water. Uses—in medicine.

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
Fallek Products Co, 163 Broadway, N Y 6
*Fine Organics, 211 E 19 St, N Y 3
Legion Chem, 70 Wall St, N Y 5
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Nepera International Corp, 37 Wall St, N Y 5

BENZONITRILE (Phenyl Cyanide, Cyanbenzene, Benzenecarbon Nitrile)

C_6H_5CN. M.P.—131°C. Colorless or sl. yellowish, inflammable liq., odor of oil of almonds. Sp. gr. 1.00. B.P. 190°C. Uses—in organic synthesis.

*Bios Labs, 17 W 60 St, N Y 23

BENZOPHENONE (Diphenyl Ketone, Benzoylbenzene)

$C_6H_5CO.C_6H_5$. Colorless prisms. Sp. gr. 1.098 (50°C.). M.P. 48°C. B.P. 306°C. Sol. alcohol, ether. Uses—mfr. intermediates, synthesis drugs, perfumes and dyes; in medicine. Grades—tech.

*American-British Chem Supplies, 180 Madison Ave, N Y
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Kay-Fries Chem, 180 Madison Ave, N Y 16
Polak & Schwartz, 667 Washington St, N Y 14
*Trubek Labs, State Hway Rt 17, E Rutherford, N J
*Verona Chem Co, 26 Verona Ave, Newark, N J

BENZOPHENONE OXIDE see Xanthone

BENZOPYRONE see Coumarin

BENZOPYRROL see Indole

BENZOQUINOLINE

*Bios Labs, 17 W 60 St, N Y 23

BENZOQUINONE see Quinone

BENZOTRIAZOLE

White to off-white fluffy powd. Uses—synthesis; analytical reagent for copper; anti-fogging agent in photography.

*Bios Labs, 17 W 60 St, N Y 23
*Edwal Labs, Ringwood, Ill
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
Philip A Hunt Co, Palisades Park, N J
Phillips & Jacobs, 620-22 Race St, Phila, Pa
L B Russell Chem, 60 Orange St, Bloomfield, N J

BENZOTRICHLORIDE (Phenylchloroform)

$C_6H_5C.Cl_3$. M.P. —4.8°C. Colorless to light yellow liq. having a pungent odor. Sp. gr. 1.375-1.385 at 15½°/15½°C. Uses—organic syntheses.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y

*Company classifies itself as manufacturer or producer of this product

BENZOTRICHLORIDE, continued

*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn

BENZOTRIFLUORIDE (a-Trifluorotoluene, Phenyl Fluoroform)

$C_6H_5CF_3$. M.W. 146. Water-white liq. aromatic odor. Completely miscible with most solvents. Uses—intermediates, transformer and dielectric fluids; medicinals; insecticides; other organic synth.

*Blos Labs, 17 W 60 St, N Y 23
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y

BENZOYLBENZENE see Benzophenone

BENZOYL CHLORIDE (Benzocarbonyl Chloride, Chlorobenzaldehyde)

C_6H_5COCl. M.W. 140.5. Colorless prisms. Sp.gr. 1.211. M.P. —0.5°C. B.P. 198°C. Sol. ether, carbon disulfide. Decomp. water, alcohol. Uses—mfr. intermediates, synth. drugs and perfumes, condensation products with indigo. Grades—tech.: pure; redistilled; C.P.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
J T Baker Chem Co, Phillipsburg, N J
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn

BENZOYL HYDRIDE see Benzaldehyde

BENZOYL PEROXIDE (Benzoyl Superoxide, Lucidol)

$C_{14}H_{10}O_4$. White, crystalline powd. M.P. 105°C. Sol. benzene, alcohol; sl. sol. ether. Uses—mfr. organic chemicals; as bleaching agent for flour, fats, oils and waxes; in medicine. Grades—80% paste.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
J M Baird Co, 147 Nassau St, N Y
*Cadet Chem Corp, 205 Chicago St, Buffalo 5, N Y
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
McKesson & Robbins, 155 E 44 St, N Y 17
*Novadel-Agene Corp, Lucidol Div, 1740 Military Rd, Buffalo 5, N Y

BENZOYL SUPEROXIDE see Benzoyl Peroxide

BENZYL ACETATE

$C_9H_{10}O_2$. M.W. 150.08. Colorless liq., flowery odor. Sp. gr. 1.057 (16°C). B.P. 213.5°C. Sol. alcohol, ether; very sl. sol. water. Uses—mfr. fruit essences, perfumes, toilet preps., cosmetics, fine toilet soaps, cellulose acetate, nitrate; as solvent in airplane dopes. Grades—tech.: pure.

*American-British Chem Supplies, 180 Madison Ave, N Y
Cole Labs, 42-25 9 St, L I C 1, N Y
*Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Gane & Ingram, 43 W 16 St, N Y 11
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Geo Lueders & Co, 427 Washington St, N Y 13
*Kay-Fries Chem, 180 Madison Ave, N Y 16
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
Polak & Schwartz, 667 Washington St, N Y 14
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

BENZYLBENZENE see Diphenyl Methane

BENZYL BENZOATE

$C_6H_5COOC_6H_5CH_2$. M.W. 212.09. Colorless liq., pleasant odor. Sp. gr. 1.083-1.12 (25°C). M.P. 18.3° C. B.P. 324°C. Sol. alcohol, ether. Uses—fixative for flavors; solvent for dopes and artificial musk; neutral fixative; substitute for camphor in celluloid and plastic pyroxylin compounds; flavor in confectionery and chewing gums; in medicine. Grades—tech.; pure. (medicinal).

*American-British Chem Supplies, 180 Madison Ave, N Y
Philipp Bauer Co, 2 W 47 St, N Y
*Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Gane & Ingram, 43 W 16 St, N Y 11
*Givaudan-Delawanna, 330 W 42 St, N Y 18
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Kay-Fries Chem, 180 Madison Ave, N Y 16
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Montrose Chem Co, 120 Lister Ave, Newark 5, N J
Mutchler Chem Co, 258 Broadway, N Y 7
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
*S B Penick & Co, 50 Church St, N Y 7
Polak & Schwartz, 667 Washington St, N Y 14

MONSANTO
BENZYL CHLORIDE

Standard Forms: Liquid, anhydrous; liquid stabilized with added 10% Na_2CO_3 solution.

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division,
St. Louis 4, Missouri

SERVING INDUSTRY . . . WHICH SERVES MANKIND

MONSANTO
CHEMICALS – PLASTICS

BENZYL BENZOATE, continued

*Seydel Chem Co, 225 Mercer St, Jersey City 2, N J
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

BENZYL BUTYRATE

$C_3H_7CH_2CO_2CH_2C_6H_5$. Colorless liq. Insol. water; very sol. alcohol, ether.

Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Geo Lueders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*Maywood Chem Works, Maywood, N J
Polak & Schwartz, 667 Washington St, N Y 14
*Verona Chem Co, 26 Verona Ave, Newark, N J

BENZYL CARBINOL see Alcohol, Phenyl Ethyl

o-BENZYL-p-CHLOROPHENOL

$C_6H_5CH_2C_6H_4ClOH$. M.W. 218.7. Colorless, crystalline solid. Uses—mfr. of disinfectants.

*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo

BENZYL CHLORIDE (Chlorotoluene, Chlorotoluol)

$C_6H_5CH_2Cl$. M.W. 126.51. Colorless liq., unpleasant odor. Sp. gr. 1.103 (18°C). M.P. —39°C. B.P. 179.4°C. Sol. alcohol, chloroform, ether; insol. water. Uses—mfr. intermediates, organic chemicals, benzaldehyde; benzoic acid, esters, salts, perfume esters, synth. drugs, basic dyes, photographic developers, artificial resins; in medicine. Grades—tech. 95%; redistilled; C.P.

J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Benzol Products Co, 237 South St, Newark 25, N J
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
George F Smith, 60 E 42 St, N Y 17
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn

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MONSANTO
BENZYL BENZOATE, U.S.P.

Essentially colorless liquid having pleasant odor; crystallizing point, 18.3°C. min.; specific gravity at 25°/25°C., 1.116-1.120; chlorine content, 0.04% max.

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division
St. Louis 4, Mo.

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MONSANTO
CHEMICALS – PLASTICS

*Company classifies itself as manufacturer or producer of this product

BENZYL CINNAMATE

$C_6H_5CO_2$. $C_{17}H_{17}$; mol. wt. 238.11; white cryst.; aromatic odor. M.P. 39° Sol. in alcohol; insol. in water. Uses—artificial flavors; in perfumes.

American Roland Corp, 16 Hudson St, N Y
*Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Geo Lueders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

BENZYL CYANIDE (Benzylnitrile, Phenyl Acetonitrile, α-Tolunitrile)

$C_6H_5CH_2CN$. M.W. 117.14. Colorless to amber liq.; aromatic odor. B.P. 234°C. Uses—intermediate in mfr. of fine organic chemicals.

*American-British Chem Supplies, 180 Madison Ave, N Y
*Edward S Burke, 65 Pine St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Kay-Fries Chem, 180 Madison Ave, N Y 16
*Trubek Labs, State Hway Rt 17, Rutherford, N J

BENZYL ETHER see Ether, Dibenzyl

BENZYL FORMATE

$HCO_2.CH_2.C_6H_5$. M.W. 136.06. Colorless liquid. Sol. alcohol; miscible ether; insol. water. Sp. gr. 1.081. B.P. 203°.

Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Geo Lueders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*Maywood Chem Works, Maywood, N J
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

BENZYL p-Hydroxy Benzoate

$HO.C_6H_4CO_2C_7H_7$. White powd. M.P. 110°. Sol. alcohol, ether; insol. water.

*Goldschmidt Chem Corp, 153 Waverly Pl, N Y 14
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

BENZYLIDENE CHLORIDE see Benzal Chloride

BENZYLNITRILE see Benzyl Cyanide

o-BENZYLPHENOL

*Attapulgus Clay Co, 210 W Washington Sq, Phila, Pa
*Lamex Chem Corp, 25 Broadway, N Y 4

p-BENZYLPHENOL

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

BENZYL PROPIONATE

$C_6H_5CH_2OOC.C_2H_5$. M.W. 164 Colorless liq. Uses—jasmine compounds.

Dodge & Olcott, 180 Varick St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Geo Lueders & Co, 427 Washington St, N Y 13
*Maywood Chem Works, Maywood, N J
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

BENZYL SALICYLATE

HO. C_6H_4. CO_2CH_2. C_6H_5. M.W. 228.10; Colorless, thick, liq., slight, pleasant odor. Sp. gr. 1.175^{30}. B.P. 208°C. Sl. sol. in water; miscible with alcohol or ether. Uses—as fixer in perfumery; in "sun screen."

Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
Polak & Schwartz, 667 Washington St, N Y 14
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

BENZYL SUCCINATE

$C_7H_7O_2C(CH_2)_2COOH$. M.W. 208.22. Crystalline solid. Sol. alcohol, ether; insol. water. M.P. 59°C. Uses—in medicine as antispasmodic.

Florasynth Labs, 1513 Olmstead Ave, N Y 61
Polak & Schwartz, 667 Washington St, N Y 14
*Seydel Chem Co, 225 Mercer St, Jersey City 2, N J

BENZYL SULFIDE (Dibenzyl Sulfide)

$(CH_2.C_6H_5)_2S$. M.W. 214.17. Colorless plates. M.P. 49°C. Insol. water; sol. alcohol, ether.

*Bios Labs, 17 W 60 St, N Y 23

BENZYL THIOCYANATE

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y

BENZYLTRIMETHYLAMMONIUM CHLORIDE

$C_6H_5CH_2(CH_3)_3NCl$. M.W. 196. Sol. water. Uses—catalyst in resin mfr.

*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Rohm & Haas Co, Washington Sq, Phila 5, Pa

BERYL (Beryllium Aluminum Silicate)

A mineral, $3BeO.Al_2O_3.6SiO_2$; hex. grn. Sp. gr. 2.63-2.91; hardens 7.5-8.0; M.P. 1410°C. ±100. Uses—mfr. beryllium and beryllium salts, gem stones (emerald).

Greene Trading Co, 60 Wall St, N Y 5
Wah-Chang Corp, 233 Broadway, N Y 7

BERYLLIUM (Metal)

Be. Non-corrodible, grayish-black metal in hexagonal cryst. Related to magnesium group. Sp. gr. 1.85 (20° C). M.P. 1350°C. Sol. acids, alkalies. Uses—mfr. alloys to impart strength and hardness, particularly aluminum alloys; mfr. beryllium salts.

*Bios Labs, 17 W 60 St, N Y 23
*Bram Chem Co, 820 65 Ave, Phila 26, Pa
*Brush Beryllium Co, 4301 Perkins Ave, Cleveland 3, Ohio
City Chem Corp, 132 W 22 St, N Y 11
Millmaster Chem Corp, 420 Lexington Ave, N Y 17

BERYLLIUM ALUMINUM SILICATE see Beryl

BERYLLIUM CHLORIDE

$BeCl_2$. M.W. 79.93. White cryst. Very deliq. Sp. gr. 1.899 @ 25°C. M.P. 440°C. B.P. 520°C. Sol. water, alcohol, benzene, ether.

*Fairmount Chem Co, 600 Ferry St, Newark 5, N J

BERYLLIUM FLUORIDE (Glucinum Fluoride)

BeF_2. M.W. 47.02. Sp. gr. 1.986. M.P. 800°C.

Brush Beryllium Co, 4301 Perkins Ave, Cleveland, Ohio

BERYLLIUM HYDROXIDE

$Be(OH)_2$. M.W. 43.04. White, amorp. powd. Sol. acids. Uses—beryllium compounds; bonding material and addition agent.

Brush Beryllium Co, 4301 Perkins Ave, Cleveland, Ohio

BERYLLIUM NITRATE (Glucinum Nitrate)

$Be(NO_3)_2$. $3H_2O$. M.W. 187.08. White to sl. yellowish. Very deliq. M.P. 60°C. Decomp. 100°C. Sol. water, alcohol.

Brush Beryllium Co, 4301 Perkins Ave, Cleveland, Ohio

BERYLLIUM OXIDE (Glucinum Oxide)

BeO. M.W. 25.02. Amorp. white powd. Sp. gr. 3.025. Infusible. Insol. water. M.P. 2570°C. Sold either fluffy or preshrunk. Uses—mfr. other beryllium salts. Grades—Commercial.

Brush Beryllium Co, 4301 Perkins Ave, Cleveland, Ohio

BERYLLIUM SULFATE

$BeSO_4$. M.W. 105.08. Small, well-defined, colorless, tetragonal cryst. Uses—binding material in beryllium oxide refractories; in ceramics.

Brush Beryllium Co, 4301 Perkins Ave, Cleveland, Ohio

BETAINE HYDROCHLORIDE (Trimethylglycine Hydrochloride)

$C_5H_{11}O_2N.HCl$. M.W. 153.59.

American Roland Corp, 16 Hudson St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Gane & Ingram, 43 W 16 St, N Y 11

BIACETYL see Diacetyl

BIANILINE see Benzidine

BIANISIDINE see Dianisidine

BIANILINE see Hydrazobenzene

BIBASIC CALCIUM PHOSPHATE see Calcium Phosphate, Dibasic

BICALCIC PHOSPHATE see Calcium Phosphate, Dibasic

BICYCLODECANE see Decahydronaphthalene

BIEBERITE see Cobalt Sulfate

BILIFULVIN see Bilirubin

BILIPHAEIN see Bilirubin

BILIRUBIN (Biliphaein, Bilifulvin, Cholepyrrin, Hematoidin)

Orange-red powd. Insol. water; sol; benzene, chloroform, carbon bisulfide, acids, alkalies, very sol. in alcohol, ether. Uses—organic reagent in analytical chemistry; in medicine.

J M Baird Co, 147 Nassau St, N Y
*Bios Labs, 17 W 60 St, N Y 23

BINDERS, BRIQUETTE

Products of strong adhesive qualities, usually of coal-tar origin, that are employed in the briquetting of coal, charcoal, etc.

*Barrett Div, 40 Rector St, N Y 6
*Clinton Foods, Clinton, Iowa
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Portland Gas & Coke Co, Public Service Bldg, Portland 4, Ore
*Reilly Tar & Chem Corp, 1615 Merchant Bank Bldg, Indianapolis 4, Ind

BINDERS, CORE

Oil preps. that impart strength and cohesion to the sand molds in foundry practice, to provide smoother working in the boxes, quicker drying in the oven, an easier shakeout, a reduction in the gas in the molds, and to prevent crusting.

*Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2, Ohio
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Barrett Div, 40 Rector St, N Y 6
*Catalin Corp of America, 1 Park Ave, N Y 16
*Durez Plastics & Chem, 5 Walck Rd, N Tonowanda, N Y
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Monsanto Chem Co, Plastics Div, Springfield, Mass
*Morningstar Nicol, 630 W 51 St, N Y 19
*Reilly Tar & Chem Corp, 1615 Merchant Bank Bldg, Indianapolis 4, Ind
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va

BINDERS, HARDBOARD

*American-Marietta Co, 1400 13 Ave S W, Seattle 4 Wash
*Barrett Div, 40 Rector St, N Y 6
*Gen Petroleum Corp, 612 S Flower St, Los Angeles 17, Cal

BINDERS, ROCKWOOL

*American-Marietta Co, 1400 13 Ave S W, Seattle 4 Wash
*Barrett Div, 40 Rector St, N Y 6
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Monsanto Chem Co, Plastics Div, Springfield, Mass

BINDERS, TANNING

Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

BINDERS, TEXTILE

Products employed in finishing processes to give adhesion and a certain degree of stiffness to the cloth; usually formulated from certain gums, particularly locust bean, karaya and tragacanth.

*American Anode, 60 Cherry St, Akron 8, Ohio
Antara Products Div, 435 Hudson St, N Y 14
*Arabol Mfg Co, 110 E 42 St, N Y 17
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Naugatuck Chem, Naugatuck, Conn
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Polymer Industries, 284 Sheffield Ave, Bklyn 7, N Y
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Warwick Chem Co Div, Wood River Junction, R I
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

BIPHENYL see Diphenyl

2,2'-BIPYRIDINE see Dipyridyl

2,2'-BIPYRIDYL see Dipyridyl

BISMUTH (Metal)

Bi. Grayish-white brittle metal with reddish tinge. Natural and mfr. Sp. gr. 9.78 (20°C). M.P. 271°C. B.P. 1420°C. Sol. aqua regia; insol. water. Uses—mfr. bismuth salts, porcelain and stoneware pigments, bismuth pharmaceuticals, alloys, bearing metals, metal for dental work; tempering baths for steel; silvering amalgams. Grades—C.P.; tech.

*American Smelting & Refining Co, 120 Broadway, N Y 5
*Anaconda Copper Mining Co, 25 Broadway, N Y 4

*Company classifies itself as manufacturer or producer of this product

BISMUTH METAL, continued

Charles Gitlan & Co, 25 Beaver St, N Y 4
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*U S Smelting Refining & Mining Co, 57 William St, N Y 5
*Wah-Chang Corp, 233 Broadway, N Y 7

BISMUTH CARBONATE (Bismuth Subcarbonate; Bismuth Carbonate, Basic)

$(Bi_2O_2CO_3)_2 \cdot H_2O$; white, odorless powder; Sp. gr. 6.86 Insol. in water or alcohol; sol. in mineral acids in conce. acetic acid. Uses —in medicine; face powd.

J M Baird Co, 147 Nassau St, N Y
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

BISMUTH CHLORIDE (Bismuth Trichloride, Bismuthous Chloride)

$BiCl_3$. M.W. 315.37. White, crystalline, deliq. powd. Sp. gr. 4.75. M.P. 230-2°C. B.P. 447°C. Sol. acids; insol. alcohol. Decomp. in water. Uses—mfr. bismuth salts. Grades—C.P.; tech.

J M Baird Co, 147 Nassau St, N Y
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

BISMUTH CHLORIDE, BASIC see Bismuth Oxychloride

BISMUTH HYDRATE see Bismuth Hydroxide

BISMUTH HYDROXIDE (Bismuth Hydrate)

$Bi(OH)_3$. M.W. 260. White to yellowish-white amorp. powd. Insol. water; sol. acids.

J M Baird Co, 147 Nassau St, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

BISMUTH IODIDE (Bismuth Triiodide)

BiI_3. M.W. 589.76. Black, heavy powd. Sp. gr. 5.70. M.P. 439° with decomp. Sol alcohol; insol. water. Uses—has been used in syphilis by intraven. injection.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

BISMUTH IODOSUBGALLATE

Approx. $C_6H_2(HO)_3COO.Bi(OH)I$. M.W. 522. Dark gray, odorless, tasteless, bulky powd. Insol. water, alcohol, ether; sol. in solutions of alkali hydroxide; decomposed by acids. Protect from light. Uses—antiseptic.

Philipp Bauer Co, 2 W 47 St, N Y
Conray Products, 510 6 Ave, N Y 11
*Lamex Chem Corp, 25 Broadway, N Y 4
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

BISMUTH NITRATE (Bismuth Trinitrate, Bismuth Ternitrate, Carnot's Reagent)

$Bi(NO_3)_3.5H_2O$. M.W. 485.10. Colorless solid; crystalline. Sp. gr. 2.83. B.P. decomp. at 30 to 80°C. Sol. alcohol, acetone. Uses—mfr. bismuth salts, luminous paints and enamels, bismuth pharmaceuticals; for bismuth lustre on tin. Grades—tech.; U.S.P.; C.P.

*J T Baker Chem Co, Phillipsburg, N J
McKesson & Robbins, 155 E 44 St, N Y 17
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Republic Chem Corp, 94 Beekman St, N Y 38

BISMUTH NITRATE, BASIC see Bismuth Subnitrate

BISMUTH OXIDE see Bismuth Trioxide

BISMUTH OXYCHLORIDE (Bismuthyl Chloride, Bismuth Subchloride, Pearl White, Cosmetic Bismuth, Basic Bismuth Chloride, Blanc d' Espagne, Blanc de Perle)

BiOCl. White powd. Sp. gr. 7.717. Melts at red heat. Sol. acids; insol. alcohol, water. Uses—mfr. face powd. toilet articles, artificial pearls; as paint pigment; in medicine. Grades—tech.; C.P.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn

BISMUTH OXYCHLORIDE, continued

*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y

BISMUTH SALICYLATE

$Bi(C_7H_5O_3)_3$. M.W. 620.12. White powd. M.P. 135° C. Decomp. Uses—in medicine.

Bendix Chem Corp, 420 Lexington Ave, N Y
Conray Products, 510 6 Ave, N Y 11
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
George Uhe Co, 76 9 Ave, N Y 14

BISMUTH SUBACETATE (Basic Bismuth Acetate, Bismuthyl Acetate)

Approx. BiO. CH_3COOO. M.W. 284. White powd.; sl. acetic odor. Insol. water; sol. hydrochloric and glacial acetic acid.

*City Chem Corp, 132 W 22 St, N Y 11
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

BISMUTH SUBCARBONATE (Bismuthyl Carbonate)

$Bi_2O_2CO_3.\frac{1}{2}H_2O$. White or yellowish powd. Odor, none; tasteless. Sp. gr. 6.86. Contains not less than 90% Bi_2O_3. Insol. water, alcohol; sol. mineral acids. Uses—in medicine; cosmetics; face powd. Grades—tech.; U.S.P.; C.P.; X-ray.

*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Chem Service Corp, 82 Beaver St, N Y 5
Conray Products, 510 6 Ave, N Y 11
European Chem Co, 366 Broadway, N Y 13
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

BISMUTHS

- BISMUTH SUBNITRATE N.F.
- BISMUTH SUBCARBONATE U.S.P.
- BISMUTH SUBGALLATE N.F.
- BISMUTH OXIDE ANHYDROUS
- BISMUTH OXYCHLORIDE
- BISMUTH SUBSALICYLATE U.S.P.
- BISMUTH SALICYLATE

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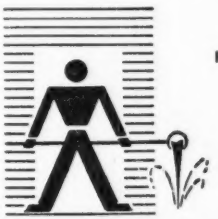
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BISMUTH SUBCARBONATE, continued

*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
George Uhe Co, 76 9 Ave, N Y 14

BISMUTH SUBCHLORIDE see Bismuth Oxychloride

BISMUTH SUBGALLATE

$C_6H_2(OH)_2COOBi(OH)_2$. M.W. 412.09. Odorless, tasteless, bright yellow powd. Sol. dil. alkalies, in hot mineral acids with decomp. Insol. water, alcohol, chloroform, ether. Use—in medicine.

*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Conray Products, 510 6 Ave, N Y 11
*Fallek Products Co, 163 Broadway, N Y 6
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
George Uhe Co, 76 9 Ave, N Y 14

BISMUTH SUBIODIDE

BiOI. Red powd. Use—medicinal as antiseptic.

*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

BISMUTH SUBNITRATE (Bismuthyl Nitrate, Bismuth White, Flake White, Spanish White, Magistery of Bismuth, Basic Bismuth Nitrate)

$BiONO_3H_2O$. White powd. Sp. gr. 4.928. Decomp. at 260°C. Sol. acids. Uses—mfr. bismuth salts, cosmetics, face paints, perfumery, face powd., toilet articles, porcelain enamels; for bismuth lustre on metals; in fluxes; in medicine. Grades—tech.; not less than 80% Bi_2O_3; C.P.; U.S.P.

*J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Chem Service Corp, 82 Beaver St, N Y 5
Conray Products, 510 6 Ave, N Y 11
*Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
George Uhe Co, 76 9 Ave, N Y 14

BISMUTH SUBSALICYLATE (Oxysalicylate)

$C_6H_4(OH)COOBi(OH)_2$. M.W. 380.09. White microcryst., odorless, tasteless. Sol. acid & alkalies with decomp.; insol. water, alcohol, ether. Uses—in medicine.

*J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Conray Products, 510 6 Ave, N Y 11
*Fallek Products Co, 163 Broadway, N Y 6
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
George Uhe Co, 76 9 Ave, N Y 14

BISMUTH SULFATE

$Bi_2(SO_4)_3$. M.W. 760.18. White cryst., acid reaction. Sp. gr. 5.08. Decomp. by water or alcohol into basic salt; sol. acids.

*City Chem Corp, 132 W 22 St, N Y 11

BISMUTH TERNITRATE see Bismuth Nitrate

BISMUTH TRI-BROMOPHENATE (Tribromophenol-Bismuth)

Approx. BiOH. $(C_6H_2Br_3O)_2Bi_2O_3$. M.W. 1351.5. Yellow, almost odorless, tasteless powd. Insol. water, organic solvents. Uses—in medicine as intestinal antiseptic.

BISMUTH TRI-BROMOPHENATE, continued

Philipp Bauer Co, 2 W 47 St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Polychem Co, 494 Hunts Point Ave, N Y 59
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

BISMUTH TRICHLORIDE see Bismuth Chloride

BISMUTH TRIFLUORIDE see Bismuth Fluoride

BISMUTH TRINITRATE see Bismuth Nitrate

BISMUTH TRIOXIDE (Bismuth Oxide, Bismuth Yellow, Flowers of Bismuth)

Bi_2O_3. Yellow powd. Sp. gr. 8.8. M.P. 820°C. Sol. acids. Uses—mfr. bismuth salts, red glass, ceramic colors; in medicine. Grades—tech.; C.P.

*J T Baker Chem Co, Phillipsburg, N J
*Bios Labs, 17 W 60 St, N Y 23
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co. 630 Flushing Ave, Bklyn 6, N Y

BISMUTH WHITE see Bismuth Subnitrate

BISMUTH YELLOW see Bismuth Trioxide

BISMUTHOUS CHLORIDE see Bismuth Chloride

BISMUTHYL CARBONATE see Bismuth Subcarbonate

BISMUTHYL CHLORIDE see Bismuth Oxychloride

BISMUTHYL NITRATE see Bismuth Subnitrate

BITTER SPAR see Dolomite

BITUMEN see Asphaltum

BIVINYL see Butadiene

BIXINE see Annatto

BLACK BALSAM see Balsam, Peruvian

BLACK CATECHU see Cutch

BLACK OXIDE of Manganese see Manganese Dioxide

BLACK PRECIPITATE see Mercurous Chloride

BLACK ROUGE see Iron Oxide

BLANC D'ESPAGNE see Bismuth Oxychloride

BLANC DE PERLE see Bismuth Oxychloride

BLANC FIXE (Precipitated Barium Sulfate, Synthetic Barytes, Synthetic Heavy Spar, Permanent White, Terra Ponderosa—see also Barium Sulfate)

$BaSO_4$. White powd. Uses—mfr. barium salts, special glass, lithographic and printing inks, cements, glazed and wall papers, paper hangings; as substratum for color lakes; in X-ray work; filler for white leather, linoleum, paints and varnish, paper, rubber and in making cloth; pigment and white lead substitute; substratum in making photographic paper. Grades—tech.; C.P.; U.S.P.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
J M Baird Co, 147 Nassau St, N Y
*Barium Reduction Corp, Drawer 1, S Charleston 3, W Va
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Chem Mfg Co, 21 West St, N Y
Conray Products, 510 6 Ave, N Y 11
Stanley Doggett, 75 Varick St, N Y 13
Downer, Hunnewell & Co, 131 State St, Boston 9, Mass
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del

BLANC FIXE, continued

Filo Color & Chem Corp, 202 E 44 St, N Y
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Innis, Speiden & Co, 117 Liberty St, N Y 6
Kingston Chem Co, 15 William St, N Y 5
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
C J Osborn Co, 132 Nassau St, N Y
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Standard Ultramarine Co, 5 Ave & 24 St, Huntington, W Va
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
Witco Chem Co, 295 Madison Ave, N Y 17

BLASTING SUPPLIES

*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*E I Du Pont de Nemours & Co, Explosives Dept, Wilmington 98, Del
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
National Powder Co, Eldred, Pa
*Bernard Sirotta Co, 620 Smith St, Bklyn 31, N Y

BLEACH see Bleaching Powder

BLEACHES, FOOD

Preps. employed for such uses as bleaching flour, horseradish, cabbage, cauliflower, restoring the natural color to pickles, etc. Must be harmless and comply with federal, state and local pure food laws and regulations.

Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Novadel-Agene Corp, Lucidol Div, 1740 Military Rd, Buffalo 5, N Y
*Seydel Chem Co, 225 Mercer St, Jersey City 2, N J
*Sterwin Chem, 1450 Broadway, N Y 18
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

BLEACHES, GASOLINE

Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
*Patent Chem, 335 McLean Ave, Paterson 4, N J
L A Salomon & Bro, 216 Pearl St, N Y 38

BLEACHES, LAUNDRY

Products which tend to whiten and remove stains. Most commonly used is sodium hypochlorite or Javelle Water, usually sold on the basis of percentage of available chlorine. Other products, such as hydrogen peroxide, perborates, etc., are also used as bleaches in laundry work.

*Barton Chem Co, 3909-11 S Langley Ave, Chicago 15, Ill
Central Illinois Labs, 1801 S Washington St, Peoria, Ill
John A Chew, 60 E 42 St, N Y 17
Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Fiber Chem Corp, Box 218, Matawan, N J
Hachik Bleach Co, 50 & Wynnefield Ave, Phila, Pa
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
B J Howard Co, Whitaker Bldge, Baltimore 2, Md
*Industrial Colloids & Chem, 127 W Jackson Ave, Knoxville 11, Tenn
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Kuehne Chem Co, Woodruff Lane, Elizabeth, N J
Marlyn Chem Co, 156 & Forsythe, Calumet City, Ill
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Pennsylvania Salt Mfg Co, 152 Market St, Paterson, N J
Republic Chem Corp, 94 Beekman St, N Y 38
*Science Industries, 609-15 Geyer Ave, St Louis 4, Mo
Superior Products Co, 148-148A Pearl St, Somerville, Mass
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Wollen Chem & Supply Co, 126 6 Ave, Paterson, N J

BLEACHES, LEATHER

Antara Products Div, 435 Hudson St, N Y 14
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Fiber Chem Corp, Box 218, Matawan, N J
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

*Company classifies itself as manufacturer or producer of this product

BLEACHES, OIL

*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
*Novadel-Agene Corp, Lucidol Div, 1740 Military Rd, Buffalo 5, N Y
L A Salomon & Bro, 216 Pearl St, N Y 38
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

BLEACHES, PAPER & PULP

American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
George Mann & Co, 251 Fox Point Blvd, Providence, R I
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
Philipp Bros Chem, 37 Wall St, N Y
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

BLEACHES, TEXTILE

American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
Antara Products Div, 435 Hudson St, N Y 14
*Barton Chem Co, 3909-11 S Langley Ave, Chicago 15, Ill
Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Harwick Standard Chem Co, 60 S Selberling St, Akron, Ohio
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
George Mann & Co, 251 Fox Point Blvd, Providence, R I
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

BLEACHES, WOOD

Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Grand Rapids Wood Finishing Co, 53-71 Grandmille Ave S W, Grand Rapids 2, Mich
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
*L R Van Allen Co, P O Box 3610, Merchandise Mart Sta, Chicago 54, Ill
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

BLEACHING POWDER (Chloride of Lime, Chlorinated Lime, Calcium Oxychloride, Calx, Chlorinata, Bleach, Hypochlorite of Lime, Sodium Chlorohypochlorite)—see also Calcium Hypochlorite—see also Bleaches Laundry.

$CaCl(ClO).4H_2O$. White powd. chlorine odor. Decomp. on melting. Decomposed by water, alcohol. Uses—mfr. organic chemicals, intermediates, chloroform, deodorized germicides; as disinfectant; miscellaneous bleaching agent; bleaching cotton, linen, pulp, cotton for smokeless powd., fats and oils; purifying acetylene and water; tanning leather; sewage disinfectant; dry cleaning. Grades—35-37% active chlorine; tech.; U.S.P.

American-British Chem Supplies, 180 Madison Ave, N Y
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
Ashcraft-Wilkinson Co, 601 Trust Co of Ga Bldg, Atlanta 3, Ga
J M Baird Co, 147 Nassau St, N Y
F M Browning Co, 150 Broadway, N Y 38
Chem Mfg Co, 21 West St, N Y
John A Chew, 60 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass

BLEACHING POWDER, continued

Cole Labs, 42-25 9 St, L I C 1, N Y
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Cosmetic Mfg Supply Co, 2967 S LaSalle St, Chicago, Ill
Elbert & Co, 2 Broadway, N Y
Faesy & Besthoff, 325 Spring St, N Y 13
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Kingston Chem Co, 15 William St, N Y 5
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
Merchants Chem Co, 60 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Simmons Products Co, 15 Moore St, N Y
Jos Turner & Co, Ridgefield, N J
George Uhe Co, 76 9 Ave, N Y 14

BLEU D'AZURE see Smalt

BLEU DE SAXE see Smalt

BLOOD, DRIED

Reddish-brown, solid amorp. Natural. Uses—mfr. adhesives, animal charcoal, buttons, paints; as feed-stuff for hogs and chickens, fertilizer and ingredient of fertilizing compositions; clarifying sugar; water purifier; sewage precipitating agent; in medicine. Grades—15% ammonia; ground; unground.

Albumina Supply Co, 2 Broadway, N Y 4
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*H Gartenberg & Co, 412 Pershing Rd, Chicago 9, Ill
*Spiegel & Peiffer, 2 Broadway, N Y 4

BLUE COPPERAS see Copper Sulfate

BLUE STONE see Copper Sulfate

BLUE VITRIOL see Copper Sulfate

BOILER COMPOUNDS

Products formulated to eliminate and prevent rust, congestion, corrosion, and scale formation in low and high pressure boilers, hot water supply and heating systems.

American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Amplon Corp, 4-88 47 Ave, L I C 1, N Y
*Anderson-Stolz Corp, 1731-33 Walnut St, Kansas City, Mo
Harvey J Boutin & Son, 7 Front St, San Francisco 11, Cal
*Chem Labs, 1017 Sampson, Houston 3, Tex
John A Chew, 60 E 42 St, N Y 17
*W B Coleman & Co, 9 & Rising Sun Ave, Phila 40, Pa
Dacar Chem Products Co, Dacar Bldg, Pittsburgh, Pa
*Damon Chem Co, 527 E Cambridge St, Alliance, Ohio
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
*E F Drew & Co, 15 E 26 St, N Y 10
*Hawk Eye Compound Co, 140 St & Seeley Ave, Blue Island, Ill
Herbert Chem Co, Vine St & Murray Rd, Cincinnati 17, Ohio
*R M Hollingshead Corp, 840 Cooper St, Camden, N J
*Kaiser Aluminum & Chem Sales, 1924 Broadway, Oakland 12, Cal
*Kemiko Mfg Co, 500 Chancellor Ave, Irvington 11, N J
*King Chem Co, 31 New Haven Railroad St, Mt Vernon, N Y
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Marathon Corp, Rothschild, Wis
*Mathe Chem Co, 169 Milbank St, Lodi, N J
*L Carlton Mertz Co, 1638 S Normal Ave, Chicago 16, Ill
Perolin Co, 10 E 40 St, N Y 16
*George Pfau Sons Co, Jeffersonville, Ind
*Starr Mfg & Chem Co, 607 S Shawnee St, Lima, Ohio
*State Mfg Co, 3545 E 76 St, Cleveland, Ohio
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Wasco Engrg Corp, 601 W 26 St, N Y 1
Water Service Labs, 423 W 126 St, N Y 27

BOILER FEED WATER TREATMENT

*Amplon Corp, 4-88 47 Ave, L I C 1, N Y
*Anderson-Stolz Corp, 1731-33 Walnut St, Kansas City, Mo
Central Illinois Labs, 1801 S Washington St, Peoria, Ill
*Chem Labs, 1017 Sampson, Houston 3, Tex
*W B Coleman & Co, 9 & Rising Sun Ave, Phila 40, Pa
Dacar Chem Products Co, Dacar Bldg, Pittsburgh, Pa
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
*E F Drew & Co, 15 E 26 St, N Y 10
*Elgin Softener Corp, Elgin, Ill

BOILER FEED WATER TREATMENT, continued

*Feedwaters Inc, 140 Cedar St, N Y
*Flexoid Products, 170 Summer St, Boston, Mass
*Hawk Eye Compound Co, 140 St & Seeley Ave, Blue Island, Ill
Johns-Manville Sales Corp, 22 E 40 St, N Y 16
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*National Aluminate Corp, 6216 W 66 Pl, Chicago 38, Ill
Perolin Co, 10 E 40 St, N Y 16
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Rumford Chem Works, Rumford, R I
*Starr Mfg & Chem Co, 607 S Shawnee St, Lima, Ohio
*State Mfg Co, 3545 E 76 St, Cleveland, Ohio
*Wasco Engrg Corp, 601 W 26 St, N Y 1
Water Service Labs, 423 W 126 St, N Y 27
*West Va Pulp & Paper Co, 230 Park Ave, N Y 17

BOILER TREATMENT

*Amplon Corp, 4-88 47 Ave, L I C 1, N Y
*Anderson-Stolz Corp, 1731-33 Walnut St, Kansas City, Mo
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Bram Chem Co, 820 Ellis Ave, Phila 26, Pa
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Chem Labs, 1017 Sampson, Houston 3, Tex
*W B Coleman & Co, 9 & Rising Sun Ave, Phila 40, Pa
Dacar Chem Products Co, Dacar Bldg, Pittsburgh, Pa
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
*E F Drew & Co, 15 E 26 St, N Y 10
*Feedwater Inc, 140 Cedar St, N Y
*Hawk Eye Compound Co, 140 St & Seeley Ave, Blue Island, Ill
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*National Aluminate Corp, 6216 W 66 Pl, Chicago 38, Ill
Perolin Co, 10 E 40 St, N Y 16
*Protean Chem Corp, 150 Nassau St, N Y 38
*Starr Mfg & Chem Co, 607 S Shawnee St, Lima, Ohio
*State Mfg Co, 3545 E 76 St, Cleveland, Ohio
*Wasco Engrg Corp, 601 W 26 St, N Y 1
Water Service Labs, 423 W 126 St, N Y 27

BOIL-OFF COMPOUNDS, Rayon

Strictly there is no "boiling-off" of rayon, since no sericin or gum is present; however, some rayon is not delivered by the manufacturer to the dyer in the bleached state, and does contain oils used in twisting, winding, sizing, etc., and fats, etc., employed in mfr., so that the yarn must be scoured thoroughly. See Boil-Off Compounds, Textile; Detergents, Textile.

*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
*Dexter Chem Corp, 819 Edgewater Rd, N Y 59
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
M Michel & Co, 90 Broad St, N Y 4
*National Aniline Div, 40 Rector St, N Y 6
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Rumford Chem Works, Rumford, R I
*Scher Bros, 519 Getty Ave, Clifton, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

BOIL-OFF COMPOUNDS, Silk

Compounds for degumming silk, carefully adjusted to the proper pH for the rapid removal of the silk-gum without chaffing, tendering or otherwise damaging the fibre. See Boil-Off Compounds, Textile.

*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Dexter Chem Corp, 819 Edgewater Rd, N Y 59
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
M Michel & Co, 90 Broad St, N Y 4
*National Aniline Div, 40 Rector St, N Y 6
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Rumford Chem Works, Rumford, R I
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J

BOIL-OFF COMPOUNDS, TEXTILE

Compounds prepared to boil out the gums, pectins, fats and waxes, etc., present in natural fibers and to prepare the goods for dyeing, mercerizing and finishing operations.

Antara Products Div, 435 Hudson St, N Y 14
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Berkshire Color & Chem Corp, 42-44 Hampden St, Springfield, Mass
*Bryant Chem Corp, 6 North St, N Quincy, Mass
*Dexter Chem Corp, 819 Edgewater Rd, N Y 59
*Eastern Color & Chem Co, 137 Canal St, Providence, R I
*Fabric Chem Co, 61 Cornelison Ave, Jersey City 4, N J

*Company classifies itself as manufacturer or producer of this product

BOIL-OFF COMPOUNDS, TEXTILE continued

*Kail Mfg Co, 427 Moyer St, Phila 25, Pa
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
George Mann & Co, 251 Fox Point Blvd, Providence, R I
M Michel & Co, 90 Broad St, N Y 4
*National Aniline Div, 40 Rector St, N Y 6
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Protean Chem Corp, 150 Nassau St, N Y 38
*Rumford Chem Works, Rumford, R I
*Scher Bros, 519 Getty Ave, Clifton, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Standard Soap Co of Camden, 205 S 2 St, Camden, N J
*Synthetic Chem, 335 McLean Blvd, Paterson 4, N J
*Titan Chem Products, Mill Rd & Wayne St, Jersey City, N J
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Warwick Chem Co Div, Wood River Junction, R I
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

BOLUS ALBA see Clays, China

BONE ASH

Ash resulting from incineration of bones. Composed chiefly of calcium phosphate. Uses—making cupels used in assaying, for cleaning and polishing preps., ceramics, fertilizers.

*American Agricultural Chem Co, 50 Church St, N Y 7
Barclay Chem Co, 75 Varick St, N Y
Samuel D Keim, Liberty Trust Bldg, Phila 7, Pa
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill

BONE BLACK (Animal Charcoal)—see also Carbon Activated

Black, solid amorp. Sp. gr. 2.7. Uses—mfr. blackings and polishes; decolorizing agent and filtering medium; cementation reagent; absorptive medium in gas masks; paint and varnish pigment; clarifying shellac; decolorizing and deodorizing paraffin and sugar; filtering, decolorizing and deodorizing water. Grades—tech.; various as to uses.

*American Agricultural Chem Co, 50 Church St, N Y 7
Barclay Chem Co, 75 Varick St, N Y

BONE BLACK, continued

Binney & Smith Co, 41 E 42 St, N Y 17
Bonewitz Chem, P O Box 560, Burlington, Iowa
C B Coburn Co, 63 Market St, Lowell, Mass
*Consolidated Chem Industries, 640 Mellie Esperon Bldg, Houston 2, Tex
Downer, Hunnewell & Co, 131 State St, Boston 9, Mass
Frank G Fanning, 50 E 42 St, N Y 17
Howe & French, Mfg Dept, E Weymouth, Mass
Samuel D Keim, Liberty Trust Bldg, Phila 7, Pa
Landers-Segal Color Co, 78 Delevan St, Bklyn 31, N Y
Merchants Chem Co, 60 E 42 St, N Y 17
Murray Williams Color & Chem Co, 353 Boyden Ave, Maplewood, N J
C J Osborn Co, 132 Nassau St, N Y
Riches-Nelson, 342 Madison Ave, N Y 17
*Siemon Colors, 318 Ogden St, Newark 4, N J
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y

BONE BOTANICALS

BONE, GROUND (and Meal)

White, solid amorp. Natural. Insol. Sp. gr. 1.7-2.0. Uses—mfr. fertilizers. Grades—raw (4½, 5, 50%); steamed (3, 50%); flour.

Albumina Supply Co, 2 Broadway, N Y 4
Bradley & Baker, 155 E 44 St, N Y 17
Joseph Caspe, 50 Columbia St, Newark 5, N J
*Consolidated Chem Industries, 640 Mellie Esperon Bldg, Houston 2, Tex
*Darling & Co, 4204 S Ashland Ave, Chicago 9, Ill
*Deift Co, 20 E Jackson Blvd, Chicago 4, Ill
Dickerson Co, Drexel Bldg, Phila 6, Pa
Oskar Eismann, 6059 71 St, Maspeth, N Y
Elbert & Co, 2 Broadway, N Y
Faesy & Besthoff, 325 Spring St, N Y 13
Joseph C Jett, Board of Trade Bldg, Norfolk 1, Va
Lundt & Co, 24 State St, N Y 4
Samuel D Keim, Liberty Trust Bldg, Phila 7, Pa
Chas Page & Co, 50 E 42 St, N Y 17
Premier Peat Moss Corp, 535 5 Ave, N Y 17
*Spiegel & Peiffer, 2 Broadway, N Y 4
Tuteur Bio-Chem, 60 Wall St, N Y 5
Woodward & Dickerson, 1400 S Penn Sq, Phila, Pa

BORAX

*American Potash & Chem Co, 122 E 42 St, N Y 17
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Pacific Coast Borax Co, 100 Park Ave, N Y 17
*Stauffer Chem Co, 420 Lexington Ave, N Y 17

BORAX

BORAX, BORAX 5 Mol., BORIC ACID AND OTHER BORATES

Technical U.S.P.
Crystal
Granular
Powdered
Impalpable

Special Quality
Granular
Powdered

Borax
Borax 5 Mol.
Anhydrous Borax
Borax Glass
Ammonium Biborate
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MANUFACTURERS OF THE FAMOUS "20 MULE TEAM" PACKAGE PRODUCTS

BORNEO CAMPHOR see Borneol

BORNEOL (Borneo Camphor, Bornyl Alcohol Baras Camphor, Malayan Camphor, Sumatra Camphor, Dihydroxy-camphene, Campbanol)

$C_{10}H_{17}OH$. M.W. 154.14. White, solid, amorp. and crystalline, camphor-like odor. Sp. gr. 1.011 (15°C). M.P. 208.6°C. B.P. 213.5°C. Sol. alcohol, ether; very sl. sol. water. Uses—mfr. perfumes, pharmaceuticals intermediates, celluloid, organic chemicals, synth. camphor, borneolesters; in medicine. Grades—tech.; pure.

*Bios Labs, 17 W 60 St, N Y 23
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13

BORON, AMORPHOUS

B; At. Wt. 1082; at No. 5; vol. 3; soft, brown powd. ignites in air. Sp. gr. 2.45. M.P. 2300°C. Unaffected by water, chlorine or bromine at ordinary temp. Sl sol. in water when freshly prepared and not strongly ignited. Uses—as positive pole in galvanic elements thermometers.

*Bios Labs, 17 W 60 St, N Y 23
*Fairmont Chem Co, 600 Ferry St, Newark 5, N J
*Metalsalts Corp, 200 Wargarawe Rd, Hawthorne, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17

BORON FLUORIDE-DIETHYL ETHER COMPLEX see Boron Fluoride Etherate

BORON FLUORIDE ETHERATE (Boron Fluoride-diethyl Ether Complex)

$BF_3:(C_2H_5)_2O$. M.W. 141.90. Straw color to tan liq. Uses—catalyst in polymerization, esterification and alkylation reactions.

*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6

BORON NITRIDE

*Bios Labs, 17 W 60 St, N Y 23
*Fairmont Chem Co, 600 Ferry St, Newark 5, N J

BORON TRICHLORIDE

BCl_3. M.W. 117. Colorless, fuming liq. Uses—catalyst; refining agent for aluminum, zinc and copper alloys; refrigerant in compression refrigerating machines

Matheson Co, Paragon Div, E Rutherford, N J
*Stauffer Chem Co, 420 Lexington Ave, N Y 17

BORON TRIFLUORIDE

BF_3. M.W. 67.82. Colorless gas. Uses—catalyst

*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Matheson Co, Paragon Div, E Rutherford, N J

BORAX see Sodium Borate

BOROFORM see Acetylene Tetrachloride

BRAKE LINING SATURANTS

Preps. used as a bonding material with the asbestos base brake lining. Requirements are: exceptional strength and heat resistance, good frictional and wearing qualities.

*Durez Plastics & Chem, 5 Walck Rd, N Tonowanda, N Y
*Irvington Varnish & Insulator Co, 17 Argyle Terrace, Irvington 11, N J
*Monsanto Chem Co, Plastics Div, Springfield, Mass
*Portland Gas & Coke Co, Public Service Bldg, Portland 4, Ore

BRASS POWDERS

*New Jersey Zinc Sales Co, 160 Front St, N Y 38

BRAZILWOOD EXTRACT

Extract made from Brazilwood. Uses—dyeing textiles and leather. Grades—tech.

*American Dyewood Co, 285 Madison Ave, N Y

BRAZING COMPOUNDS

Alloys of varying proportions of brass and zinc used as a solder.

*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill
*T B Hagstoz & Son, 709 Sansome St, Phila 6, Pa
*Linde Air Products Co, 30 E 42 St, N Y 17

BREMEN BLUE see Copper Carbonate, Blue

BREMEN GREEN see Copper Carbonate

*Company classifies itself as manufacturer or producer of this product

BROACHING COMPOUNDS

Specially formulated lubricants used in machine shops, etc., for tapering, boring, smoothing operations, etc.

*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*Macco Products Co, 525 W 76 St, Chicago, Ill

BROM CRESOL BLUE see Bromcresol Green

BROMINE

Br_2. Reddish-brown, fuming liq. Sp. gr. 3.1883 (0°C). M.P. —7.3°C. B.P. 58.7°C. Sol. water, alcohol, ether, potassium, bromide, alkalies, carbon disulfide. Uses—mfr. bromides, hydrobromic acid, Prussian Blue, poison gases, tetraethyl gasoline dyes, pharmaceuticals; as battery depolarizer; disinfectant of rooms and buildings; oxidizing and brominating agent in making inorganic and organic compounds; extracting gold; in medicine. Grades—C.P.; U.S.P.; tech.

American Firstoline Corp, 420 Lexington Ave, N Y
*American Potash & Chem Corp, 122 E 42 St, N Y 17
American Quinine Co, 15 William St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
*Ciba Co, 627 Greenwich St, N Y 14
*Dow Chem Co, Midland, Mich
*Great Lakes Chem Corp, Filer City, Mich
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
Mutchler Chem Co, 258 Broadway, N Y 7
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

p-BROMOANILINE

$BrC_6H_4NH_2$. M.W. 172.03. Rhombic cryst. M.P. 63-64°C. Insol. water; sol. alcohol, ether.

*Matheson Co, Paragon Div, E Rutherford, N J

BROMOBENZENE (Bromobenzol, Monobromobenzene, Phenyl Bromide)

C_6H_5Br. Colorless liq. Sp. gr. 1.49528 (20°C). M.P. 30.6°C. B.P. 156.15°C. Insol. water; sol. alcohol, ether. Uses—mfr. intermediate chemicals, benzoic acid. Grades—tech.

*Dow Chem Co, Midland, Mich
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

BROMOBENZOL see Bromobenzene

BROMOBUTANE see n-Butyl Bromide

2-BROMOPENTAME see Sec.—Butyl Bromide

a-BROMO-CAMPHOR see Camphor (Monobromated)

BROMOCHLORO PHENOL BLUE (Dibromodichlorphenolsulfonphthalein)

$C_{19}H_{10}Br_2Cl_2O_5S$. M.W. 581. White to pink crystalline powd. Uses—pH indicator - pH range 3.0 (yellow) to 4.6 (blue).

*Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*National Aniline Div, 40 Rector St, N Y 6

1-BROMO-3-CHLOROPROPANE see Trimethylene Chlorobromide

BROMCRESOL GREEN (Tetrabrom-m-Cresolsulfonphthalein, Brom Cresol Blue)

$C_{21}H_{14}Br_4O_5S$. M.W. 698. White to buff-colored crystalline powd. Sl. sol. water; sol. alcohol and alkali. Uses—pH indicator - pH range 4.0 (yellow) to 5.6 (blue).

*Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa
*LaMotte Chem Products Co, Towson 4, Md
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*National Aniline Div, 40 Rector St, N Y 6

BROMOCRESOL PURPLE (Dibrom-orthocresol-sulfonphthalein)

$C_{21}H_{16}Br_2O_5S$. M.W. 540.2. White to pink crystalline powd. Insol. water; sol. alcohol and alkali. Uses—pH indicator - pH range 5.2 (yellow) to 6.8 (purple).

*Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa
*LaMotte Chem Products Co, Towson 4, Md
*National Aniline Div, 40 Rector St, N Y 6

BROMOCYCLOHEXANE see Cyclohexyl Bromide

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- Methyl Bromide
- Ethyl Bromide

Organic and Inorganic Bromides

MICHIGAN CHEMICAL CORPORATION ▶ SAINT LOUIS MICHIGAN

BROMODICHLORO METHANE

Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

BROMOFORM (Tribromomethane)

$CHBr_3$. M.W. 252.76. Colorless liq. or hex. cryst. M.P. 6-7°C. B.P. 149.5°C.

J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
*Dow Chem Co, Midland, Mich
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Kingston Chem Co, 15 William St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

α-BROMOISOVALERYLUREA

$(CH_3)_2CHCHBrCONHCONH_2$. M.W. 223. White almost tasteless crystalline powd. M.P. 147-149°C. Uses—pharmaceutical.

Philipp Bauer Co, 2 W 47 St, N Y
*Bihober-Knoll Corp, 377 Crane St, Orange, N J
*Bios Labs, 17 W 60 St, N Y 23
*Desmo Chem Corp, 565 5 Ave, N Y 17
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

BROMOMETHANE see Ethyl Bromide

BROMOMETHANE see Methyl Bromide

1-BROMO-2-METHYLPROPANE see Isobutyl Bromide

BROMOPHENOL BLUE (Tetrabromphenolsulfonphthalein)

$C_{19}H_{10}Br_4O_5S$. M.W. 669. Pale orange or reddish crystalline powd. Uses—pH indicator - pH range 3.0 (yellow) to 4.6 (blue).

*Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa
*LaMotte Chem Products Co, Towson 4, Md
*National Aniline Div, 40 Rector St, N Y 6

n-BROMOPENTANE see n-Amyl Bromide

2-BROMOPENTANE see Sec-Amyl Bromide

2-BROMO-4-PHENYLPHENOL

$C_6H_5C_6H_3BrOH$. M.W. 249.0. Light-colored, crystalline solid with faint characteristic odor. B.P. (18 mm. with decomp.) 195-200°C. Sol. sodium hydroxide solutions, most organic solvents; insol. water. M.P. above 87.0°C. Uses—as a germicide.

2-BROMOPYRIDINE

BrC_5H_4N. M.W. 158.01. Liq. B.P. 193-194°C. Sl. sol. water

*Bios Labs, 17 W 60 St, N Y 23
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

N-BROMOSUCCINIMIDE

$(CH_2{\cdot}C{:}O)_2N{\cdot}Br$. M.W. 178. White to pale buff, fine crystalline powd.; faint odor of bromine. Uses—brominating agent.

*Algo Chem Co, 1027 5 Deacon St, Detroit, Mich
*Arapahoe Chem, 2800 Pearl St, Boulder, Col
*Bios Labs, 17 W 60 St, N Y 23
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*National Aniline Div, 40 Rector St, N Y 6

2-BROMOTHIOPHENE

*Bios Labs, 17 W 60 St, N Y 23
*Mich Chem Corp, 500 N Bankson St, St Louis Mich

BROMTHYMOL BLUE (Dibromothymolsulfonphthalein)

$C_{27}H_{28}Br_2O_5S$. M.W. 624.3. Pink-colored crystalline powd. Uses—pH indicator - pH range 6.0 (yellow) to 7.6 (blue).

De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
*Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa
*LaMotte Chem Products Co, Towson 4, Md
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*National Aniline Div, 40 Rector St, N Y 6
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

BROMOTRICHLOROMETHANE

*Mich Chem Corp, 500 N Bankson St, St Louis Mich

BROMYRITE see Silver Bromide

BRONZE POWDERS

Mixture copper, zinc, tin, antimony. Varied colors. Uses—mfr. aluminum bronze, flashlight powd.; as chemical catalyst; pigment in lacquers and enamels; bronzing agent, coating paper; dusting powd. in printing. Grades—various as to color and fineness. Cont.—cases.

*Alabastine Paint Products, 2639 W Grand Ave, Chicago 12, Ill
American Firstoline Corp, 420 Lexington Ave, N Y
*Argus Chem Lab, 56 Clifton Pl, Bklyn 5, N Y
*Baer Bros, 438 W 37 St, N Y 18
Barclay Chem Co, 75 Varick St, N Y
Stanley Doggett, 75 Varick St, N Y 13
L Hemmerdinger & Co, 424 E 123 St, N Y 35
Hummel Chem Co, 90 West St, N Y 6
*Magna Mfg Co, Haskell, N J
*Metals Disintegrating Co, P O Box 290, Elizabeth, N J
*New Jersey Zinc Sales Co, 160 Front St, N Y 38
Senefelder Co, 32-34 Greene St, N Y 13

BRONZING LIQUIDS

Vehicles used for mixing with bronz powd. or paste and which provide the necessary medium for spreading and leafing the metallic pigment.

*Alabastine Paint Products, 2639 W Grand Ave, Chicago 12, Ill
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Baer Bros, 438 W 37 St, N Y 18
*L Hemmerdinger & Co, 424 E 123 St, N Y 35
*L J & M La Place, Leliarts Lane, E Paterson, N J
*Zophar Mills, 116 26 St, Bklyn 32, N Y

BROWN ACETATE see Calcium Acetate

BROWN IRON see Iron Oxide, Brown

BROWN SPAR see Dolomite

BRUCINE ALKALOID (Dimethoxy Strychnine)

$C_{23}H_{26}N_2O_4$. White cryst. M.P. 105°C.; hydrated 178°C. Sol. alcohol, chloroform; sl. sol. water. Uses—denaturing oils and alcohol; intermediate in organic syntheses.

J M Baird Co, 147 Nassau St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
European Chem Co, 366 Broadway, N Y 13
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Inland Alkaloid Co, Tipton, Ind
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

BRUCINE SULFATE

$(C_{23}H_{26}N_2O_4)_2H_2SO_4 + 7H_2O$. Small white cryst. Sol. alcohol, water. Uses—denaturing oils and alcohol.

J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
European Chem Co, 366 Broadway, N Y 13
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Inland Alkaloid Co, Tipton, Ind
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Marlowe-Van Loan Corp, Box 1851, High Point, N C
McKesson & Robbins, 155 E 44 St, N Y 17
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Premiss Drug & Chem Co, 110 William St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Winthrop-Stearns, 1450 Broadway, N Y 18

BRUCITE see Magnesium Hydroxide

BRUNSWICK GREEN see Copper Carbonate

BUFFING COMPOUNDS

Compounds applied to the buffs (disks of cloth or similar pliant materials) used in the buffing operation which follows the polishing operation on metals. Buffing usually is classified in two ways "cutting down" and "coloring." For the first, specially processed tripoli or emery and tallow are commonly employed, and for "coloring" aluminum oxide or chromium oxide compounds are popular. Other preps. are specially compounded with tripoli and chromium oxide, with pumice, emery and a machine oil, with soap-bark powder and water, with pumice and a grease-removing solvent; others contain lime.

*Buckingham-Products Co, 14100 Fullerton Ave, Detroit 27, Mich
*Composition Materials Co, 23 W 44 St, N Y
Donald Safes & Mfg Co, 6601 W State St, Milwaukee 13, Wis
*Harrison & Co, 487 Groveland St, Haverhill, Mass
*Linick Chem Co, 29 E Madison St, Chicago, Ill
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal

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BUFFING COMPOUNDS, continued
*Puritan Mfg Co, P O Box 564, Waterbury 85, Conn
*Frederick B Stevens, 1300 18 St, Detroit, Mich
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

BURNISHING COMPOUNDS
*Alabastine Paint Products, 2639 W Grand Ave, Chicago 12, Ill
*Composition Materials Co, 23 W 44 St, N Y
*Enthone Inc, 442 Elm St, New Haven, Conn
*Harrison & Co, 487 Groveland St, Haverhill, Mass
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal

BURNT ALUM see Alum, Potash

BURNT SUGAR COLORING see Caramel

BUTADIENE (Bivinyl, Erythrene, Pyrrolylene, Vinyl-Ethylene, Divinyl)
$CH_2:CHCH:CH_2$. M.W. 54. Colorless, easily liquified gas. Uses—essential raw material in mfr. of synth. rubber.
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich
*Enjay Co, 15 W 51 St, N Y 19
Matheson Co, Paragon Div, E Rutherford, N J
*Phillips Chem Co, Bartlesville, Okla
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

BUTANDIONE see Diacetyl

BUTANE (Tetrane, Methylethyl Methane)
C_4H_{10}. M.W. 58.08. Colorless gas. Dens. 2.046. F.P. —135°C. B.P. 1°C. Insol water; sl sol. alcohol. Uses—as an illuminating gas; enricher of illuminating gas; low boiling solvent; as refrigerant.
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Matheson Co, Paragon Div, E Rutherford, N J
Ohio Chem & Surgical Equipment Co, 1400 Washington Ave, Madison 10, Wis
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
*Shell Oil Co, 50 W 50 St, N Y 20

BUTANEDIOL see 2-3 Butylene Glycol

BUTANOL see Alcohol, n-Butyl

BUTENAL see Crotonaldehyde

BUTENE-1 (Butene, a-Butylene, Ethylethylene)
C_4H_8. M.W. 56.06. colorless gas. B.P. 50°C. M.P. —130°C. Insol. water; sol. alcohol.
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

2-BUTEN-1-OL see Alcohol, Crotyl

BUTENE-2
$CH_3CHCHCH_3$ M.W. 56.06. Col. gas. Insol water; sol. alcohol.
Matheson Co, Paragon Div, E Rutherford, N J
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

BUTOXYBUTANE see n-Ether, Butyl

BUTOXYETHYLDIGLYCOL CARBONATE
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill

BUTOXY ETHYL STEARATE

BUTTER OF ANTIMONY see Antimony Trichloride

BUTTER COLOR see Annatto

BUTTER OF ZINC see Zinc Chloride

BUTTERCUP YELLOW see Zinc Chromate

N-BUTYLACETANILIDE
$C_{12}H_{17}NO$=191.3. Yellowish liq. B.R. at 650 mm Hg. 5.95°C., 277-281°C. Sp. gr. at 25/25°C. 0.992. F.P. 20.8°C.; Refractive Index at 25°C., 1.513. Flash Pt. 141°C.; Fire Pt. 148°C. Uses—intermediate in syntheses and in tick repellent formulations.
W W Angus, 220 Broadway, N Y
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Kessler Chem Co, State Rd & Cottman Ave, Philia 35, Pa
*Ohio-Apex, Nitro, W Va
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J



BUTYL ACETATE
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The J. M. Baird Company
Cables: JOMBAIRD
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n-BUTYL ACETATE
$CH_3COOC_4H_9$. M.W. 116.09. Colorless liq. Purity 88 to 92% ester by wt. Sp. gr. 0.882 (20°C). B.P. 110-145°C. M.P. —76.8°C. Wt. per gal., 7.290 lbs. (20°C.). Miscible gasoline (60°). Be. and common organic solvents. Uses—mfr. nitrocellulose lacquers, artificial, patent and enameled leathers, coated paper, perfumes, photographic films, pyroxylin plastics, safety glass, synth. flavors; solvent camphor, mineral and vegetable oils, pitch, natural resins, synth. resins, gum rubber.
Aceto Chem Co, 82 Beaver St, N Y 5
Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American-British Chem Supplies, 180 Madison Ave, N Y
American Quinine Co, 15 William St, N Y
W W Angus, 220 Broadway, N Y
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
J H Bauminger, 421 7 Ave, N Y
Bell Chem Co, 25 W 44 St, N Y 18
Bergstrom Trading Co, 233 Broadway, N Y
F M Browning Co, 150 Broadway, N Y 38
C P Chem Solvents, 60 Park Place, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Chematar Inc, Exchange Pl, N Y 5
Chem Mfg Co, 21 West St, N Y
Commerce Petroleum Co, 2980 Archer Ave, Chicago 8, Ill
*Commercial Solvents Corp, 17 E 42 St, New York 17, N Y
Conray Products, 510 6 Ave, N Y 11
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
P R Dreyer, 113 W 19 St, N Y
Dyechem Products Corp, 60 Broad St, N Y 4
Elbert & Co, 2 Broadway, N Y
Fallek Products Co, 163 Broadway, N Y 6
Frank C Farinella, 19 W 44 St, N Y
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Wm S Gray & Co, 342 Madison Ave, N Y 17
Howe & French, Mfg Dept, E Weymouth, Mass
Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Lellarts Lane, E Paterson, N J
Legion Chem, 70 Wall St, N Y 5
G C McClellan & Co, 141 Milk St, Boston 9, Mass
McKesson & Robbins, 155 E 44 St, N Y 17
Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 7, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
*Northwestern Chem Co, 120 N Aurora St, W Chicago, Ill
Ohio Solvents & Chem Co, 3470 W 140 St, Cleveland 11, Ohio
Philipp Bros Chem, 37 Wall St, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Phillips & Martin Co, 5524 N Wolcott Ave, Chicago, Ill

SECONDARY BUTYL ACETATE

Clear, colorless liquid belonging to medium boiling group of solvents. Dissolves many synthetic and natural resins and asphalt. Miscible with vegetable oils. Used in lacquers, films and plastic products.

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New York 19, N. Y.
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*Company classifies itself as manufacturer or producer of this product

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and Butyl Acetate

Indispensable solvents for smooth-flowing, blush-resistant nitrocellulose lacquers

COMMERCIAL SOLVENTS *Corporation*

17 EAST 42nd STREET, NEW YORK, N. Y.

BUTYL ACETATE, continued

*Publicker Industries, 1429 Walnut St, Phila, Pa
Charles L Read & Co, 120 Greenwich St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38
Safran Chem & Supply Co, 531-33 Washington St, Lynn, Mass
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Scholle Chem Corp, 6641 Ridge Ave, Chicago 26, Ill
Shawinigan Products Corp, 350 5 Ave, N Y 1
Shepard Chem Corp, 117 Liberty St, N Y 6
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
J U Starkweather Co, 241 Allens Ave, Providence, R I
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Tennessee Eastman Co, 10 E 40 St, N Y 16
Tuteur Bio-Chem, 60 Wall St, N Y 5
George Uhe Co, 76 9 Ave, N Y 14
*U S Industrial Chem, 60 E 42 St, N Y
United Sterling Corp, 37 E 28 St, N Y
Warner-Graham Co, President & Fawn Sts, Baltimore 2, Md

sec.-BUTYL ACETATE

$CH_3COOCH(CH_3)(C_2H_5)$. M.W. 116.09. Sp. gr. 0.875. (15°C). B.P. 112.2°C. Sol. alcohol. Uses—solvent; flavoring. Grades—tech.

Aceto Chem Co, 82 Beaver St, N Y 5
American Quinine Co, 15 William St, N Y
W W Angus, 220 Broadway, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Bell Chem Co, 25 W 44 St, N Y 18
Bergstrom Trading Co, 233 Broadway, N Y
F M Browning Co, 150 Broadway, N Y 38
Chem Service Corp, 82 Beaver St, N Y 5
*Commercial Solvents Corp, 17 E 42 St, N Y 17
Elbert & Co, 2 Broadway, N Y
*Enjay Co, 15 W 51 St, N Y 19
Frank C Farinella, 19 W 44 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Wm S Gray & Co, 342 Madison Ave, N Y 17
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Howe & French, Mfg Dept, E Weymouth, Mass
Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Leliarts Lane, E Paterson, N J
Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 7, Mo
*Northwestern Chem Co, 120 N Aurora St, W Chicago, Ill
Philipp Bros Chem, 37 Wall St, N Y
Plastichemicals Co, 1 Beekman St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
Safran Chem & Supply Co, 531-33 Washington St, Lynn, Mass
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
Tuteur Bio-Chem, 60 Wall St, N Y 5
*U S Industrial Chem, 60 E 42 St, N Y
*Verona Chem Co, 26 Verona Ave, Newark, N J
Menkl Zimmer, Box 5, Fresh Meadows Sta, Flushing, N Y

BUTYL ACETOACETATE

J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y

BUTYL ACETYL RICINOLEATE

Yellow, oily liq., mild odor. Miscible most common organic solvents. Sp. gr. 0.94 (20/20°C). Sap. N. 235. Saybolt test visc. 125sec. (100°F.). Practically insol. water. Dist. range 220-235°C. (93-5 mm mercury). Acidity approx. 5% calculated as ricinoleic acid. F.P. 110°C. Uses—plasticizer, emulsifier, lubricator, detergent. Grades—tech.

J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Commercial Solvents Corp, 1617 Penn Blvd, Phila, Pa
*Deecy Products Co, 120 Potter St, Cambridge 42, Mass

BUTYL ACETYL RICINOLEATE, continued

*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
C L Zimmerman Co, N-204 Cincinnati Union Terminal, Cincinnati 3, Ohio

n-BUTYLAMINE

$CH_3CH_2CH_2CH_2NH_2$. Sp. gr. at 20/20°C, 0.7385. B.P. 77.01°C; completely miscible with water; fp. per gal. at 20°C. 6.15. Has a characteristic ammoniacal odor, and with fatty acids forms soaps which show unusually high degree of solubility in hydrocarbons. It combines readily with acids, aldehydes, olefin oxides, chlorhydrins, and organic sulfur compounds, and is useful intermediate in making emulsifying agents, dyestuffs, rubber chemicals, flotation agents, corrosion inhibitors, and insecticides.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Sharples Chem, 123 S Broad St, Phila 9, Pa

BUTYL-p-AMINO BENZOATE

R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Purocaine Inc, Hockessin, Del
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
*Richmond Chem Corp, 1741 Richmond Terrace, S I 10, N Y

sec.-BUTYL BENZENE

$C_6H_5C_4H_9$. M.W. 134.60. Clear liq. B.P. 172.5° C. Uses—in nitration, oxidation, halogenation, hydrogenation, sulfonation, and dehydrogenation; in synthesis of dyestuffs and fine chemicals.

Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

tert.-BUTYL BENZENE

$C_6H_5C(CH_3)_3$. Colorless liq. M.P. —58°C. B.P. 168°C. Insol. water; sol. alcohol, ether.

Indoil Chem Co, 910 S Michigan Ave, Chicago 80, Ill
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
*Ultra Chem Works, 2 Wood St, Paterson 4, N J

BUTYL BENZOATE

$C_4H_9C_7H_5O_2$. M.W. 178.11. Colorless liq. Sp. gr. 1.002 (15°C). B.P. 250.3°C. Sol. alcohol, ether; insol. water. Uses—mfr. synth. perfumes; solvent; plasticizer. Grades—tech.

J M Baird Co, 147 Nassau St, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61

BUTYL BENZYL SEBACATE

$H_9C_7OOC(CH_2)_8COOC_4H_9$. M.W. 348. Light straw colored liq. Uses—plasticizers for vinyl resins and synth. rubbers.

J M Baird Co, 147 Nassau St, N Y
*Hardesty Chem Co, 41 E 42 St, N Y

BUTYL BORATE (Tributyl Borate)

$(C_4H_9)_3BO_3$. M.W. 230.16. Hydrolyzes with water. Sol. organic liq. B.P. 232.4°C., M.P. —70°C. Uses—dry ng agent; flameproofing; mfr. specialty lacquers, inks.

*Bios Labs, 17 W 60 St, N Y 23
*Commercial Solvents Corp, 1617 Penn Blvd, Phila, Pa

BUTYL BROMIDE (Iso) (1-Bromo-isobutane) (1-Bromo-2-Methyl-propane)

Colorless, oily liq. B.P. 90°C. Insol. water; miscible alcohol, ether.

BUTYL BROMIDE, continued

*Dow Chem Co, Midland, Mich
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

sec.-BUTYL BROMIDE (2-Bromobutane)

$CH_3CH_2CHBrCH_3$. M.W. 137. Clear, odorless liq. Uses—in organic syntheses, particularly as source of sec butyl radical.

*Dow Chem Co, Midland, Mich
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

tert.-BUTYL BROMIDE (2-Bromo-2-Methylpropane, 2-Bromoisobutane)

$(CH_3)_3CBr$. M.W. 136.99. Colorless liq. B.P. 72. At 210° changes to isobutyl bromide. M.P. —20°. Insol water; miscible organic solvents.

*Dow Chem Co, Midland, Mich
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

n-BUTYL BROMIDE (Bromobutane)

$CH_3(CH_2)_3Br$. Colorless liq. Sp. gr. 1.275. B.P. 101.6°C. Insol. water; sol. alcohol, ether. Uses—mfr organic chemicals; pharmaceuticals. Grades—pure; tech

*Dow Chem Co, Midland, Mich
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

BUTYL BUTYRATE (Isobutyl Isobutyrate)

$(CH_3)_2CH.COO.CH_2.CH(CH_3)_2$. Colorless, neutral liq. Sp. gr. 0.858 (15°C). B.P. 156.9°C. Sol. alcohol, ether; insol. water. Uses—solvent for nitrocellulose lacquers. Grades—tech.

Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Polak & Schwartz, 667 Washington St, N Y 14
*Verona Chem Co, 26 Verona Ave, Newark, N J

BUTYL CARBITOL see Ether, Diethylene Glycol Monobutyl

p-tert-BUTYL CATECHOL

$(CH_3)_3C.C_6H_3(OH)_2$. Colorless cryst. M.P. 56°C B.P. 285°C.

*Dow Chem Co, Midland, Mich

BUTYL CELLOSOLVE see Ether, Ethylene Glycol Monobutyl

BUTYL "CELLOSOLVE" STEARATE

(*Reg. Trade-Mark—Carbide & Carbon Chemicals Corp.) $C_{17}H_{33}COOC_2H_4OC_4H_9$. M.W. 384. Sol. alcohols, ketones, esters, aromatic and aliphatic hydrocarbons, fats, oils and waxes; insol. water. Uses—plasticizer for vinyl resins, cellulose esters and synth. rubber; lubricant for textiles and leather.

W W Angus, 220 Broadway, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
De Bear Inc, 636 11 Ave, N Y 19
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Ohio-Apex, Nitro, W Va
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

n-BUTYL CHLORIDE

J M Baird Co, 147 Nassau St, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

BUTYL CITRATE (N-Butyl Citrate, Tributyl Citrate)

$(C_4H_9)_3C_6H_5O_7$. M.W. 360.26; colorless or pale yellow odorless liq. Sp. gr. 1.045$^{20}_{20}$; B.P. 233°C mm, M.P. 20°; insol. water; miscible with most organic liq. Uses—plasticizer and solvent for nitrocellulose lacquers in polishes, inks and similar preps

J M Baird Co, 147 Nassau St, N Y
Bell Chem Co, 25 W 44 St, N Y 18
*Commercial Solvents Corp, 1617 Penn Blvd, Phila, Pa
McKesson & Robbbins, 155 E 44 St, N Y 17
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y

n-BUTYL DIETHANOLAMINE

Water-white to pale straw-colored liq. of slight ammoniacal odor. Sp. gr. at 20°C., 0.97. Dist. Range (Engler), 272-315°C.

BUTYL ESTERS OF FATTY ACIDS

W W Angus, 220 Broadway, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
J M Baird Co, 147 Nassau St, N Y
*Baker Castor Oil Co, 120 Broadway, N Y 5
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill

*Company classifies itself as manufacturer or producer of this product

BUTYL ESTERS OF FATTY ACIDS, continued

*Deecy Products Co, 120 Potter St, Cambridge 42, Mass
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Ohio-Apex, Nitro, W Va
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Witco Chem Co, 295 Madison Ave, N Y 17

tert-BUTYL HYDROPEROXIDE

$(CH_3)_3COOH$. M.W. 90.12. Water-white liq. Sol. common organic solvents. This product is a mixture of tert-Butyl hydroperoxide, di-tert-butyl-peroxide, tert-butyl alcohol and a small amount of water. Uses—bleaching, pharmaceutical application, polymer catalyst.

*Novadel-Agene Corp, Lucidol Div, 1740 Military Rd, Buffalo 5, N Y

BUTYL p-HYDROXYBENZOATE

American Roland Corp, 16 Hudson St, N Y
*Goldschmidt Chem Corp, 153 Waverly Pl, N Y 14
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

sec.-BUTYL IODIDE

$C_3H_8CHICH_3$. M.W. 183.99. Colorless liq. turns brown on exposure to light. B.P. 119°C. Sol. alcohol, ether; insol. water.

*Matheson Co, Paragon Div, E Rutherford, N J
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

n-BUTYL IODIDE (Iodobutane)

$CH_3(CH_2)_3I$. Colorless liq. Sp. gr. 1.617. B.P. 127° C. Insol. water; sol. alcohol, ether. Uses—mfr. organic chemicals, pharmaceuticals. Grades—pure, tech.

*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

n.-BUTYL LACTATE

$CH_3CHOHCOOC_4H_9$. M.W. 51. colored liq. Sp. gr. 0.968 (20°C). M.P. —43°C. B.P. 160-90°C. Wt. per gal., 8.15 (68°F.). Sl. sol. in water; sol. gasoline (60° Baume). Uses—mfr. perfumes, lacquers, enamels, printing inks, intermediates; as solvent. Grades—tech.

W W Angus, 220 Broadway, N Y
J M Baird Co, 147 Nassau St, N Y
Bell Chem Co, 25 W 44 St, N Y 18
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Commercial Solvents Corp, 17 E 42 St, N Y 17

BUTYL LITHIUM

C_4H_9Li. M.W. 63.98. Colorless solution of butyl lithium in low boil. pet. ether. Uses—organic synthesis, pharmaceuticals.

*Algo Chem Co, 1027 S Deacon St, Detroit, Mich

tert-BUTYL MERCAPTAN

C_4H_9CH. M.W. 90.30. B.P. 62.76°C. Uses—odorant, chemical intermediate.

*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

n-BUTYL METHACRYLATE

$CH_2{:}C{\cdot}(CH_3){\cdot}CO_2C_4H_9$. M.W. 142. Uses—potting compound, cement for optical glass, polymerization.

J M Baird Co, 147 Nassau St, N Y
Monomer-Polymer, 511 Lancaster St, Leominster, Mass
*Rohm & Haas Co, Washington Square, Phila 5, Pa

BUTYL MYRISTATE

$C_{13}H_{27}COOC_4H_9$. M.W. 284.5. Uses—plasticizer, lubricant for textiles, paper stencils, cosmetic preps.

W W Angus, 220 Broadway, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa

BUTYL OLEATE

$CH_3(CH_2)_7CH{=}CH(CH_2)_7COOC_4H_9$. M.W. 338.5. Uses—plasticizer for ethyl cellulose, cellulose nitrate, etc.; solvent for ester gum, useful where low temp.

W W Angus, 220 Broadway, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J

BUTYLOXIDE see Ether, n-Butyl

tert-BUTYL PERBENZOATE

$C_6H_5CO(O_2)C(CH_3)_3$. M.W. 194.22. Sl. straw-colored liq. Sol. common organic solvents. Uses—bleaching, pharmaceutical application, high temp. polymer catalyst.

*Novadel-Agene Corp, Lucidol Div, 1740 Military Rd, Buffalo 5, N Y

di-tert-BUTYL PEROXIDE

*Novadel-Agene Corp, Lucidol Div, 1740 Military Rd, Buffalo 5, N Y
*Shell Chem Corp, 50 W 50 St, N Y 20

p-sec-BUTYL PHENOL (4-sec-Butylphenol)

$C_{10}H_{14}O$. M.W. 150.2. White to sl. yellow crystalline solid with strong odor. B.P. 100 mm. Hg, 170°C.; B.P. 10 mm. Hg., 114°C.; Sp. gr. 60/25°C., 0.953; F.P. 50°C. Uses—fungicide; also intermediate in the mfr. of synth. res ns.

J M Baird Co, 147 Nassau St, N Y

p-tert-BUTYL PHENOL

$C_{10}H_{14}O$. M.W. 150. White sol., aromatic odor. F.P. 97-98°C. Insol. water. Uses—mfr. synth resins for paints and varnishes; mfr. certain resinous products.

J M Baird Co, 147 Nassau St, N Y
*Dow Chem Co, Midland, Mich

BUTYL PHOSPHATE

$(C_4H_9)_3PO_4$. Colorless, liq., mild pleasant odor. Miscible lacquer solvent. Sp. gr. 0.985. B.P. 255-260°C. F.P. 170°C. Uses—mfr. nitrocellulose plastics having low temp. flex bility; insulat.ng impregnator for paper. Grades—tech.

*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

BUTYL PROPIONATE

$C_3H_5CO_2C_4H_9$. M.W. 130.11. Colorless liq. Sp. gr. 0.875 (20°C). Flash point 105°F. B.P. 145.4°C. Insol. water. Miscible with alcohol, ether. Shipping Wt. per gal. 7.28 lbs. Uses—mfr. lacquers, synth. perfumes, etc., solvent for nitrocellulose. Grades—tech.

J M Baird Co, 147 Nassau St, N Y
Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Verona Chem Co, 26 Verona Ave, Newark, N J

n-BUTYL RICINOLEATE

$C_6H_{13}CHOH{-}CH_2CH{=}CH(CH_2)_7COOC_4H_9$. M.W. 354. Clear, light straw-colored l.q.; low viscosity. Uses—lubricant additive; plasticizer.

J M Baird Co, 147 Nassau St, N Y
*Baker Castor Oil Co, 120 Broadway, N Y 5
Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Deecy Products Co, 120 Potter St, Cambridge 42, Mass
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa

n-BUTYL STEARATE

$C_{17}H_{35}CO_2.C_4H_9$. Colorless liq. Sol. alcohol, ether.

W W Angus, 220 Broadway, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Deecy Products Co, 120 Potter St, Cambridge 42, Mass
*Hardesty Chem Co, 41 E 42 St, N Y
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
McKesson & Robbins, 155 E 44 St, N Y 17
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Ohio-Apex, Nitro, W Va
Republic Chem Corp, 94 Beekman St, N Y 38
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Witco Chem Co, 295 Madison Ave, N Y 17

1,3-BUTYLENE GLYCOL

*Celanese Corp of America, 180 Madison Ave, N Y 16

2-3 BUTYLENE GLYCOL (Butanediol)

$CH_3{\cdot}CHOH{\cdot}CHOH{\cdot}CH_3$. M.W. 90.08. Nearly colorless sol. or liq., hygroscopic. Sp. gr. 1.000 (25°C). B.P. 184°C. M.P. 24°C.-27°C. Miscible with water in all proportion. Refractive Index 1.438 (20°C). Uses—solvent for dyes, has good penetration into wood and textiles, is resistant against alkali, non-resistant against most mineral acids. Forms nitrates with nitric. Forms resins with phthalic anhydride. Grades—99% 2-3 butylene glycol.

*Celanese Corp of America, 180 Madison Ave, N Y 16

3-BUTYN-1-OL (beta-Ethynyl Ethanol)

$HC{\equiv}CCH_2CH_2OH$. M.W. 70.09. Colorless liq. characteristic odor. Uses—organic syntheses, pharmaceuticals, plastics.

*Bios Labs, 17 W 60 St, N Y 23
*Farchan Research Labs, 609 E 127 St, Cleveland 8, Ohio

3-BUTYN-2-OL (Methyl Ethynyl Carbinol)

$HC{\equiv}C{\cdot}C(OH)CH_3$. M.W. 70.1. Colorless liq.; characteristic odor. Uses—organic synthesis, pharmaceuticals, plastics.

*Bios Labs, 17 W 60 St, N Y 23
*Farchan Research Labs, 609 E 127 St, Cleveland 8, Ohio

1-BUTYNE see Ethyl Acetylene

n-BUTYRALDEHYDE

C_4H_8O. M.W. 72.10. Colorless liq. B.P. 75.7°C. Sl. sol. in water; very sol. in organic solvents.

*Tennessee Eastman Co, 10 E 40 St, N Y 16

BUTYRIC ANHYDRIDE

$(C_3H_7CO)_2O$. Liq. B.P. 198.2°C. Sp. gr. .9676 at 20°/20°C. Uses—organic synthesis.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

BUTYRONE see Dipropyl Ketone

BUTYRYL CHLORIDE (Iso)

$(CH_3)_2CH.CO.Cl$. M.W. 106.51. Colorless liq. Sp. gr. at 4mm, 1.017. M.P. —90°C. B.P. 92°C. Sol. ether. Uses—organic synthesis.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

CABLE FILLING COMPOUNDS

Plastic compounds for filling joints to prevent entrance of moisture and to give suitable electric properties. Should be acid and alkali-resistant, possess high waterproofing qualities, excellent adhesive properties, bonding perfectly to metals, porcelain, and glass. Should be extremely flexible.

American Firstoline Corp, 420 Lexington Ave, N Y
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Portland Gas & Coke Co, Public Service Bldg, Portland 4, Ore

CABLE WEATHER PROOFING COMPOUNDS

*American Anode, 60 Cherry St, Akron 8, Ohio
American Firstoline Corp, 420 Lexington Ave, N Y
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
*R M Hollingshead Corp, 840 Cooper St, Camden, N J
*Monsanto Chem Co, Plastics Div, Springfield, Mass

CACHOU see Cutch

CACODYLATES

Uses—medicinal, pharmaceutical.

American Quinine Co, 15 William St, N Y
American Roland Corp, 16 Hudson St, N Y
*Arenol Chem Corp, 40-33 23 St, L I C 1, N Y
Philipp Bauer Co, 2 W 47 St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
De Lamar Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
*Lamex Chem Corp, 25 Broadway, N Y 4
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Polychem Co, 494 Hunts Point Ave, N Y 59
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
George Uhe Co, 76 9 Ave, N Y 14

CADMIUM (Metal)

Cd. Silver-white crystalline bars or grayish-white powd. Sp. gr. 8.642 (17°C). M.P. 320.9°C. B.P. 767°C. Sol. acids, ammonium nitrate. Uses—mfr. cadmium salts, cadmium vapor lamps, smoke bombs, small arms ammunition, white pigment, alloys, electrical instruments, incandescent light filaments, electroplating cadmium, aluminum solder; substitute for tin in solders; dental amalgams; ceramic coatings; deoxidizer in metallurgy; coloring glass; nickel plating; process engraving; lithography. Grades—tech.; pure sticks, slabs, anodes, etc.

American Firstoline Corp, 420 Lexington Ave, N Y
*American Zinc Sales Co, 1600 Paul Brown Bldg, St Louis 1, Mo
*Anaconda Copper Mining Co, 25 Broadway, N Y 4
J T Baker Chem Co, Phillipsburg, N J
*Bram Chem Co, 820 65 Ave, Phila 26, Pa
Chematar Inc, Exchange Pl, N Y 5
Donald Sales & Mfg Co, 6601 W State St, Milwaukee 13, Wis
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
European Chem Co, 366 Broadway, N Y 13
Fallek Products Co, 163 Broadway, N Y 6
Gen Color Co, 24 Ave B, Newark 5, N J
Charles Gitlan & Co, 25 Beaver St, N Y 4

*Company classifies itself as manufacturer or producer of this product



CADMIUM

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INGOTS MOSSY DISCS WIRE
SLABS SHEET SOLDERS ALLOYS

ALSO REFINERS OF CADMIUM SCRAP

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330 BELMONT AVENUE BROOKLYN 7, N. Y.

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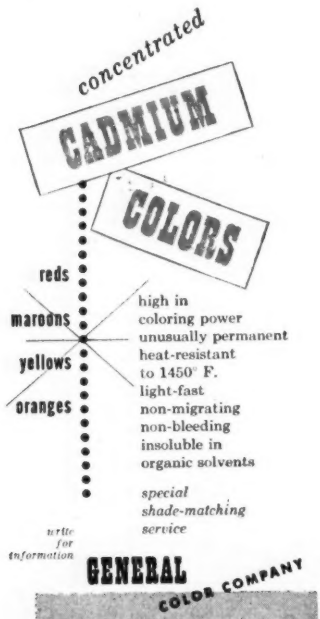
CADMIUM METAL, continued

Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Industrial Sales Corp, 500 Fifth Ave, N Y 18
L J & M La Place, Leliarts Lane, E Paterson, N J
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
*National Zinc Co, P O Box 579, Bartlesville, Okla
*New Jersey Zinc Sales Co, 160 Front St, N Y 38
Northwest Lead Co, 2700 16 Ave S W, Seattle, Wash
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
George F Smith, 60 E 42 St, N Y 17
*U S Smelting Refining & Mining Co, 57 William St, N Y 5

CADMIUM ACETATE

$Cd(CH_3COO)_2{\cdot}2H_2O$. Colorless cryst. sl. odor acetic acid. Sp. gr. 2.01. Sol. alcohol, ether. Uses—mfr. acetates; assistant dyeing and printing textiles; dentistry; laboratory reagent.

American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6



write for information

GENERAL COLOR COMPANY

263 WRIGHT STREET
NEWARK 5, NEW JERSEY

CADMIUM BROMIDE

$CdBr_2$. White to yellowish efflorescent needle cryst. Sp. gr. 5.192 (dry). M.P. 568°C. B.P. 963°C. Sol. water, sl. sol. alcohol, ether. Uses—in photographic emulsions; process engraving; lithography. Grades—tech.; C.P.

Barclay Chem Co, 75 Varick St, N Y
*Dow Chem Co, Midland, Mich
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

CADMIUM CARBONATE

$CdCO_3$. M.W. 172.4. Sp. gr. 4.26. White, rhombic cryst. or amorp. powd. Decomp. on heating. Insol. water; sol. acids or ammonium salt solutions.

American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y

CADMIUM CHLORIDE

$CdCl_2$ and $CdCl_2{\cdot}2\frac{1}{2}H_2O$. White amorp. mass or white cryst. Sp. gr. 3.32 (cryst.) and 4.047. M.P. 568°C. B.P. 861 to 954°C. Sol. water, alcohol. Uses—mfr. cadmium salts; dyeing and printing textiles; cadmium plating; photographical and laboratory reagent. Grades—tech.; C.P.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
L J & M La Place, Leliarts Lane, E Paterson, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Republic Chem Corp, 94 Beekman St, N Y 38
Robinson Bros Chem, 255 Randolph St, Bklyn 6, N Y

CADMIUM COLORS

J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Calco Chem Div, Bound Brook, N J
Stanley Doggett, 75 Varick St, N Y 13
Eastern Color & Chem Co, 145 Nassau St, N Y 7
Filo Color & Chem Corp, 202 E 44 St, N Y
*Gen Color Co, 24 Ave B, Newark 5, N J
R B Huber, 216 Tremont St, Boston 16, Mass
*Ky Color & Chem Co, 600 N 34 St, Louisville 12, Ky
D H Osgood Co, 4181 Oakman Blvd, Detroit 4, Mich
F H Paul & Stein Bros, 100 Gold St, N Y 38
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Vitro Mfg Co, 60 Greenway Dr & Corliss Sta, Pittsburgh, Pa
Witco Chem Co, 295 Madison Ave, N Y 17

CADMIUM 2-ETHYLHEXOATE (Cadmium Octoate)

$Cd(CH_3(CH_2)_3CH(C_2H_5)CO_2)_2$. M.W. 398.81. Amber amorp. solid. Uses—solid and solutions used to stabilize polyvinyl chloride and copolymers against light and heat.

*Argus Chem Lab, 56 Clifton Pl, Bklyn 5, N Y
*Ferro Chem Corp, Krick Rd, Bedford, Ohio
Mathe Chem Co, 169 Milbank St, Lodi, N J

CADMIUM IODIDE

CdI_2. White flaky cryst. Occurs in two allotropic forms. Sp. gr. alpha 5.67, beta 5.30. M.P. of beta salt 404°C. M.P. 388°C. B.P. 712°C. Sol. water, alcohol, ether ammonia. Uses—photographic iodizing agent; process engraving; lithography; in medicine. Grades—tech.; C.P.

CADMIUM IODIDE, continued

*J T Baker Chem Co, Phillipsburg, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

CADMIUM NAPHTHENATE

M.W. about 570. 19% metal, straw color, soft solid. Sol. hydrocarbons. Uses—hydration catalyst, stabilizer for resinous masses.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Argus Chem Lab, 56 Clifton Pl, Bklyn 5, N Y
Mathe Chem Co, 169 Milbank St, Lodi, N J

CADMIUM NITRATE

$Cd(NO_3)_2{\cdot}4H_2O$. White hydroscopic lumps or cryst. Sp. gr. 2.45b. M.P. 59.5°C. B.P. 132°C. Sol. water, alcohol. Uses—coloring porcelains, potteries, glass; laboratory reagent. Grades—tech.; C.P.

*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St N Y 6

CADMIUM OXIDE

CdO. Yellowish-red or brownish-black powd. Sp. gr. 6.95-8.11. Sol. acids; insol. water. Uses—mfr. cadmium salts; chemical catalyst; pigment in ceramics; cadmium galvanoplating. Grades—tech.

American Firstoline Corp, 420 Lexington Ave, N Y
*American Smelting & Refining Co, 120 Broadway N Y 5
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
De Bear Inc, 636-11 Ave, N Y 19
*E I Du Pont de Nemours & Co, Electrochem Dept Wilmington 98, Del
European Chem Co, 366 Broadway, N Y 13
M O Grove & Co, 310 Sacramento St, San Francisco Cal
L J & M La Place, Leliarts Lane, E Paterson, N J
Republic Chem Corp, 94 Beekman St, N Y 38
Thompson-Hayward Chem Co, 2915 Southwest Blvd Kansas City 8, Mo
Vitro Mfg Co, 60 Greenway Dr & Corliss Sta, Pittsburgh, Pa
A T Wagner Co, 2720 Wight St, Detroit 7, Mich

CADMIUM RICINOLEATE

$Cd(CH_3(CH_2)_5CHOHCH_2CHCH(CH_2)_7CO_2)_2$. M.W. 706.95. White solid. Uses—solid and modified solution used to stabilize polyvinyl chloride and copolymers against light and heat.

*Argus Chem Lab, 56 Clifton Pl, Bklyn 5, N Y
J M Baird Co, 147 Nassau St, N Y
*Baker Castor Oil Co, 120 Broadway, N Y 5
*Ferro Chem Corp, Krick Rd, Bedford, Ohio

CADMIUM SELENIDE (Cadmium Red)

CdSe. M.W. 191.6. Red powd. Insol. water. Uses—in rubber mfr. to increase resistance to abrasion; mfr. lacquers, oil paints; in enameling.

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Chem & Pigment Co, 6401 St Helena Ave, Baltimore 22, Md
Filo Color & Chem Corp, 202 E 44 St, N Y
*Gen Color Co, 24 Ave B, Newark 5, N J
*Ky Color & Chem Co, 600 N 34 St, Louisville 12, Ky
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y

CADMIUM STEARATE

$Cd(C_{18}H_{35}O_2)_2$. M.W. 679. Fine white powd. M.P. 104°C. Uses—stabilizer for vinyl resins, mildew proofing agent for textiles.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Argus Chem Lab, 56 Clifton Pl, Bklyn 5, N Y
Barclay Chem Co, 75 Varick St, N Y
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
R B Huber, 216 Tremont St, Boston 16, Mass
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10 Ill
*Mathe Chem Co, 169 Milbank St, Lodi, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Prior Chem Corp, 420 Lexington Ave, N Y 17
*Warwick Chem Co Div, Wood River Junction, R I
*Witco Chem Co, 295 Madison Ave, N Y 17

CADMIUM SULFATE

$3CdSO_4{\cdot}8H_2O$. White cryst. Sp. gr. 3.087 (25°C) Sol. alcohol, water. Uses—mfr. cadmium electric batteries; in medicine. Grades—tech.; C.P.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
Filo Color & Chem Corp, 202 E 44 St, N Y
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38

CADMIUM SULFIDE (Cadmium Yellow, Jaune Brilliant, Greenockite, Aurora Yellow, Orange Cadmium, Orient Yellow)

*Company classifies itself as manufacturer or producer of this product

CADMIUM SULFIDE, continued

CdS. Two modifications, orange-colored or light yellow powd. mfr. and natural. Sp. gr. 3.9-4.8 (mid.); d.8-4.9 (nat.). Sublimes at 980°C. Sol. acids, ammonia. Uses—mfr. blue flame pyrotechnics, glazes for glass; as pigment for paints, varnishes, paper, rubber, soap, glass and textiles; in ceramic glazes; color photography. Grades—various as to color, purity and fineness.

J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Chem & Pigment Co, 6401 St Helena Ave, Baltimore 22, Md
Filo Color & Chem Corp, 202 E 44 St, N Y
*Gen Color Co, 24 Ave B, Newark 5, N J
M D Grove & Co, 310 Sacramento St, San Francisco, Cal
Mutchler Chem Co, 258 Broadway, N Y 7
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y

CADMIUM TUNGSTATE (Cadmium Wolframate)

$CdWO_4$. Yellow, solid crystalline. Sol. ammonium hydroxide; sl. sol. water. Uses—mfr. fluorescent paint; catalyst in making intermediates. Grades—tech.

City Chem Corp, 132 W 22 St, N Y 11
*North Metal & Chem Co, 638 E Mason Ave, York, Pa

CADMIUM WOLFRAMATE see Cadmium Tungstate

CADMIUM YELLOW see Cadmium Sulfide

CAESIUM

Silver-white, soft, ductile metal. Uses—photo-electric cells.

*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
*Maywood Chem Works, Maywood, N J
*Var-Lac-Old Chem Co, 116 Broad St, N Y 4

CAESIUM SALTS

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*Bios Labs, 17 W 60 St, N Y 23
City Chem Corp, 132 W 22 St, N Y 11
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
*Maywood Chem Works, Maywood, N J
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
Sterone Corp, 250 W 57 St, N Y 19

CAFFEINE (1,3,7-Trimethylxanthine, Theine)

$C_8H_{10}N_4O_2 \cdot C_7H_8O_2$. M.W. 194.11. White needles from alcohol. M.P. 235-237°C. Sol. water, alcohol. Uses—medicine and beverages. Grades—U.S.P., anhydrous crystalline loss on drying at 80°C., 6.5% max. on anhydrous—25% max.

*American Quinine Co, 15 William St, N Y
J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Conray Products, 510 6 Ave, N Y 11
European Chem Co, 366 Broadway, N Y 13
*Fallek Products Co, 163 Broadway, N Y 6
Gane & Ingram, 43 W 16 St, N Y 11
Legion Chem, 70 Wall St, N Y 5
*Maywood Chem Works, Maywood, N J
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Overseas Trading Corp, 420 Lexington Ave, N Y 17
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Sterone Corp, 250 W 57 St, N Y 19
Tuteur Bio-Chem, 60 Wall St, N Y 5
George Uhe Co, 76 9 Ave, N Y 14

CAFFEINE ALKALOID

$C_8H_{10}O_2N_4 \cdot H_2O$. M.W. 212. Solid. Sublimes at 178°C. M.P. anhydrous 253°C. Sl. sol. water, alcohol, benzene; sol. chloroform, ethyl acetate. Uses—in medicine as diuretic, stimulant.

*American Quinine Co, 15 William St, N Y
American Roland Corp, 16 Hudson St, N Y
Conray Products, 510 6 Ave, N Y 11
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Gane & Ingram, 43 W 16 St, N Y 11
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*J L Hopkins & Co, 477 Keap St, Bklyn 11, N Y
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Hummel Chem Co, 90 West St, N Y 6
*Mallinckrodt Chem, 2 & Mallinckrodt St, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y

CAFFEINE ALKALOID, continued

Products Trading Corp, 1775 Broadway, N Y 19
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Tuteur Bio-Chem, 60 Wall St, N Y 5

CAFFEINE, CITRATED (True Salt)

$C_8H_{10}O_2N_4 \cdot C_6H_8O_7$. M.W. 386.17. White cryst. powd.; acid reaction. Sol.—water, alcohol with decomposition into the free base and acid.

*American Quinine Co, 15 William St, N Y
J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Conray Products, 510 6 Ave, N Y 11
Gane & Ingram, 43 W 16 St, N Y 11
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Products Trading Corp, 1775 Broadway, N Y 19
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
George Uhe Co, 76 9 Ave, N Y 14

CAKE ALUM see Aluminum Sulfate

CALCIC LIVER OF SULFUR see Calcium Sulfide

CALCINED BARYTA see Barium Oxide

CALCINED MAGNESIA see Magnesium Oxide

CALCITE see Calcium Carbonate

CALCIUM (Metal)

Ca. White, soft, crystalline metal. Sp. gr. 1.578 (15° C). M.P. 8810°C. Sol. acids. Uses—mfr. intermediates, alloys; dehydrating oils; metallurgical purposes; reducing agent in smelting; decarburization and desulfurization of iron and iron alloys; in place of sodium in chemical reactions.

J T Baker Chem Co, Phillipsburg, N J
*Electro Metallurgical Co, 30 E 42 St, N Y 17
*Metal Hydrides, 16 Congress St, Beverley, Mass

CALCIUM ACETATE (Lime Acetate, Acetate of Lime, Brown Acetate, Vinegar Salts, Gray Acetate, Lime Pyrolignite)

$Ca(CH_3COO)_2H_2O$. M.W. 176.14. Brown, gray, white powd., amorp. or crystalline. Decomp. on heating. Sol. water; sl. sol. alcohol. Uses—mfr. acetone, acetic acid, acetates; mordant in dyeing and printing textiles. Grades—tech. (80% basis); C.P.; pure, brown, gray.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Wm S Gray & Co, 342 Madison Ave, N Y 17
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Prior Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38

CALCIUM ALUMINATE

$CaAl_2O_4$. White powd. Sp. gr. 3.67. For uses and containers see Sodium Aulminate.

*Puerto Rico Alcohol Co, 370 7 Ave, N Y 1

CALCIUM ARSENATE (Tricalcium o-Arsenate)

$Ca_3(AsO_4)_2 + 3H_2O$. White powd. Sp. gr. 3.23. Decomp. on heating. Very sl. sol. water. Uses—as germicide, insecticide, fungicide. Grades—dry powd.; C.P.; tech.

*American Agricultural Chem Co, 50 Church St, N Y 7
American Firstoline Corp, 420 Lexington Ave, N Y
Amplex Chem Co, 60 Wall St, N Y
W R E Andrews Sales, 1505 Race St, Phila, Pa
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*California Spray-Chem Corp, Lucas & Ortho Way, Richmond, Cal
Chem Mfg Co, 21 West St, N Y
*Chipman Chem Co, Bound Brook, N J
*Commercial Chem Co, P O Box 86, Memphis 1, Tenn
Continental Commodities Corp, 230 Park Ave, N Y 17
Harry Dixon & Sons, 250 Park Ave, N Y 17
Duff Chem Co, 342 Madison Ave, N Y 17

CAFFEINE U. S. P.
HYDROUS & ANHYDROUS
CAFFEINE CITRATE N. F.
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MU-3-3203

CALCIUM ARSENATE, continued

*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Elbert & Co, 2 Broadway, N Y
European Chem Co, 366 Broadway, N Y 13
Faesy & Besthoff, 325 Spring St, N Y 13
Florida Agricultural Supply Co, 1611 Talleyrand Ave, Jacksonville, Fla
International Selling Corp, 70 Pine St, N Y 5
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Mutchler Chem Co, 258 Broadway, N Y 7
Nopel Corp, 2 Broadway, N Y 4
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
*Pittsburgh Plate Glass Co, Corona Chem Div, 235 E Pittsburgh Ave, Milwaukee, Wis
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
George F Smith, 60 E 42 St, N Y 17
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Tobacco By-Products & Chem Corp, 401 E Main St, Richmond, Va

CALCIUM ARSENITE

$CaAsO_3H$. White, amorp. powd. Insol. water. Uses—mfr. germicidals, insecticides. Grades—tech.

Chem Mfg Co, 21 West St, N Y
International Selling Corp, 70 Pine St, N Y 5
Nopel Corp, 2 Broadway, N Y 4
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

CALCIUM BENZOATE

$Ca(C_7H_5O_2)_2 \cdot 3H_2O$. White powd. or cryst. Uses—medicinal.

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

CALCIUM BENZYLPHTHALATE

*Bios Labs, 17 W 60 St, N Y 23
*Fallek Products Co, 163 Broadway, N Y 6
*Polychem Co, 494 Hunts Point Ave, N Y 59
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

CALCIUM BIPHOSPHATE see Calcium Phosphate (Monobasic)

CALCIUM BISULFITE

$Ca(HSO_3)_2$. Exists only in solution and is really a solution of $CaSO_3$ in aqueous solution of SO_2. Sl

CALCIUM BISULFITE, continued

yellowish liq. Sp. gr. 1.06 (15°C). Sol. water, acids. Uses—mfr. chromium bisulfide; antichlor in bleaching textiles; bleaching sponges; general preservative; sulfite pulp; disinfectant in washing barrels; in brewing; in medicine. Must not be permitted to come in contact with common metals. Grades—tech.

J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Bios Labs, 17 W 60 St, N Y 23

CALCIUM BORATE

$Ca(BO_2)_2.2H_2O$. M.W. 161.7. White cryst. Sol. hot water, dilute acids. Antiseptic and astringent.

Sterling Borax Co, P O Box 217, New Brighton, Pa

CALCIUM BROMIDE

$CaBr_2$. M.W. 199.91. White gran. cryst.; also lumps flakes. Sp. gr. 3.353; deliq. Sol. water, alcohol Grades—tech; C.P.; granular; U.S.P.; C.P. Anhydrous. Uses—dehydrating agent; food preservative road treatment; fireproofing paints; freezing mixtures; sizing compounds; wood preservative; in medicine.

American Roland Corp, 16 Hudson St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
*Dow Chem Co, Midland, Mich
Fellows Medical Mfg Co, 26 Christopher St, N Y 14
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Jos Turner & Co, Ridgefield, N J

CALCIUM CACODYLATE

$Ca(Me_2AsO_2)_2.H_2O$. M.W. 332.1 White powd. Sol. water. Uses—in hypodermic medication.

Conray Products, 510 6 Ave, N Y 11
*Lamex Chem Corp, 25 Broadway, N Y 4
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

CALCIUM CAMPHORSULFONATE

$(C_{10}H_{15}O_4S)_2Ca$. M.W. 502.6. White, odorless stable powd.; sol. water. Uses—medicinal.

Philipp Bauer Co, 2 W 47 St, N Y
Conray Products, 510 6 Ave, N Y 11
*Fallek Products Co, 163 Broadway, N Y 6
*Fine Organics, 211 E 19 St, N Y 3
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
*Lamex Chem Corp, 25 Broadway, N Y 4
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*Polychem Co, 494 Hunts Point Ave, N Y 59

CALCIUM CARBIDE (Acetylenogen, Acetylith)

CaC_2. Grayish-black lumps. Sp. gr. 2.22 (15°C) M.P. 2300°C. Decomp. water to form acetylene Uses—mfr. acetylene, calcium cyanamid, lampblack, intermediates; reducing agent; in fertilizers; welding agent smelting ores; steel hardener; signal lights; general illuminating purposes; dehydrating agent of desiccated foods Grades—tech.; as to size.

*Air Reduction Sales Co, 60 E 42 St, N Y 17
Alcar Products Co, 154 Nassau St, N Y 38
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Chematar Inc, Exchange Pl, N Y 5
Chem Mfg Co, 21 West St, N Y
Elbert & Co, 2 Broadway, N Y
*Electro Metallurgical Co, 30 E 42 St, New York, N Y
Mutchler Chem Co, 258 Broadway, N Y 7
*National Carbide Co, 60 E 42 St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
*Shawinigan Products Corp, 350 5 Ave, N Y 1
Shepard Chem Corp, 117 Liberty St, N Y 6
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

CALCIUM CARBONATE (Whiting, Precipitated Chalk, Spanish Whiting, Calcite Aragonite, Limestone, English White Marble Dust)

$CaCO_3$. White powd., solid, manufactured, natural. Sp gr. 2.7-2.949. Decomp. at 825°C. Sol. acid, ammonium chloride; insol. water. Uses—mfr. cement, ceramics lime, calcium salts, carbon dioxide, ammonium chloride, intermediates, organic chemicals, tooth paste, dyestuffs fertilizer, mineral waters, crayons, building stone; putty in plaster and mortar; as neutralizing agent; chemical catalyst; flux; linoleum filler; polishing agent; paint and

DIAMOND PRECIPITATED CALCIUM CARBONATES

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MILLICAL*
MULTIFEX*
MULTIFEX* MM
SUPER MULTIFEX*
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SURFEX*
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CLEVELAND 14, OHIO

DIAMOND ALKALI CHEMICALS

*Company classifies itself as manufacturer or producer of this product

CALCIUM CARBONATE, continued

varnish filler; paint pigment; paper filler; sealing oil wells; rubber filler; clarifying sugar; dyeing and printing textiles; in medicine. Grades—pure; C.P.; U.S.P.; tech., as to color, purity, and fineness. (See also Chalk and Whiting.)

American-British Chem Supplies, 180 Madison Ave, N Y
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Austin White Lime Co, Box 53, Austin, Tex
J M Baird Co, 147 Nassau St, N Y
*H J Baker & Bros, 271 Madison Ave, N Y 16
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Co, 75 Varick St, N Y
*Calcium Carbonate Co, 222 W Adams St, Chicago, Ill
*Harry T Campbell Sons, Towson, Baltimore 4, Md
R E Carroll, 231 Broad St Bank Bldg, Trenton 1, N J
Charles B Chrystal Co, 53 Park Pl, N Y 7
C B Coburn Co, 63 Market St, Lowell, Mass
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Commercial Minerals Co, 210 Irwin St, San Francisco 7, Cal
*G & W H Corson, Plymouth Meeting, Pa
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
Downer, Hunnewell & Co, 131 State St, Boston 9, Mass
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Wm D Egleston Co, 249 5 St, Cambridge 42, Mass
Frank G Fanning, 50 E 42 St, N Y 17
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Hammill & Gillespie, 225 Broadway, N Y 7
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Kennedy Minerals Co, 2550 E Olympic Blvd, Los Angeles 23, Cal
E & F King & Co, 640 Pleasant St, Norwood, Mass
Kingston Chem Co, 15 William St, N Y 5
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
L J & M La Place, Leliarts Lane, E Paterson, N J
*Lewis Co, 232 Canal St, N Y 13
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Carl F Miller & Co, 1217 6 Ave S, Seattle, Wash
*Mississippi Lime Co, 7 Alby St, Alton, Ill
Mutchler Chem Co, 258 Broadway, N Y 7
Republic Chem Corp, 94 Beekman St, N Y 38
H N Richards Co, 1475 Prospect St, Trenton 8, N J
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
L A Salomon & Bro, 216 Pearl St, N Y 38
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Smead & Small, 1630 Hanna Bldg, Cleveland 15, Ohio
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Smith Lime Flour Co, 35 Livingston St, Elizabeth 1, N J
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Thompson, Weinman & Co, 52 Vanderbilt Ave, N Y 17
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
*Warner Co, 219 N Broad St, Phila 7, Pa
Robert I Webber Co, 52 Vanderbilt Ave, N Y 17
*West Va Pulp & Paper Co, 230 Park Ave, N Y 17
Wollen Chem & Supply Co, 126 6 Ave, Paterson, N J
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*C K Williams & Co, 640 N 13 St, Easton, Pa
Witco Chem Co, 295 Madison Ave, N Y 17
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich
Zehrung Chem Co, 2201 N W 20 Ave, Portland 9, Ore

CALCIUM CHLORIDE

$CaCl_2H_2O$. White, deliq. crystalline or amorp. Tech. article is either solid or flake or in solution. Sp. gr. 2.152 (20°C.) and 1.654 resp. M.P. 774°C. and 29.48°C. resp. B.P. (for salt + $2H_2O$) 129-130°C. Sol. water, alcohol. Uses—mfr. tartaric acid ammonium chloride, precipitated chalk, chemical salts, intermediate and organic chemicals, gun-powder, mineral waters, starches, paper size, dry colors, fireproof paints, metallic calcium; drying agent for gases; food preservative; refrigerating and anti-freezing solutions; cooling solutions in ice plants; textile size and finishing cotton fabrics; purifying water; disinfectant; dehydrating petroleum; preserving wood; laboratory reagent; anti-freezing solutions in automobile radiators; dust layer for roads; fire protection; weed killer; preventing explosions in collieries and in washing coal; tempering metals; drying fruits and vegetables before canning; in medicine. Grades—C.P.; U.S.P.; tech.; liq.; flakes; granulated; powdered; solid—73-75%.

S L Abbot Co, 135 King St, San Francisco 7, Cal
Aetna Color & Chem Co, 60 Linden Ave, E Paterson, N J
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*Anderson Trading Corp, 66 Beaver St, N Y 44
Arnold, Hoffman & Co, 55 Canal St, Providence, R I
Atlantic Chem & Equipment Co, 874 Ashby St N W, Atlanta 3, Ga



PURECAL*
CALCIUM CARBONATE
U.S.P. Precipitated

Purecal is known for its exceptional whiteness, purity and uniformity • For paper, plastics, rubber, paint, ink and pharmaceuticals • Grades in controlled particle sizes as small as .03 microns for specific uses.

*Reg. U. S. Pat. Off.

Samples and data available upon request

Wyandotte
REG. U. S. PAT. OFF.

WYANDOTTE CHEMICALS CORPORATION
WYANDOTTE, MICHIGAN • OFFICES IN PRINCIPAL CITIES

Soda Ash • Caustic Soda • Bicarbonate of Soda • Calcium Chloride
Calcium Carbonate • Chlorine • Hydrogen • Dry Ice • Synthetic Detergents • Glycols • Carbose (Sodium CMC) • Ethylene Dichloride • Propylene Dichloride • Aromatic Sulfonic Acid Derivatives
Other Organic and Inorganic Chemicals

CALCIUM CHLORIDE

1. Dowflake®
2. Peladow
3. Calcium Chloride 77-80%
4. Calcium Chloride 94-96%

(New high-test anhydrous pellets)

DOW PRODUCES MORE THAN 600 CHEMICAL PRODUCTS.

THE DOW CHEMICAL COMPANY
MIDLAND • MICHIGAN

DOW

SALES OFFICES:

Atlanta, Boston, Chicago, Cleveland, Detroit, Houston, Los Angeles, New York, Philadelphia, San Francisco, Seattle, St. Louis, Washington, Dow Chemical of Canada, Ltd. Toronto

COLUMBIA

ESSENTIAL INDUSTRIAL CHEMICALS

CALCIUM CHLORIDE

Soda Ash . Caustic Soda . Sodium Bicarbonate · Liquid Chlorine · Calcium Chloride · Silene EF · Silene L · Hi-Sil · Calcene TM · Soda Briquettes · Modified Sodas · Caustic Ash · Phosflake · Pittchlor · Chlorinated Benzenes · Pacific Crystals · Muriatic Acid · Benzene Hexachloride · Perchlorethylene

OFFICES IN PRINCIPAL CITIES

Executive Offices: Columbia-Southern Chemical Corporation, Subsidiary of Pittsburgh Plate Glass Co., Fifth Avenue at Bellefield, Pittsburgh 13, Pa.
District Offices: Chicago • Boston • New York • Philadelphia • Minneapolis Cleveland • St. Louis • Cincinnati • Charlotte • Houston • Dallas • New Orleans

COLUMBIA-SOUTHERN
CHEMICAL CORPORATION
A Subsidiary of Pittsburgh Plate Glass Company

FIFTH AVENUE AT BELLEFIELD, PITTSBURGH 13, PA.

*Company classifies itself as manufacturer or producer of this product

SOLVAY
CHEMICALS

CALCIUM CHLORIDE

Flake, 77-80%, meeting A.S.T.M. specifications. Liquid—Solid—Powdered.

SOLVAY SALES DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.

BRANCH SALES OFFICES
Boston • Charlotte • Chicago • Cincinnati • Cleveland • Detroit
Houston • New Orleans • New York • Philadelphia • Pittsburgh
St. Louis • Syracuse

Soda Ash • Caustic Soda • Caustic Potash • Formaldehyde • Chlorine
Potassium Carbonate • Nytron • Sodium Bicarbonate • Calcium Chloride
Specialty Cleansers • Ammonium Chloride • Methanol • Sodium Nitrite
Ammonium Bicarbonate • Ortho-dichlorobenzene • Monochlorobenzene
Para-dichlorobenzene

CALCIUM CHLORIDE, continued

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Bartlett Chem, 1460 Peters St, New Orleans 13, La
Bonewitz Chem, P O Box 560, Burlington, Iowa
Braun Corp, 2260 E 15 St, Los Angeles 21, Cal
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
E S Browning Co, 1515 3 St, San Francisco, Cal
F M Browning Co, 150 Broadway, N Y 38
Carrier-Stephens Co, Lansing, Mich
R E Carroll, 231 Broad St Bank Bldg, Trenton 1, N J
Central Illinois Labs, 1801 S Washington St, Peoria, Ill
Central O B Products Co, 1230 Genessee St, Buffalo, N Y
Chem Mfg Co, 21 West St, N Y
John A Chew, 60 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
Cole Labs, 42-25 9 St, L I C 1, N Y
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Dow Chem Co, Midland, Mich
Duso Chem Co, Fulton St, Poughkeepsie, N Y
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Elbert & Co, 2 Broadway, N Y
Empire Chem Corp, 21 West St, N Y 6
Faesy & Besthoff, 325 Spring St, N Y 13
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Great Lakes Chem Co, 2525 S 50 Ave, Chicago 50, Ill
*E Gumpert Co, 75 West St, N Y 12
*H & W Chem, 182-200 Anderson Ave, Rochester 3, N Y
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Herbert Chem Co, Vine St & Murray Rd, Cincinnati 7, Ohio
H H Heyman, 244 E 91 St, N Y 28
*Hill Bros Chem Co, 1525 S 28 St, San Diego, Cal
Abner Hood Chem Co, 507 N Montgall Ave, Kansas City 1, Mo
*A C Horn Co, 10 St & 44 Ave, L I C 1, N Y
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
George E Howard, Riverview Manor, Harrisburg, Pa
Hughes Chem Supply Co, 1411 Fleet St, Baltimore, Md
Ideal Chem & Supply Co, P O Box 5597, Memphis 4, Tenn
Industrial Chem Products Co, 422 E Beacon St, Dayton 2, Ohio
Innis, Speiden & Co, 117 Liberty St, N Y 6
E & F King & Co, 640 Pleasant St, Norwood, Mass
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill

CALCIUM CHLORIDE, continued

L J & M La Place, Leliarts Lane, E Paterson, N J
A Lee Co, Box 898, Lawrence, Mass
Legion Chem, 70 Wall St, N Y 5
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
George Mann & Co, 251 Fox Point Blvd, Providence, R I
Marlowe-Van Loan Corp, Box 1851, High Point, N C
McKesson & Robbins, 155 E 44 St, N Y 17
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
Merchants Chem Co, 60 E 42 St, N Y 17
Merchants Products Corp, Margaret & Pearce Sts, Phila 37, Pa
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Carl F Miller & Co, 1217 6 Ave S, Seattle, Wash
Miller Chem & Fertilizer Corp, 1000 S Caroline St, Baltimore 31, Md
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Nowlin Co, 1410 Throckmorton St, P O Box 1153, Fort Worth, Tex
Onalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Pioneer Salt Co, 940 N Delaware Ave, Phila, Pa
Charles L Read & Co, 120 Greenwich St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Beercow Co, 25 E 26 St, N Y 10
Scher Bros, 519 Getty Ave, Clifton, N J
Seaboard Industries, 195 Keen St, Paterson, N J
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Silk City Chem Co, 200 Carlisle Ave, Paterson 1, N J
*Solvay Sales Div, 40 Rector St, N Y 6
Speiden-Whitfield Co, 154 Nassau St, N Y 38
J U Starkweather Co, 241 Allens Ave, Providence, R I
*F H Taussig Chem, 175 W 76 St, N Y 23
Tesco Chem, Box 173, Sta C, Atlanta, Ga
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
George W Travis & Co, Cornwall-On-Hudson, N Y
Jos Turner & Co, Ridgefield, N J
Van Waters & Rogers, 4000 1 Ave S, Seattle, Wash
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
Joseph Weinstein, 4743 Walnut St, Phila, Pa
Welch, Holme & Clark Co, 439 West St, N Y 14
Western Chem, Ft S W Gibbs St, Portland, Ore
Western Chem & Mfg Co, 3270 E Washington Blvd, Los Angeles 23, Cal

CALCIUM CHLORIDE, continued

Wollen Chem & Supply Co, 126 6 Ave, Paterson, N J
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich
Zehrung Chem Co, 2201 N W 20 Ave, Portland 9, Ore

CALCIUM CHLORIDE (Anhydrous)

$CaCl_2$. White powd. Uses—as a desiccant. Cont — various.

Adams-Henry Chem Co, 32 Broadway, N Y 4
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
Braun Corp, 2260 E 15 St, Los Angeles 21, Cal
John A Chew, 60 E 42 St, N Y 17
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Dow Chem Co, Midland, Mich
Faesy & Besthoff, 325 Spring St, N Y 13
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Merchants Chem Co, 60 E 42 St, N Y 17
Monarch Chem Works, 22 & Ave H, Omaha, Neb
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*George W Travis & Co, Cornwall-On-Hudson, N Y
Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Joseph Weinstein, 4743 Walnut St, Phila, Pa

CALCIUM CHROMATE (Anhydrous)

J M Baird Co, 147 Nassau St, N Y
*Mineral Pigments Corp, Muirkirk, Md

CALCIUM CITRATE

$Ca_3(C_6H_5O_7)_2.4H_2O$. M.W. 570.38. White powd M.P. $-2H_2O$, 130°C. B.P. $-4H_2O$, 185°C Sl sol. alcohol, water. Uses—medicine.

J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y

CALCIUM CREOSOTATE

Mixture of calcium compounds of the constituents of creosote. Dark brown powd., empyreumatic odor, sharp phenolic taste. Uses—same as creosote in medicine as an antiseptic and an antipyretic.

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

CALCIUM CYANAMIDE

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Republic Chem Corp, 94 Beekman St, N Y 38

CALCIUM CYANIDE (Powdered Cyanic Acid)

$CaCN_2$, also $Ca(CN)_2.3Ca0.15H_2O$. Pure grade white powd., tech. grades gray sl-black. Decomp. on heating Sol. water. Uses—mfr. cyanamid; hardening iron; insecticide and fungicide for killing rodents. Grades—A dust; tech.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
J M Baird Co, 147 Nassau St, N Y
L J & M La Place, Leliarts Lane, E Paterson, N J
Republic Chem Corp, 94 Beekman St, N Y 38

CALCIUM DICHROMATE (Calcium Bichromate)

$CaCr_2O_7$. M.W. 256. Orange cryst., hydroscopic. Uses—laboratory chemical.

J M Baird Co, 147 Nassau St, N Y

CALCIUM DIHYDROGEN PHOSPHATE see Calcium Phosphate (Monobasic)

CALCIUM 2-ETHYLHEXOATE (Calcium Octoate)

$Ca[CH_3(CH_2)_3CH(C_2H_5)CO_2]_2$. M.W. 322.5. Nearly colorless amorp. solid. Uses—liq. solutions used in paints, varnishes and enamels as a drier auxiliary.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
Mathe Chem Co, 169 Milbank St, Lodi, N J
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill



CALCIUM CHLORIDE

Flake, 77-80%, meeting A.S.T.M. specifications
Liquor • Solid • Anhydrous • Broken Solid

Wyandotte
REG. U. S. PAT. OFF.

WYANDOTTE CHEMICALS CORPORATION
WYANDOTTE, MICHIGAN • OFFICES IN PRINCIPAL CITIES

Soda Ash • Caustic Soda • Bicarbonate of Soda • Calcium Chloride
Calcium Carbonate • Chlorine • Hydrogen • Dry Ice • Synthetic
Detergents • Glycols • Carbose (Sodium CMC) • Ethylene Dichloride • Propylene Dichloride • Aromatic Sulfonic Acid Derivatives
Other Organic and Inorganic Chemicals

*Company classifies itself as manufacturer or producer of this product

CALCIUM FERROCYANIDE

$Ca_2Fe(CN)_6.12H_2O$. Yellow cryst. Decomp. on heating. Sol. water. Uses—mfr. of citric and tartaric and other acids. Grades—tech.

Phillips & Jacobs, 620-22 Race St, Phila, Pa

CALCIUM FLUORIDE see Fluorspar

CALCIUM FORMATE

$Ca(OOH)_2$. M.W. 130.09. Hard, colorless cryst. Uses—mfr. of formic acid, metallic and organic formate derivatives; chemical intermediate.

*J T Baker Chem Co, Phillipsburg, N J
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Trojan Powder Co, 17 N 7 St, Allentown, Pa

CALCIUM GLUCONATE

$[C_6H_9(OH)_5COO]_2Ca$. M.W. 430.30 Uses—in mfr. medicinals and pharmaceuticals.

American-British Chem Supplies, 180 Madison Ave, N Y
*American Quinine Co, 15 William St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Conray Products, 510 6 Ave, N Y 11
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
*Mallinckrodt Chem, 2 Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

CALCIUM GLUTAMATE

J M Baird Co, 147 Nassau St, N Y
*Bios Labs, 17 W 60 St, N Y 23

CALCIUM GLYCEROPHOSPHATE

$CaO_2PO.OC_3H_5(OH)_2$. M.W. 210.18. White, odorless powd. Sol. water, insol. alcohol. Uses—medicine. Grade—90% minimum.

Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Bios Labs, 17 W 60 St, N Y 23
European Chem Co, 366 Broadway, N Y 13
Faliek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, Louis 4, Mo
*Nepera International Corp, 37 Wall St, N Y 5
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Polychem Co, 494 Hunts Point Ave, N Y 59
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
George Uhe Co, 76 9 Ave, N Y 14

CALCIUM GUAIACOL SULFONATE (Guaiacyl)

$Ca(C_6H_3OHOCH_3CO_3)_2$. Bluish-gray powd. Uses—medicinal.

American Roland Corp, 16 Hudson St, N Y
Conray Products, 510 6 Ave, N Y 11
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

CALCIUM HYDRATE see Lime (Hydrated), Chemical

CALCIUM HYDRIDE

CaH_2. M.W. 42. Uses—source of hydrogen; drying agent, reducing and condensing agent.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*Metal Hydrides, 16 Congress St, Beverley, Mass

CALCIUM HYDROXIDE (Lime Hydrate)

$Ca(OH)_2$ M.W. 74.10. Sp. gr. 2.343. White powd. Sol. 0.185. 9/100cc @ 0° C. 0.077 g/100cc @ 100° C. Uses—in mfr. cements; mortars; calcium salts; depilatory; paints; in softening of hard boiler feed water; in conversion of soda and recovered ash into caustic soda; in medicine; chlorinated lime; dehairing hides; purifying sugar juices.

*Air Reduction Sales Co, 60 E 42 St, N Y 17
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Zabell Chem Co, 101 22 St, Huntington, W Va
Hammill & Gillespie, 225 Broadway, N Y 7
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn

CALCIUM FERROCYANIDE

HENRY BOWER CHEMICAL
MANUFACTURING COMPANY
29th & GRAY'S FERRY ROAD, PHILADELPHIA 46, PA.

CALCIUM HYDROXIDE, continued

*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Mississippi Lime Co, 7 Alby St, Alton, Ill
Palmyra Lime Products Co, P O Box 187, Clarksville, Tenn
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Smith Lime Flour Co, 535 Livingston St, Elizabeth 1, N J
*Warner Co, 219 N Broad St, Phila 7, Pa
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

CALCIUM HYPOCHLORITE—see also Bleaching Powder

$Ca(OCl)_2$. Dry stable powd. containing 70% available chlorine. Uses—as laundry and textile bleach; germicide and deodorant in dairy, food plants, swimming pools, water works, etc.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
J H Bauminger, 421 7 Ave, N Y
E S Browning Co, 1515 3 St, San Francisco, Cal
Cabell Chem Co, 101 22 St, Huntington, W Va
Chem Mfg Co, 21 West St, N Y 6
Chem Service Corp, 82 Beaver St, N Y 5
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
David & Co, 140 Market St, Paterson 1, N J
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Elbert & Co, 2 Broadway, N Y
Empire Chem Corp, 21 West St, N Y 6
*Fields Point Mfg Corp, Box 95 Edgewood Sta, Providence 5, R I
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Herbert Chem Co, Vine St & Murray Rd, Cincinnati 17, Ohio
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
*J W Jones Co, 135 Hardwood Ave, Caledonia, N Y
Kingston Chem Co, 15 William St, N Y 5
A Lee Co, Box 898, Lawrence, Mass
Legion Chem, 70 Wall St, N Y 5
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal

CALCIUM HYPOCHLORITE, continued

Merchants Chem Co, 60 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
Pioneer Salt Co, 940 N Delaware Ave, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Seaboard Industries, 195 Keen St Paterson, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
J U Starkweather Co, 241 Allens Ave, Providence, R I
Ben P Steele Co, 342 Madison Ave, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8 Mo
*Western Chem Co, Box 703, Altoona, Pa
White Star Chem Corp, 2030 E Adams St, Jacksonville, Fla
Wollen Chem & Supply Co, 126 6 Ave, Paterson, N J

CALCIUM HYPOPHOSPHITE

J T Baker Chem Co, Phillipsburg, N J
Conray Products, 510 6 Ave, N Y 11
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Oldbury Electro Chem Co, 19 Rector St, N Y 6
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

CALCIUM IODIDE

CaI_2. M.W. 293.92. Yellowish-white. Very hygroscopic. Sp. gr. 3.956 @ 25°C. M.P. 575°C. B.P. 718°C.

J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

CALCIUM LACTATE

Contains not less than 70% and not more than 75% of Ca $(C_3H_5O_3)_2$ corresponding to not less than 98% of the hydrated salt $[Ca(C_3H_5O_3)_2 3H_2O]$. White granular masses or powd. Efflorescent; usually odorless; becomes anhydrous at 120°C. Grades—U.S.P. and edible. Uses—mfr. foods, beverages.

*American Maize Products Co, 100 E 42 St, N Y 17
American Quinine Co, 15 William St, N Y
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y

CALCIUM GLYCEROPHOSPHATE
and Other
GLYCEROPHOSPHATES
GALLARD SCHLESINGER
CHEMICAL COMPANY
92-94 LIBERTY ST., NEW YORK 6, N.Y.
RECTOR 2-0262 CABLE: GALLARDKEM

*Company classifies itself as manufacturer or producer of this product

SHEFFIELD

CALCIUM LACTATE

U.S.P.

Edible

Technical

SHEFFIELD FARMS CO., INC.
CHEMURGIC DIVISION, NORWICH, N.Y.

CALCIUM LACTATE, continued

*Clinton Foods, Clinton, Iowa
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Kingston Chem Co, 15 William St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Sheffield Farms Co, Chemurgic Div, Box 630, Norwich, N Y
Sterone Corp, 250 W 57 St, N Y 19

CALCIUM LACTOPHOSPHATE

Mixture of calcium lactate, calcium acid lactate and calcium biphosphate. White odorless powd. Sol. water; insol. alcohol. Uses—to obtain therapeutic effects of calcium.

*Arenol Chem Corp, 40-33 23 St, L I C 1, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

CALCIUM LAURATE

*Mathe Chem Co, 169 Milbank St, Lodi, N J

CALCIUM LEVULINATE

$Ca(CH_3.CO.(CH_2)_3COO)_2 2H_2O$. White powd. Sol. water; insol. ether. Uses—medicinal (calcium therapy). Grades—C.P. Cont.—fiber, plywood, various sizes.

American Roland Corp, 16 Hudson St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
*Fine Organics, 211 E 19 St, N Y 3
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
*Lamex Chem Corp, 25 Broadway, N Y 4
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
Tuteur Bio-Chem, 60 Wall St, N Y 5

CALCIUM LIGNIN SULFONATE

*American-Marietta Co, 101 E Ontario St, Chicago 11, Ill
*Marathon Corp, Rothschild, Wis
*Puget Sound Pulp & Timber Co, Bellingham, Wash

CALCIUM LINOLEATE

$Ca(C_{12}H_{31}O_2)_2$. White amorp. powd. Sol. alcohol, ether; insol. water. Uses—mfr. paints, varnishes, waterproofing compounds. Grades—tech.

J M Baird Co, 147 Nassau St, N Y
Beier Co, 150 Nassau St, N Y 38
*Shepherd Chem Co, 2803 Highland Ave, Cincinnati 12, Ohio
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill

CALCIUM MAGNESIUM CHLORIDE (Magnesium Calcium Chloride)

$CaCl_2MgCl_2$. White, deliq. crystalline solid. Sol. water, acids. Uses—mfr. intermediates, synth. dyes, organic chemicals, artificial mineral waters, dry colors, fireproof paints, ammonium chloride, paper size; dehydrating agent in chemical processes; preserving and fireproofing wood; sizing and finishing textiles; freezing mixtures; as preservative; dehydrating starch; laboratory reagent. Grades—tech.

*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

CALCIUM MANDELATE

$Ca(C_6H_5CHOHCOO)_2$. M.W. 342.19. White crystalline powd. Sl. sol. water, alcohol. Uses—in medicine as urinary antiseptic.

*Calco Chem Div, Bound Brook, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J

CALCIUM MOLYBDATE

$CaMoO_4$. M.W. 200.08. White cryst powd. Insol. water, alcohol; sol. in con. mineral acids. Sp. gr. 4.35.

J M Baird Co, 147 Nassau St, N Y

CALCIUM NAPHTHENATE

See Aluminum Naphthenate for uses.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
J M Baird Co, 147 Nassau St, N Y
R B Huber, 216 Tremont St, Boston 16, Mass
Mathe Chem Co, 169 Milbank St, Lodi, N J
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Oronite Chem Co, 38 Sansome St, San Francisco, Cal
Chas Page & Co, 50 E 42 St, N Y 17
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Witco Chem Co, 295 Madison Ave, N Y 17

CALCIUM NICOTINATE

$(C_5H_4NCOO)_2Ca$. M.W. 284. Colorless prisms. Insol. water. Uses—pharmaceutical.

*Bios Labs, 17 W 60 St, N Y 23

CALCIUM NITRATE (Lime Nitrate, Wall Saltpeter, Lime Saltpeter, Norwegian Saltpeter, Nitrocalcite, Norge Niter)

$Ca(NO_3)_2 4H_2O$. White, deliq. mass. Sp. gr. 1.9 (15° C). M.P. 42.31°C. B.P. 132°C. Sol. water alcohol. Uses—mfr. inorganic nitrates, pyrotechnics, incandescent gas mantles; fertilizer. Grades—tech.; pure; C.P.

J M Baird Co, 147 Nassau St, N Y
*H J Baker & Bros, 271 Madison Ave, N Y 16
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Berlow & Schlosser Co, 401 Industrial Trust Bldg, Providence, R I
Bradley & Baker, 155 E 44 St, N Y 17
Croton Chem Corp, 114 Liberty St, N Y 6
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Woodward & Dickerson, 1400 S Penn Sq, Phila, Pa

CALCIUM NITRIDE

Ca_3N_2. M.W. 148.26. Uses—high temp. vacuum melting; ceramics.

*Bios Labs, 17 W 60 St, N Y 23

CALCIUM OLEATE

$[C_8H_{17}CH:CH(CH_2)_7COO]_2Ca$. M.W. 602.64. Uses—in mfr. certain kinds of pigment materials and driers.

J M Baird Co, 147 Nassau St, N Y
*Witco Chem Co, 295 Madison Ave, N Y 17

CALCIUM OXALATE

$CaC_2O_4H_2O$. M.W. 146.10. White cryst. Sol. HCl HNO_3; insol. water.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

CALCIUM OXIDE (Lime, Burnt Lime, Calx, Quick-Lime)

CaO. M.W. 56.08. White hard lumps. Sp. gr. 3.40 M.P. 2.572°C. Sol. acid. Uses—for making mortar plaster; mfr. of chlorinated lime; making calcium hydroxide which is used medicinally, etc.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Charles B Chrystal Co, 53 Park Pl, N Y 7
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Kelley Island Lime & Transport Co, Leader Bldg, Cleveland, Ohio
*Mississippi Lime Co, 7 Alby St, Alton, Ill
Palmyra Lime Products Co, P O Box 187, Clarksville, Tenn
Republic Chem Corp, 94 Beekman St, N Y 38
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Smith Lime Flour Co, 535 Livingston St, Elizabeth 1, N J
*Warner Co, 219 N Broad St, Phila 7, Pa
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

CALCIUM OXYCHLORIDE see Bleaching Powder

CALCIUM PANTOTHENATE

$(C_9H_{16}O_5N)_2Ca$. Prepared from Beta-alanine and butyraldehyde. White odorless, microcrystalline powd. It is dextrorotatory. Freely sol. in water; neutral or sl. alkaline to litmus.

Philipp Bauer Co, 2 W 47 St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Calco Chem Div, Bound Brook, N J
Conray Products, 510 6 Ave, N Y 11
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
Gane & Ingram, 43 W 16 St, N Y 11
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Lamex Chem Corp, 25 Broadway, N Y 4
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Marine Products Co, 345 W 1 St, Boston 27, Mass
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Edgar Ostrander Co, 220 5 Ave, N Y 1
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*R P Scherer Corp, 9425 Grinnell Ave, Detroit 13, Mich
Tuteur Bio-Chem, 60 Wall St, N Y 5

CALCIUM PERCHLORATE

*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

Baker

CALCIUM NITRATE TECH.

Baker CHEMICALS

J. T. BAKER CHEMICAL CO.
PHILLIPSBURG, N. J.

New York • Boston • Philadelphia • Los Angeles • Chicago • Toronto

*Company classifies itself as manufacturer or producer of this product

CALCIUM PERMANGANATE (Acerdol)

$Ca(MnO_4)_2.4H_2O$. M.W. 350. Sp. gr. 2.4. Purple hygroscopic prisms that decomp. on heating. Sol. water. Uses—as a disinfectant; in research. It is more active and less stable than potassium permanganate.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*Carus Chem Co, Box 364, La Salle, Ill

CALCIUM PEROXIDE

$CaO_2.8H_2O$. White to yellow crystalline powd. Sl sol. in water. Avail. oxygen 13.4%. Uses—as a bactericide detergent, mfr. cosmetic preparations; in medicine; prevents fermentation of organic matter. Grades—60-75%.

American-British Chem Supplies, 180 Madison Ave, N Y
J M Baird Co, 147 Nassau St, N Y
Becco Sales Corp, Station B, Buffalo 7, N Y
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

CALCIUM PHENOLSULFONATE see Calcium Sulfocarbolate

CALCIUM PHOSPHATE see Calcium Phosphate (Monobasic)

CALCIUM o-PHOSPHATE see Calcium Phosphate (Tribasic)

sec-CALCIUM PHOSPHATE see Calcium Phosphate (Dibasic)

tert-CALCIUM PHOSPHATE see Calcium Phosphate (Tribasic)

CALCIUM PHOSPHATE, DIBASIC (Dicalcium o-Phosphate, Bicalcic Phosphate, Bibasic Calcium Phosphate, Secondary Calcium Phosphate)

$CaHPO_4 + 2H_2O$. White, deliq. powd. Sp. gr. 2.306 (16.5°C). Decomp. at 25°C. Sol. acids; insol. water, alcohol. Uses—mfr. glass; fertilizer; leavening agent in baking; in medicine; as tooth paste polishing agent. Grades—tech.; pharmaceutical; pure food.

*American Agricultural Chem Co, 50 Church St, N Y 7
American-British Chem Supplies, 180 Madison Ave, N Y
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Chem Mfg Co, 21 West St, N Y
Elbert & Co, 2 Broadway, N Y
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

CALCIUM PHOSPHATE, HEMIBASIC

$CaHPO_4(PO_4)_2$. White cryst., quite hygroscopic. Completely sol. water, decomp. in alcohol. Uses—acidulants.

Barclay Chem Co, 75 Varick St, N Y
John A Chew, 60 E 42 St, N Y 17

CALCIUM PHOSPHATE, MONOBASIC (Acid, Calcium Phosphate, Calcium Biphosphate, Calcium Phosphate, Primary Monocalcium Phosphate, Acid Phosphate of Lime, Calcium Dihydrogen Phosphate, Mono-basic Calcium Phosphate)

$CaH_4P_2O_8.H_2O$. M.W. 252.17. White deliq. crystalline powd. or granules. Sp. gr. 2.9. Loses water at 100°C. Decomp. at 200°C. Sl. sol. water, acids. Uses—mfr. baking powd.; in flour mills. Grades—tech.; C.P.

S L Abbot Co, 135 King St, San Francisco 7, Cal
American-British Chem Supplies, 180 Madison Ave, N Y
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
John A Chew, 60 E 42 St, N Y 17
Elbert & Co, 2 Broadway, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

Victor

MONO-, DI-, AND TRICALCIUM

PHOSPHATES

VICTOR CHEMICAL WORKS

141 W. Jackson Blvd., Chicago 4, Illinois

CALCIUM PHOSPHATE, TRIBASIC (Precipitated Calcium Phosphate, Tricalcium o-Phosphate, Calcium o-Phosphate, Tricalcium Phosphate, Tricalcic Phosphate, Tert-Calcium Phosphate)

$Ca_3(PO_4)_2$. White, amorp. powd. Sp. gr. 3.14. M.P. 1670°C. Sol. acids; insol. water, alcohol. Uses—mfr. phosphorus, milk, glass, porcelains, potteries, ceramic glazes, monobasic calcium phosphate, polishing powd., rubber, cattle foods; clarifying sugar syrups; mordant in dyeing and printing textiles with turkey red; in medicine. Grades—tech.; pure precipitated; C.P.; U.S.P. VII.

S L Abbot Co, 135 King St, San Francisco 7, Cal
American-British Chem Supplies, 180 Madison Ave, N Y
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Braun Corp, 2260 E 15 St, Los Angeles 21, Cal
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Elbert & Co, 2 Broadway, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

CALCIUM PHOSPHATE, PRECIPITATED see Calcium Phosphate, Tribasic

CALCIUM PHYTATE

*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
*Corn Products Refg Co, 17 Battery Pl, N Y 4
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Lamex Chem Corp, 25 Broadway, N Y 4

CALCIUM PROPIONATE

$Ca(CH_3CH_2COO)_2$. M.W., 186.16; white powd. Sol.—water, sl. in alcohol.

J M Baird Co, 147 Nassau St, N Y

CALCIUM PYRO PHOSPHATE (Pyrophosphate of Calcium)

CaP_2O_7. An amorp. white powd. Uses—as a polishing base in dentifrices; as a mild abrasive for metal polishing. Grades—Anhyd. (contains above 54% P_2O_5).

CALCIUM PYROPHOSPHATE, continued

J M Baird Co, 147 Nassau St, N Y
Elbert & Co, 2 Broadway, N Y
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
*Victor Chem Works, 141 Jackson Blvd, Chicago 4, Ill

CALCIUM RESINATE

$Ca(C_{44}H_{62}O_4)_2$. Yellowish-white, amorp. powd. or lumps. Sol. acids; insol. water. Uses—mfr. potteries, porcelains, perfumes, cosmetics, enamels, waterproofing compounds for fabrics, wood, paper, etc.; as amber substitute; tanning leather. Grades—tech.

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
J M Baird Co, 147 Nassau St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*J Meyer & Sons, 4321 N 4 St, Phila 40, Pa
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill

CALCIUM RICINOLEATE

$Ca[CH_3(CH_2)_5CHOHCH_2CHCH(CH_2)_7CO_2]_2$. M. W 630. Fine white powd. Uses—greases and lubricants water, sl. in alcohol.

Argus Chem Lab, 56 Clifton Pl, Bklyn 5, N Y
J M Baird Co, 147 Nassau St, N Y
*Baker Castor Oil Co, 120 Broadway, N Y 5

CALCIUM d-SACCHARATE (Antacidin, Saccharated Lime)

White powd. Sol. water. Uses—in preserving and drying milk; medicine.

*Bios Labs, 17 W 60 St, N Y 23
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
George Uhe Co, 76 9 Ave, N Y 14

CALCIUM SALICYLATE

$Ca(C_6H_4OH.COO)_2.2H_2O$. M.W. 350.25. White, odorl., tasteless cryst. Sol. water. Uses—medicine Grades—purity 99+%.

*Dow Chem Co, Midland, Mich
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

MONSANTO

CALCIUM PHOSPHATES

Mono Calcium Phosphate • Di Calcium Phosphate

Tri Calcium Phosphate • Calcium Pyrophosphate

Conform with requirements of Federal and State Pure Food Laws. For food and industrial use.

MONSANTO CHEMICAL COMPANY

Phosphate Division

St. Louis 4, Mo.

SERVING INDUSTRY . . . WHICH SERVES MANKIND

MONSANTO CHEMICALS—PLASTICS

*Company classifies itself as manufacturer or producer of this product

STEARATES
• ZINC • CALCIUM • MAGNESIUM
• BARIUM • CADMIUM
• LEAD • COPPER • STRONTIUM
• CHROMIUM • COBALT • IRON
• MANGANESE • NICKEL • MERCURY
MATHE
MATHE CHEMICAL COMPANY
169 MILLBANK STREET • LODI, NEW JERSEY

CALCIUM SILICATE

White amorp. powd., Uses—medicinal.

Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

CALCIUM STEARATE (Calcium Stearinate)

$Ca(C_{14}H_{35}O_2)$. White, pulverized mass or powd. Sol. alcohol, ether; insol. water. Uses—waterproofing textiles, plastics, concrete, wood. Grades—tech.

*Advance Solvents & Chem Corp, 245 S Ave, N Y 16
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
J M Baird Co, 147 Nassau St, N Y
Braun Corp, 2260 E 15 St, Los Angeles 21, Cal
*Cabell Chem Co, 101 22 St, Huntington, W Va
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
R B Huber, 216 Tremont St, Boston 16, Mass
Hyde & Bates, 17 John St, N Y 38
Innis, Speiden & Co, 117 Liberty St, N Y 6
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*Leffingwell Chem Co, P O Box 191, Whittier, Cal
Lewis Chem Co, 400 Northampton St, Boston 18, Mass
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Mathe Chem Co, 169 Milbank St, Lodi, N J
McKesson & Robbins, 155 E 44 St, N Y 17
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
Merchants Chem Co, 60 E 42 St, N Y 17
*Metasap Chem Co, Logan & Davis Sts, Harrison, N J
Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*M W Parsons-Plymouth, 59 Beekman St, N Y 38
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Prior Chem Corp, 420 Lexington Ave, N Y 17
Walter A Reinicke, 549 W Washington Blvd, Chicago 6, Ill
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
George F Smith, 60 E 42 St, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mos

CALCIUM STEARATE, continued

*Warwick Chem Co Div, Wood River Junction, R I
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*Witco Chem Co, 295 Madison Ave, N Y 17

CALCIUM STEARINATE see Calcium Stearate

CALCIUM SUCCINATE

$(CH_2COO)_2Ca$. M.W. 210.16. White, crystalline powd. Sl. sol. water; diluted acids. Uses—medicinal.

American Roland Corp, 16 Hudson St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Conray Products, 510 6 Ave, N Y 11
*Fallek Products Co, 163 Broadway, N Y 6
*Gane's Chem Works, 677 5 Ave, N Y 22
Gane & Ingram, 43 W 16 St, N Y 11
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Industrial Service Labs, 710 W National Ave, Milwaukee 4, Wis
*Lamex Chem Corp, 25 Broadway, N Y 4
*B L Lemke & Co, 199 Main St, Lodi, N J
*National Aniline Div, 40 Rector St, N Y 6
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Polychem Co, 494 Hunts Point Ave, N Y 59
*Witco Chem Co, 295 Madison Ave, N Y 17

CALCIUM SULFATE (Plaster of Paris)—see also Gypsum

$CaSO_4$. White powd. Uses—mfr. paint, varnish, fertilizer, stucco, polishing powd., imitation ivory and other plastics, ceramic products, metal adhesives, glass, cements, cement compositions as a retarder, paper and rubber filler; ingredient in fertilizer; drying industrial gases; air conditioning; drying of solids, in complete and rapid drying of the alcohols and most other organic liquids. Grades—tech.; dental.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Hammill & Gillespie, 225 Broadway, N Y 7
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
L A Salomon & Bro, 216 Pearl St, N Y 38
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*U S Gypsum Co, 300 W Adams St, Chicago 6, Ill
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa

CALCIUM SULFATE, continued

*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

CALCIUM SULFATE (Anhydrous)—see also Desiccants

Product largely used as a laboratory and large scale desiccant.

J M Baird Co, 147 Nassau St, N Y
*W A Hammond Drierite Co, 120 Dayton Ave, Xenia Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*U S Gypsum Co, 300 W Adams St, Chicago 6, Ill
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*C K Williams & Co, 640 N 13 St, Easton, Pa

CALCIUM SULFIDE (Calcic Liver of Sulfur, Heparcalcis, Sulfurated Lime)

CaS. Yellowish to light gray powd. Sp. gr. 2.8 (15° C). Sol. acids. Uses—mfr. luminous paints and varnishes. Grades—tech.; U.S.P.

J M Baird Co, 147 Nassau St, N Y

CALCIUM SULFITE

$CaSO_3.2H_2O$. White powd. Loses water at 100°C. Sol sulfurous acids; sl. sol. water. Uses—mfr. pulp food preservative; discoloration retarder; general antiseptic and disinfectant; antichlor in bleaching textiles disinfectant in various fermentation processes. Grades—tech.; C.P.

J M Baird Co, 147 Nassau St, N Y

CALCIUM SULFOCARBOLATE (Calcium Phenosulfonate,—Sulfophenate,—Sulfophenolate)

$Ca(C_6H_4)(OH)SO_3)_2.H_2O$. M.W. 404.45. White to pinkish powd. Sol. water, alcohol. Uses—medicine.

*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7 Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11 N Y

CALCIUM SULFOPHENATE see Calcium Sulfocarbolate

CALCIUM SULFOPHENOLATE see Calcium Sulfocarbolate

CALCIUM TARTRATE

$CaC_4H_4O_6.4H_2O$. M.W. 260.2. White powd. Sl sol. water, alcohol; sol. in dilute HCl or HNO_3.

American Quinine Co, 15 William St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Kingston Chem Co, 15 William St, N Y 5

CALCIUM THEOBROMINE

$(C_7H_7O_2N_4)_2Ca$. M.W. 374. Uses—medicinal

*J T Baker Chem Co, Phillipsburg, N J

CALCIUM THIOCYANATE

$Ca(SCN)_2.3H_2O$. M.W. 210.28.

*J T Baker Chem Co, Phillipsburg, N J

CALCIUM THIOGLYCOLATE

$CaSCH_2COO.3H_2O$. M.W. 184. White powd. Sol water. Uses—depilatory preparations.

American Roland Corp, 16 Hudson St, N Y
Evans Chemetics, 250 E 43 St, N Y 17

CALCIUM TITANATE

$CaTiO_3$. M.W. 136. Light tan powd. M.P. 3530°F Sol. HF, dil. acids, hot conc. sulfuric; insol. water, alkalis. Uses—ceramic.

*American Smelting & Refining Co, 120 Broadway, N Y 5
J M Baird Co, 147 Nassau St, N Y

CALCIUM TUNGSTATE (Calcium Orthotungstate, Normal Calcium Wolframate)

$CaWO_4$. M.W. 288.08. Sp. gr. 6.06. Shining crystalline scales. Sl. sol. water. Uses—mfr. luminous paints in photography X-ray pictures; in medicine.

J M Baird Co, 147 Nassau St, N Y
*North Metal & Chem Co, 638 E Mason Ave, York, Pa

CALCIUM o-TUNGSTATE see Calcium Tungstate

CALCIUM UNDECYLENATE

J M Baird Co, 147 Nassau St, N Y
Conray Products, 510 6 Ave, N Y 11
*Mathe Chem Co, 169 Milbank St, Lodi, N J

USG
UNITED STATES GYPSUM
Calcium Sulfate
CALCIUM SULFATE FILLERS
(Hydrous & Anhydrous)
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Industrial Gypsum Plasters
HYDROCAL* Super Strength Gypsum Cements
UNITED STATES GYPSUM COMPANY
Industrial Division
300 W. Adams St. Chicago 6, Illinois
*HYDROCAL is a trademark Reg. U.S. Pat. Off. for a super-strength gypsum cement manufactured by the United States Gypsum Co.

*Company classifies itself as manufacturer or producer of this product

CAMPHOR NATURAL U. S. P.
(Powder & Tablets)
ACID CAMPHOR SULFONIC C. P.
and SALTS
CALCIUM PHYTATE
INOSITOL **SILVER COLLOIDAL**

Conray PRODUCTS COMPANY
510 6 TH AVE., NEW YORK 11, N. Y.
OREGON 5-2505

n-CALCIUM WOLFRAMATE see Calcium Tungstate

CALCIUM ZIRCONATE SILICATE

$CaZrSiO_5$. M.W. 239.2. White powd. M.P. 2900°F. Sol. HF. sl. sol. hot conc. sulfuric; insol. water, alkalis. Uses—opacifier to produce closer grained textures particularly in high fired or zinc free low temp. ceramic glazes.

Dalton-Cooper, 200 W 34 St, N Y

CALOMEL see Mercurous Chloride

CALX CHLORINATA see Bleaching Powder

CAMBOGIA see Gum, Gamboge

CAMPHANOL see Borneol

CAMPHENE

$C_{10}H_{16}$. M.W. 136. Crystalline solid. M.P. 41°C. Uses—raw material in the synthesis of camphor. L. Sol. organic solvents; insol. water.

J M Baird Co, 147 Nassau St, N Y
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
T C Wilson Co, 503 Market St, San Francisco 5, Cal

CAMPHOR (Monobromated) (α-Bromo-Camphor)

$C_{10}H_{15}OBr$. M.W. 231.0°C. White, crystalline powd. with a mild, camphor-like odor. Discolors on long exposure to sunlight. M.P. 76°C. Insol. in water, moderately sol. in alcohol, and very sol. in acetone, chloroform, and benzene. Uses—in medicine, as an antispasmodic and sedative; in mfr. medicinals. Grades—U.S.P. 1X.

American Roland Corp, 16 Hudson St, N Y
*Dow Chem Co, Midland, Mich
*Fine Organics, 211 E 19 St, N Y 3
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Mathe Chem Co, 169 Milbank St, Lodi, N J
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

CAMPHOR (Natural) (Gum Camphor)

$C_{10}H_{16}O$. M.W. 152.23. Colorless or white cryst. granules, or crystalline masses. Sol. alcohol, ether, chloroform, volatile or fixed oils. Uses—internal or external medicinal preparations; veter. med.; in celluloid films, explosives, insect repellents, lacquers, varnishes.

J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
F M Browning Co, 150 Broadway, N Y 38
Chem Service Corp, 82 Beaver St, N Y 5
Conray Products, 510 6 Ave, N Y 11
*Consumers Import Co, 350 5 Ave, N Y 1
Dura Chem Co, 20 Vesey St, N Y 7
Enco Chem Corp, 441 Lexington Ave, N Y 17
European Chem Co, 366 Broadway, N Y 13
Expedo Corp, 37 Wall St, N Y 5
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
T F McAdam, 125 Broad St, N Y 4
Mutchler Chem Co, 258 Broadway, N Y 7
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1

CAMPHOR (Natural), continued

Prentiss Drug & Chem Co, 110 William St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Siber Hegner & Co, 183 Madison Ave, N Y 16
Simmons Products Co, 15 Moore St, N Y
George Uhe Co, 76 9 Ave, N Y 14
Wah-Chang Corp, 233 Broadway, N Y 7
Joseph Weinstein, 4743 Walnut St, Phila, Pa

CAMPHOR (Synthetic)

$C_9H_{14}CO$. White crystalline solid with characteristic odor.

Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
F M Browning Co, 150 Broadway, N Y 38
Conray Products, 510 6 Ave, N Y 11
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
P R Dreyer, 113 W 19 St, N Y
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
Elbert & Co, 2 Broadway, N Y
Gallard Schlesinger Chem Co, 92 Liberty St, N Y

DRUGS
CHEMICALS
OILS
WAXES

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•
BENZOCAINE USP
•
BEESWAX USP
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MILK SUGAR USP
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SPERMACETI WAX USP

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- Naphthalene
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- Cod Liver Oil
- Potash Permanganate
- Spermaceti Wax
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McKESSON & ROBBINS
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MENTHOL CRYSTALS U.S.P., ALKALOIDS
QUININE and SALTS, SUGAR OF MILK

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CHAS. L. HUISKING & CO., INC.

45 Clinton Ave. Brooklyn 5, N. Y.

Chicago Office ESTABLISHED *Cable Address*
333 N. Michigan Ave. 1910 *Huisking, New York*

CAMPHOR (Synthetic), continued

Howe & French, Mfg Dept, E Weymouth, Mass
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Legion Chem, 70 Wall St, N Y 5
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
McKesson & Robbins, 155 E 44 St, N Y 17
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
Mutchler Chem Co, 258 Broadway, N Y 7
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
Philipp Bros Chem, 37 Wall St, N Y
Polak & Schwartz, 667 Washington St, N Y 14
Prentiss Drug & Chem Co, 110 William St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Simmons Products Co, 15 Moore St, N Y
George Uhe Co, 76 9 Ave, N Y 14
O J Weeks Co, 16 Hudson St, N Y 13

CAMPHORIC ANHYDRIDE

$C_{10}H_{14}O_3$. M.W. 182.11. White, odorless, needle shaped cryst., Sp. gr. 1.19. M.P. 216°C. B.P. 270°C. Almost insol. water, freely sol. alcohol, ether.

CAMPHOR ANHYDRIDE, continued

Conray Products, 510 6 Ave, N Y 11
*Fine Organics, 211 E 19 St, N Y 3
*Kermac Chem Co, Ellicott City, Md
*Lamex Chem Corp, 25 Broadway, N Y 4
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*Polychem Co, 494 Hunts Point Ave, N Y 59
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

CAMPHOSULFONATES

American Roland Corp, 16 Hudson St, N Y
*Conray Products, 510 6 Ave, N Y 11
*Fallek Products Co, 163 Broadway, N Y 6
*Fine Organics, 211 E 19 St, N Y 3
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
*Lamex Chem Corp, 25 Broadway, N Y 4
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*Polychem Co, 494 Hunts Point Ave, N Y 59
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

CANADA TURPENTINE see Balsam, Canada

CANADOL see Benzine

CANARIUM see Gum, Elemi

CAPROYL HYDRIDE see Hexane

CAPRYL BENZYL SEBACATE

$H_7C_7OOC(CH_2)_8COOC_8H_{17}$. M.W. 404. Light straw colored liq. Uses—plasticizer for vinyl resins and synth rubbers.

*Hardesty Chem Co, 41 E 42 St, N Y

CAPRYLYL CHLORIDE (Octanoyl Chloride)

$CH_3(CH_2)_6COCl$. M.W. 162.7. Water-white to straw colored liq.; pungent odor. Miscible with most common solvents; reacts with water, alcohol. Uses—synthesis of emulsifying agents and lubricants.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Bios Labs, 17 W 60 St, N Y 23
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y

CARAMEL (Burnt Sugar Coloring)

Dark brown, deliq. amorp. powd. Sol. water. Uses—coloring liquids, foods; flavoring tobacco; in medicine.

*E Berghausen Chem Co, 4538 W Mitchell Ave, Cincinnati 32, Ohio
Braun Corp, 2260 E 15 St, Los Angeles 21, Cal
*Dehls & Stein, 237 South St, Newark 5, N J
Florasynth Labs, 1513 Olmstead Ave, N Y 61
H R Laist Co, 229 Rialto Bldg, San Francisco 5, Cal
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
Republic Chem Corp, 94 Beekman St, N Y 38
*Shields Buying Service, 15 Moore St, N Y 4

CARBAMIDE see Urea

CARBARSONE (p-Carbaminophenyl Arsonic Acid, N-Carbamyl Arsanilic Acid)

$C_7H_9O_4N_2As$. M.W. 260.05. White, odorless, cryst or crystalline powd. Insol. water; sol. alkalies. M P 174°C. Used as an amebicide.

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Conray Products, 510 6 Ave, N Y 11
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
Fallek Products Co, 163 Broadway, N Y 6
Hummel Chem Co, 90 West St, N Y 6
*Lamex Chem Corp, 25 Broadway, N Y 4
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*Polychem Co, 494 Hunts Point Ave, N Y 59
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

CARBAZOLE

$C_{12}H_9N$. M.W. 167. B.P. 354°C. F.P. not less than 243°C. Insol. water; sl. sol. alcohols, aromatic hydrocarbons; very sol. pyridine bases. Uses—dyestuffs, explosives, insecticides, resins, organic synthesis.

J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Chematar Inc, Exchange Pl, N Y 5
Fallek Products Co, 163 Broadway, N Y 6
Chas Page & Co, 50 E 42 St, N Y 17
*Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
Reinhart Chem Corp, 405 Lexington Ave, N Y 17
L L Rona & Co, 40 Exchange Pl, N Y 5

CARBINOL see Methanol

CARBITOL see Ether, Diethylene Glycol Monoethyl

"CARBITOL"* PHTHALATE

(*Reg. Trade-Mark—Carbide & Carbon Chemical Co.)

Barclay Chem Co, 75 Varick St, N Y
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

CARBON (Activated) (Carbon, Clarifying Carbon, Decolorizing Carbon, Deodorizing)

Carbon in various physical conditions such that the absorption power is high. Uses—decolorizing agent; filtering medium; clarifying agent; gas absorption and purification, in solvent recovery systems; decolorizing and deodorizing. Grades—various as to brand and use.

American Firstoline Corp, 420 Lexington Ave, N Y
Barada & Page, Guinotta & Mich Ave, Kansas City 1, Mo
Barclay Chem Co, 75 Varick St, N Y
Braun Knecht Heimann Co, 1400 16 St, San Francisco, Cal
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

DARCO Activated Carbons

For decolorizing, purifying and deodorizing liquids, solutions and liquefiable substances. Special grades for sugars and syrups, chemicals, pharmaceuticals and food products.

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Clarifying
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*Company classifies itself as manufacturer or producer of this product

Baker
CARBON DISULFIDE, TECH.
(Carbon Bisulfide)

Baker

J. T. BAKER CHEMICAL CO.
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636 California St., San Francisco 8, Calif.
824 Wilshire Blvd., Los Angeles 14, Calif.
Houston 2, Texas; Weslaco, Texas
North Portland, Oregon; Apopka, Florida

CARBON, continued

*Cliffs Dow Chem Co, Wright St, Marquette, Mich
*Darco Dept, Atlas Powder Co, 60 E 42 St, N Y
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
L J & M La Place, Leliarts Lane, E Paterson, N J
A Lee Co, Box 898, Lawrence, Mass
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
*Pittsburgh Coke & Chem Co, 1905 Grant Bldg, Pittsburgh 30, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
L A Salomon & Bro, 216 Pearl St, N Y 38
Shepard Chem Corp, 117 Liberty St, N Y 6
F M Speekman Co, 141 Quint St, San Francisco 24, Cal
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*West Va Pulp & Paper Co, 230 Park Ave, N Y 17
White Star Chem Corp, 2030 E Adams St, Jacksonville, Fla

CARBON BICHLORIDE see Tetrachloroethylene

CARBON BISULFIDE (Carbon Disulfide)

CS_2. Colorless liq. Odorless when pure, disagreeable otherwise. Sp. gr. 1.29272 (0°C). M.P. —1116°C. B.P. 46.25°C. Flash point 20°C. Ignition point under 220°C. Sol. alcohol, ether; sl. sol. water. Uses—extr. rayon, varnishes, paint and varnish removers, rubber cements, germicides, cyanides, carbon tetrachloride, synth. hydrocarbons, ammonium sulfocyanide, matches, motor fuels, moth exterminator; vermin killer; cold vulcanizing agent; rubber, gutta percha.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Barium Reduction Corp, Drawer 1, S Charleston 3, W Va
John A Chew, 60 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Kingston Chem Co, 15 William St, N Y 5
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
McKesson & Robbins, 155 E 44 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
J U Starkweather Co, 241 Allens Ave, Providence, R I
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*Wheeler Reynolds & Stauffer, 636 California, San Francisco 8, Cal

CARBON BLACK (Channel Black, Gas Black, Natural Gas Black, Ebony Black, Jet Black, Hydrocarbon Black)—see also Lamp Black, also Carbon Decolorizing

Practically all carbon (C.). Black amorp. solid. Sp. gr. 1.723-1.773. M.P. 3500+. Sublimes. Insol. Uses—extr. printing inks, paint, enamels, varnishes, automobile tires, rubber goods, paper, pyrotechnics, crucible steel, stove and shoe polishes, phonographic records, bookbinder's board, black leathers, electrical insulators, buttons, carbon paper, typewriter ribbons, crayons, carriage cloth, cements, mortars and building stones, celluloid, tarpaulins, drawing stencil and marking inks; rubber pigment; process engraving; case-hardening; absorbing poisonous gases. Grades—as to source, fineness, color.

CARBON BLACK, continued

Akron Chem Co, 255 Fountain St, Akron, Ohio
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
Binney & Smith Co, 41 E 42 St, N Y 17
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
John A Chew, 60 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
Commercial Chem, 614 Ellicott Sq, Buffalo 3, N Y
*Dow Chem Co, Midland, Mich
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*J H Hinz Co, 405 Rockefeller Bldg, Cleveland 13, Ohio
Hird & Conner, 88 Broad St, Boston 10, Mass
*J M Huber Corp, 100 Park Ave, N Y 17
Interstate Color Co, 389 Washington St, N Y 13
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
L J & M La Place, Leliarts Lane, E Paterson, N J

BINNEY & SMITH CO.
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BLACKS

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For Paints, Lacquers, Synthetics and Plastics
Neo Spectras, Neo Spectra Beads, Super Spectra, Superba, Superba Beads, Excelsior, Excelsior Beads, Ravens, Raven Beads

DC Coblac, DC Globlak, Coblac Industrial, Coblac DD Sol, Covinylblaks (for Solution), Covinylblaks (for Plastics), Corecinblak No. 3, Coethloblak, Coshellacblak HH, Covarnishblaks, Codispersions

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Bone, Wood

STEARIC ACID
Stearex

For Inks
Peerless, Peerless Beads, Peerless Mark II, Peerless Mark IIA, Ravens, 140, Statex, Statex B-12, Molacco

For Paper and Board
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Bone Blacks, Drop Blacks
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For Water Paints
Colloidal Dispersions

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*Company classifies itself as manufacturer or producer of this product

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518 Ohio Building, Akron 8, Ohio
Sales Representatives in All Principal Cities

CARBON BLACK, continued

Martin, Hoyt & Milne, 615-625 Merchants Exchange Bldg, San Francisco 4, Cal
C J Osborn Co, 132 Nassau St, N Y
*Phillips Chem Co, Bartlesville, Okla
Prince Mfg Co, Lehigh St, Bowmanstown, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
H N Richards Co, 1475 Prospect St, Trenton 8, N J
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Shell Chem Corp, 50 W 50 St, N Y 20
Shepard Chem Corp, 117 Liberty St, N Y 6
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Wm B Tabler Co, 1612 Heyburn Bldg, Louisville 2, Ky
*Thermatomic Carbon Co, 17 E 42, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd Kansas City 8, Mo
*United Carbon Co, P O Box 1913, Charleston, W Va
R T Vanderbilt Co, 230 Park Ave, N Y
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*Witco Chem Co, 295 Madison Ave, N Y 17

CARBON CLARIFYING see Carbon (Activated)

CARBON DECOLORIZING see Carbon (Activated)

CARBON DEODORIZING see Carbon (Activated)

CARBON DICHLORIDE see Tetrachloroethylene

CARBON DIOXIDE (Acid, Carbonic, Carbonic Gas, Dry Ice)

CO_2. Colorless, odorless gas. Also comes liq. form (colorless), and solid form (white snow-like). Sp. gr. Gas 1.53. Liq. 1.057. Solid 1.56. M.P. —65°C. B.P. —80°C. Sol. water. Uses—mfr. pure carbonates, ammonium sulfate, soda ammonium carbonates, salicylic acid, barium carbonate, pyrotechnics, carbonated beverages, hollow rubber wear, white lead, intermediates, organic chemicals, urea; general drying agent; gaseous distillation agent; anti-oxidizing agent in extracting natural dyes, leavening agent in baking; as disinfectant; antioxidizing agent and preservative in making, storing and shipping various products; "as snow" for keeping ice cream hard; for general refrigeration purposes; antiseptic preservative for meats and other foods; preventing dust explosions in flour mills; refrigerant in ice machines; fire extinguisher, shipping inflam. liqs.; refining sugar; packing tobacco; boiling out cotton and wool; extinction of fire in mines; cementation process in treating steel; preventing blow holes in castings; neutralizing agent in making glues and adhesives and in chemical processes; in coal tar distillation; laboratory reagent; solvent recovery; promoting growth of plants. Grades—pure liq. CO_2 99.5%; tech
J M Baird Co, 147 Nassau St, N Y
*Cardox Corp, 307 N Mich Ave, Chicago 1, Ill
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Liquid Carbonic Corp, 3100 S Kedzie Ave, Chicago 23 Ill
Matheson Co, Paragon Div, E Rutherford, N J
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3 Md
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Nealco-Monsanto Co, Everett 49, Mass
*Ohio Chem & Surgical Equipment Co, 1400 Washington Ave, Madison 10, Wis
*Pure Carbonic Co, 60 E 42 St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
*Spencer Chem Co, 610 Dwight Bldg, Kansas City 6, Mo
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

CARBON DISULFIDE see Carbon Bisulfide

CARBON HEXACHLORIDE see Hexachloroethane

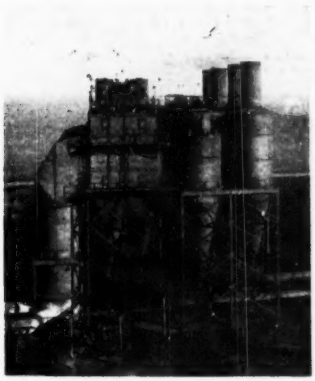
CARBON MONOXIDE

CO. M.W. 28. Colorless gas. ◆
*Matheson Co, Paragon Div, E Rutherford, N J

CARBON TETRACHLORIDE (Perchlormethane, Benzinoform, Tetrachlormethane)

CCl_4. Colorless, non-inflam. liq. peculiar odor. M.W. 153.8. Sp. gr. 1.595 (25°C). Lbs. gal., 13.28. M.P. —23°C. B.P. 76.0°C. V.D. (15°C.). lbs./cu. ft. 0.408. Latent heat of vap., B.T.U./lb. 83.7. S.H. Cal./kg./°C. or B.T.U./lb. °F. 0.205 (25°C.). Sol. alcohol, benzene, ether, and most of the fixed oils; very sl. sol. water. Uses—leather, carbinol, chloroform, organic and intermediate chemicals, acetic anhydride, dyes, lacquers, paints, varnishes, dry colors, printing inks, linoleum, metal polishes, rubber cements; general solvent and extracting agent for waxes; resins, fats, oils, perfumes from flowers, paraffin, rubber, etc.; degreasing wool, cotton waste and bones in glue making; in dry cleaning; fire extinguisher; in cleansing compositions; rubberizing fabrics; rendering benzene uninflammable; laboratory reagent; recovering tallow and ceresin wax; preserving orain; in medicine. Grades—99.5% and better; low freezing (.50 deg. F.); C.P.; U.S.P.; tech.

*Company classifies itself as manufacturer or producer of this product



UNITED
FURNACE
BLACKS
AND



UNITED
CHANNEL
BLACKS
ARE PREFERRED FOR

RUBBER

KOSMOBILE 77 - DIXIEDENSED 77 EPC
KOSMOBILE S66 - DIXIEDENSED S66 MPC
KOSMOS 20 - DIXIE 20 SRF
KOSMOS 40 - DIXIE 40 HMF
KOSMOS 50 - DIXIE 50 FEF
KOSMOS 60 - DIXIE 60 HAF

PAINTS

KOSMOS F4 — DIXIE PERFECTO
KOSMOS BB — DIXIE 5

INKS

KOSMOS 15A — DIXIFLUO A
KOSMOS I — DIXIE R

UNITED CARBON CO., INC.
CHARLESTON 27, WEST VIRGINIA
NEW YORK AKRON CHICAGO BOSTON
CANADA: CANADIAN INDUSTRIES, LTD.

CARBON TETRACHLORIDE, continued

S L Abbot Co, 135 King St, San Francisco 7, Cal
J C Ackerman Co, Penn-Lincoln Hotel, Pittsburgh 21, Pa
Adams-Henry Chem Co, 32 Broadway, N Y 4
Aetna Color & Chem Co, 60 Linden Ave, E Paterson, N J
Afta Solvents Corp, 470 W 128 St, N Y 27
American-British Chem Supplies, 180 Madison Ave, N Y
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
American Mineral Spirits Co, 155 E 44 St, N Y 17
American Quinine Co, 15 William St, N Y
American Writing Ink Co, 15 Hathaway St, Boston 10, Mass
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barada & Page, Guinotta & Mich Ave, Kansas City 1, Mo
Barco Chem Products Co, 701 S LaSalle St, Chicago, Ill
Bell Chem Co, 25 W 44 St, N Y 18
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
F M Browning Co, 150 Broadway, N Y 38
C P Chem Solvents, 60 Park Pl, Newark 2, N J
Cascade Chem Co, 3217 17 Ave W, Seattle, Wash
Castle Color & Chem Co, 24 W 45 St, N Y 17
Central Solvents & Chem Co, 2545 W Congress St, Chicago 12, Ill
Chem Mfg Co, 21 West St, N Y 6
John A Chew, 60 E 42 St, N Y 17
City Chem Corp, 132 W 22 St, N Y 11
C B Coburn Co, 63 Market St, Lowell, Mass
Cole Labs, 42-25 9 St, L I C 1, N Y
Commerce Petroleum Co, 2980 Archer Ave, Chicago 8, Ill
Dakoline Chem Co, 357 Atlantic Ave, Bklyn, N Y
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
Dixo Co, 225 River Rd, Garfield, N J
Dye & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Dyechem Products Corp, 60 Broad St, N Y 4
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Eibert & Co, 2 Broadway, N Y
B R Elk Co, 193 Palisade Ave, Garfield, N J
Faesy & Besthoff, 325 Spring St, N Y 13
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17

CARBON TETRACHLORIDE

John A. Chew
incorporated
Industrial & Fine Chemicals
60 East 42nd Street
NEW YORK 17, N. Y.
MU 2-0993

Westvaco® CHEMICALS
REG. U.S. PAT. OFF.

CARBON TETRACHLORIDE

Technical and C.P.

CARBON BISULFIDE
SULFUR MONOCHLORIDE
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FOOD MACHINERY AND CHEMICAL CORPORATION
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*Company classifies itself as manufacturer or producer of this product

Sumner Chemical

manufacturers of

Carbromal

Acetyl Carbromal

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and Other Fine Organic Pharmaceuticals

SUMNER CHEMICAL COMPANY INC.
General Sales Offices
6 East 45th Street • New York 17, N.Y.
MUrray Hill 2-7970

Plant
Zeeland, Michigan

Laboratories
Elkhart, Indiana

CARBON TETRACHLORIDE, continued

Wm S Gray & Co, 342 Madison Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Hill Bros Chem Co, 1525 S 28 St, San Diego, Cal
B J Howard Co, Whitaker Bldg, Baltimore 2, M D
Howe & French Mfg Dept, E Weymouth, Mass
Philip A Hunt Co, Palisades Park, N J
Ideal Chem & Supply Co, P O Box 5597, Memphis 4, Tenn
Industrial Chem Products Co, 422 E Beacon St, Dayton 2, Ohio
Innis, Speiden & Co, 117 Liberty St, N Y 6
King Chem Co, 31 New Haven Railroad St, Mt Vernon, N Y
Kingston Chem Co, 15 William St, N Y 5
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
L J & M La Place, Leliarts Lane, E Paterson, N J
Legion Chem, 70 Wall St, N Y 5
Lewis Co, 232 Canal St, N Y 13
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
George Mann & Co, 251 Fox Point Blvd, Providence, R I
McKesson & Robbins, 155 E 44 St, N Y 17
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 7, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Ohio Solvents & Chem Co, 3470 W 140 St, Cleveland 11, Ohio
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Phillips & Martin Co, 5524 N Wolcott Ave, Chicago, Ill
Phipps Products Corp, 30 Huntington Ave, Boston 16, Mass
Charles L Read & Co, 120 Greenwich St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Robinson Bros Chem, 255 Randolph St, Bklyn 6, N Y
Rose Chem Co, 296 Pearl St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Scher Bros, 519 Getty Ave, Clifton, N J
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Seaboard Industries, 195 Keen St, Paterson, N J

CARBON TETRACHLORIDE, continued

Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Slater-Robbins Co, 28-44 Borden Ave, L I C, N Y
George F Smith, 60 E 42 St, N Y 17
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Stepan Chem Co, 1353 N Branch St, Chicago 22, Ill
Thomson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Tuteur Bio-Chem, 60 Wall St, N Y 5
George Uhe Co, 76 9 Ave, N Y 14
United Sterling Corp, 37 E 28 St, N Y
Van Waters & Rogers, 4000 1 Ave S, Seattle, Wash
Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
Welche, Holme & Clark Co, 439 West St, N Y 14
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*Wheeler Reynolds & Stauffer, 636 Cal, San Francisco 8, Cal
Wolverine Solvents & Chem Co, 1500 Century Ave, Grand Rapids 9, Mich

CARBON TRICHLORIDE see Hexachloroethane

CARBON WELDING

*National Carbon Co, 30 E 42 St, N Y 17

CARBONIC GAS see Carbon Dioxide

CARBONYL CHLORIDE see Phosgene

CARBONYLDIAMIDE see Urea

CARBOXY-METHYL CHLORIDE see Acid, Chloroacetic (Di)

1-CARBOXY-PROPYLENE, see Acid, Crotonic

CARBROMAL (a-Bromo-a-Ethyl-Butyryl Urea, Bromodiethyl-Acetyl-Carbamide)

$C_9H_{15}O_2N_2Br$. M.W. 237.1. White, odorless crystalline powd. M.P. 116°C. Sol. boil. alcohol; sl.-sol. water. Uses—medicinally as a hypnotic and sedative.

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
*Desmo Chem Corp, 565 5 Ave, N Y 17
Fallek Products Co, 163 Broadway, N Y 6
*Gane & Ingram, 43 W 16 St, N Y 11
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Prentiss Drug & Chem Co, 110 William St, N Y 38
Schmitz Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Sumner Chem Co, 6 E 45 St, N Y 17
Tuteur Bio-Chem, 60 Wall St, N Y 5

CARBURIZING COMPOUNDS

Preparations which supply additional carbon to molten metals (iron, steel, etc.) for the purpose of hardening. See also Case-Hardening Materials, Nitriding Compounds.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Portland Gas & Coke Co, Public Service Bldg, Portland 4, Ore
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
*Wilson Carbon Co, 60 E 42 St, N Y 17

CARNOT'S REAGENT see Bismuth Nitrate

CAROTENE

$C_{18}H_{24}O$. M.W. 256.2. Pigment obtained from carrots, tomatoes, etc. Uses—principally in coloring of butter, cheese, etc.; as a food color.

American Chlorophyll, Lock Drawer 231, Lake Worth, Fla
American Roland Corp, 16 Hudson St, N Y
*Barnett Labs, 6256 Cherry Ave, Long Beach 5, Cal
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
Fallek Products Co, 163 Broadway, N Y 6
*Gen Biochem, 7 Laboratory Park, Chagrin Falls, Ohio
Interstate Color Co, 389 Washington St, N Y 13
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*Nutritional Research Associates, S Whitely, Inc
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

CARRAGHEEN see Moss, Irish

INDUSTRIAL AND REAGENT CHEMICALS

CARBON TETRACHLORIDE
ACETONE
CHLOROFORM
TRICHLORETHYLENE
PERCHLORETHYLENE

CITY CHEMICAL CORP.
132 W. 22nd St. New York 11, N.Y. WA 9-2723

INDUSTRIAL CHEMICALS

Cable Address:
PHIBROCHEM NEW YORK

CARBON TETRACHLORIDE
TRICHLOROETHYLENE
COTTON AND FILM SOLUTIONS

Philipp Brothers Chemicals, Inc.
37 WALL STREET, NEW YORK 5, N. Y.
PORTLAND, CONN. PHILADELPHIA BOSTON PROVIDENCE BALTIMORE

*Company classifies itself as manufacturer or producer of this product

SALT BATHS FOR METAL TREATING

Full Technical Data Available on Request

AEROCARB® Carburizing Compounds

AEROCASE® Case Hardening Compounds

AEROHEAT® Heat Treating Salts

AMERICAN Cyanamid COMPANY

30 Rockefeller Plaza, New York 20, N. Y.

CARRAGHEEN EXTRACTS (Irish Moss Extract)

Mixture of disulfate esters in which the nucleus is constituted by d-galactose residues; differing only by the cation fixed on the term. sulfate. M.W. depends on degree of polymerization and nature of cation. Uses—stabilizing, bodying and suspending agents, ice cream stabilization, emulsion stab., gelling agents in milk puddings; cosmetics, tooth paste.

*Algin Corp of America, 24 State St, N Y 4
*Krim-Ko Corp, 63 David St, New Bedford, Mass
*S B Penick & Co, 50 Church St, N Y 7
*Phenix Pabst-ett Co, 460 E Illinois St, Chicago 90, Ill

CARRENE see Methylene Chloride

CARRIERS, see individual listings

CARTHAMUS see Saffron, American

CARVACROL (2-Hydroxy-p-Cymene, Isopropyl-o-Cresol)

$C_{10}H_{14}O$. M.W. 150.21. Colorless or yellow liq. thymol-like odor. Uses—disinfectants.

P R Dreyer, 113 W 19 St, N Y
*Givaudan-Delawanna, 330 W 42 St, N Y 18

CASE-HARDENING MATERIALS

Compounds which impart surface hardness to steel through the absorption of carbon during a heating followed by a quenching operation. The basis of case-hardening or carburizing compounds is usually wood charcoal, together with certain so-called "energizers" such as sodium or barium carbonates, cyanides, etc. Many compounds also have oil or other organic binders.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
J & M La Place, Leliarts Lane, E Paterson, N J
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind

CASEIN (Edible)

White to yellowish amorp. powd. Sp. gr. 1.259. Sol. alkalies, alkaline carbonates, acids. The raw material must be free from harmful ingredients and the product must be manufactured under conditions conforming with food and drug laws. Uses—special foods; baking powd.; massage creams; cosmetics; pharmaceutical caseinates; adhesive in drinking straws and similar food containers; substitute for gelatin; albumen; clarifying wines. Graded according to use.

Albumina Supply Co, 2 Broadway, N Y 4
*Avoset Co, 1530 Spring Garden St, Phila 1, Pa
Industrial Raw Materials Corp, 575 Madison Ave, N Y 22
Innis, Speiden & Co, 117 Liberty St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38
*Sheffield Farms Co, Chemurgic Div, Box 630, Norwich, N Y
O J Weeks Co, 16 Hudson St, N Y 13

CASEIN (Inedible)

White to yellowish amorp. powd. Sp. gr. 1.259. Sol. alkalies, alkaline carbonates, acids. Uses—mfr. casein cold water paints and varnishes, waterproofed paints and distempers, paint removers, water-resistant glues and adhesives, shoe polishes, synth. milk linoleum, pharmaceutical caseinates; mordant in dyeing and printing textiles; printing paste thickener; loading and softening silks and cottons; producing high gloss on fabrics; finishing and dressing leather; substitute for gelatin, albumen, shellac, gums, etc.; for various purposes; in celluloid and other plastics; rubber compounds; hard rubber; soaps; photographic films; printing artist's canvas; insulating compositions; bottle sealing compositions; adhesive thickener in insecticides; filler; binder in cork compositions and other plastics; glazing casks. Graded according to use.

A Adler & Son, 1041 Front St, Phila 23, Pa
American-British Chem Supplies, 180 Madison Ave, N Y
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Avoset Co, 1530 Spring Garden St, Phila 1, Pa
J T Baker Chem Co, Phillipsburg, N J
*Borden Co, 350 Madison Ave, N Y 17
Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
Wm Diehl & Co, 330 W 42 St, N Y
Paul A Dunkel & Co, 1 Wall St, N Y 5
*Erie Casein Dryers, Box 71, Erie, Ill
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
Philip A Houghton, 30 Huntington Ave, Boston, Mass
Howe & French, Mfg Dept, E Weymouth, Mass

HERCULES



CASEIN

(ACID AND RENNET)

For paper coating, adhesives, cold-water paints and plastics.



GMS1-1

HERCULES POWDER COMPANY

978 Market St., Wilmington, Del.

SHEFFIELD

CASEIN

"New Process"—General Industrial Grade
"High pH"—For Emulsions
"High Nitrogen"—Specialty Applications
"De-Vitaminized"—For Vitamin Assays

SHEFFIELD FARMS CO., INC.
CHEMURGIC DIVISION, NORWICH, N. Y.

ATTACLAY

A highly efficient carrier, diluent, extender, and conditioner used in the manufacture of insecticide concentrates, finished dusts, fungicides, wettable powders, rodenticides, herbicides, plant hormone dusts, seed disinfectants and fertilizers.

Produced from the mineral "Attapulgite," an aluminum magnesium silicate, noted for its consistent and compatible composition, large adsorptive capacity, free-flowing characteristics, and low bulk density. Specially processed to insure physical uniformity.

ATTAPULGUS CLAY COMPANY

210 West Washington Square, Philadelphia 5, Pa.

Cable Address: "ATTACLAYCO"

*Company classifies itself as manufacturer or producer of this product

HERCULES



CELLULOSE DERIVATIVES

Nitrocellulose, cellulose acetate, ethyl cellulose, and cellulose gum (CMC—sodium carboxymethylcellulose).



GM51-1

HERCULES POWDER COMPANY
978 Market St., Wilmington, Del.

CASEIN (Inedible), continued
Industrial Raw Materials Corp, 575 Madison Ave, N Y 22
*Johns-Manville, 22 E 40 St, N Y 16
T F McAdam, 125 Broad St, N Y 4
*National Casein Sales, 601-619 W 80 St, Chicago 20, Ill
F H Paul & Stein Bros, 100 Gold St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
*Sheffield Farms Co, Chemurgic Div, Box 630, Norwich, N Y
H D Sheldon & Co, 104 5 Ave, N Y
*Smith, Kline & French Labs, Phila 1, Pa
O J Weeks Co, 16 Hudson St, N Y 13
Woodward & Dickerson, 1400 S Penn Sq, Phila, Pa

CASHOO see Cutch

CASSAVA see Tapioca Flour

CASTOR BEAN (Ricinus, Mexico Seed)
Seeds of Ricinus communus. Habitat: East and West Indies, Southern Europe, Africa, U. S. Uses—source of castor oil. Grades—tech.
*Baker Castor Oil Co, 120 Broadway, N Y 5
Barclay Chem Co, 75 Varick St, N Y

CASTOR BEAN, continued
Dalton-Cooper, 200 W 34 St, N Y
Wm Diehl & Co, 330 W 42 St, N Y
W R Grace & Co, 7 Hanover Sq, N Y 5
T F McAdam, 125 Broad St, N Y 4
L W Neal, 1711 Manning St, Phila 3, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Wah-Chang Corp, 233 Broadway, N Y 7
Woodward & Dickerson, 1400 S Penn Sq, Phila, Pa

CASTOR MEAL see Castor Pomace

CASTOR POMACE (Castor Meal)
Residue after oil has been removed from castor beans by pressure. Average analysis: ammonia, 5 to 8%, phosphoric acid 1 to 1.5%, potash 1 to 1.5%. Uses—for various fertilizer purposes.
*Baker Castor Oil Co, 120 Broadway, N Y 5
Barclay Chem Co, 75 Varick St, N Y
Chem Advance Corp, 1345 Arch St, Phila, Pa
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Joseph C Jett, Board of Trade Bldg, Norfolk 1, Va
Alex M McIver & Son, Peoples Bldg, Charleston, S C
L W Neal, 1711 Manning St, Phila 3, Pa
Chas Page & Co, 50 E 42 St, N Y 17
*Spencer Kellog & Sons, 98 Delaware Ave, Buffalo 5, N Y
*Western Chem Co, Box 703, Altoona, Pa

CATALYST SUPPORTS, BAUXITE
*Floridin Co, 200 Liberty St, Warren, Pa

CATALYST SUPPORTS, FULLER'S EARTH
*Attapulgus Clay Co, 210 W Washington Sq, Phila, Pa
*Floridin Co, 200 Liberty St, Warren, Pa
L A Salomon & Bro, 216 Pearl St, N Y 38
John M H Shiine Co, 342 Madison Ave, N Y 17

CATALYST SUPPORTS, SILICA GEL
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md

CATECHOL see Pyrocatechol

CAULKING COMPOUNDS
Products which are easily applied with a trowel knife or caulking gun, remain firm, yet flexible, and adhere indefinitely to all types of masonry, building metals, wood, etc., to fill cracks, seams, joints, etc.
*Arco Co, 7301 Bessemer Ave, Cleveland 27, Ohio
*Armstrong Co, 2415 S Post Ave, Detroit 17, Mich
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Excelsior Varnish Works, 1219 W 74 St, Cleveland 2, Ohio
*Johns-Manville, 22 E 40 St, N Y 16
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Landen Putty Works, 45 Irving St, Malden, Mass
*Mobile Paint Mfg Co, P O Box 1686, Mobile 9, Ala
*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
*Sika Chem Corp, 33-47 Gregory Ave, Passaic, N J

CAUSTIC ANTIMONY see Antimony Chloride

CAUSTIC BARYTA see Barium Hydroxide

CAUSTIC POTASH see Potassium Hydroxide

CAUSTIC SODA, see Soda, Caustic

CEDROL (Sesquiterpene Alcohol)
$C_{15}H_{25}OH$. Cryst. Uses—cedarwood, fixative.
Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 119 W 19 St, N Y
*Magnus, Mabee & Reynard, 60 Desbrosses St, N Y 13
*Maywood Chem Works, Maywood, N J

CELESTIN see Strontium Sulfate

CELLON see Acetylene Tetrachloride

CELLOSOLVE see Ether, Ethylene Glycol Monoethyl

CELLULOSE ACETATE (Acetyl Cellulose)
a. $C_6H_7(COOCH_3)_3$ or b. $C_6H_8O(COOCH_3)_4$ or c. $C_6H_7O_2(COOCH_3)_3$. White, solid, amorp. a. Sol. alcohol. Insol. water. b. Insol. water. c. Insol. water, alcohol, ether. Sol. chloroform, glacial acetic acid, nitrobenzene. Uses—mfr. rayon, airplane dopes, lacquers, varnishes, non-inflam. photographic and moving picture films, rubber compositions, non-shatterable glass, phonograph records, non-inflam, plastics; rending linens non-inflammable; insulating wires and other electrical parts; sizing and finishing material; coating glass to prevent precipita ion of moisture; fireproofing leather; increasing lustre of pearls, molding compositions. Grades—tech.
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*American Molding Powder & Chem Corp, 703 Bedford Ave, Bklyn 6, N Y
J M Baird Co, 147 Nassau St, N Y
A Bamberger Corp, 703 Bedford Ave, Bklyn 6, N Y
Barclay Chem Co, 75 Varick St, N Y
*Bell Chem Co, 25 W 44 St, N Y 18
*Paul Blum Co, 313-319 Larkin St, Buffalo 10, N Y
*Celanese Corp, 33 at Madison, New York, N Y
Chem Service Corp, 82 Beaver St, N Y 5
Craftint Mfg Co, E 52 St at Collamer Ave, Cleveland 10, Ohio
*E I Du Pont de Nemours & Co, Film Dept, Wilmington 98, Del
*Frank C Farinella, 19 W 44 St, N Y
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Monsanto Chem Co, Plastics Div, Springfield, Mass
*Alan D Oppenheimer, 578 Exchange St, Buffalo 10, N Y
Plastichemicals Co, 1 Beekman St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
Rosco Labs, 367 Hudson Ave, Bklyn 1, N Y
*Tennessee Eastman Co, 10 E 40 St, N Y 16
United Sterling Corp, 37 E 28 St, N Y

CELLULOSE ACETATE BUTYRATE
White amorp. solid. Uses—production of molding compositions; formulation lacquers, protective coatings.
American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
A Bamberger Corp, 703 Bedford Ave, Bklyn 6, N Y
Barclay Chem Co, 75 Varick St, N Y
*Alan D Oppenheimer, 578 Exchange St, Buffalo 10, N Y
Plastichemicals Co, 1 Beekman St, N Y 38
*Tennessee Eastman Co, 10 E 40 St, N Y 16
United Sterling Corp, 37 E 28 St, N Y

CELLULOSE ACETATE LACQUER (Plastic Coating Lacquer)
Clear or colored liq., complex composition. Uses—coating molded cellulose acetate plastics to prevent surface tackiness in humid weather.
*American Products Mfg Co, 8127-8133 Oleander & Dublin Sts, New Orleans 18, La
*Arco Co, 7301 Bessemer Ave, Cleveland 27, Ohio
J M Baird Co, 147 Nassau St, N Y
*Bell Chem Co, 25 W 44 St, N Y 18
*Chem Products Corp, King Philip Rd, E Providence, R I
*L J & M La Place, Leliarts Lane, E Paterson, N J
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Nixon Nitration Works, Nixon, N J

CELLULOSE ACETATE PROPIONATE
J M Baird Co, 147 Nassau St, N Y
A Bamberger Corp, 703 Bedford Ave, Bklyn 6, N Y

CELLULOSE, CHEMICAL COTTON
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del

CELLULOSE FLOCK
White, ground-up paper. Uses—filler for compositions such as plastics; other uses similar to paper flock but where color uniformity is specified.
*Brown Co, 500 5 Ave, N Y

CELLULOSE NITRATE (Nitrocellulose)
The esters of cellulose and nitric acid. (tri) $(C_{12}H_{17}O_7(NO_3)_3$. M.W. 459.16. (tetra) $(C_{12}H_{16}O_6(NO_3)_4$. M.W. 504.16. Both esters are white amorp. masses. Density 1.66. Insol ordinary solvents, sol. absolute alcohol, glacial acetic acid. Uses—principal constituent of collodion. (penta) $(C_{12}H_{15}O_5(NO_3)_5$. M.W. 549.16. Density about 1.66. Insol. alcohol, benzene, ether, sol. mixt. alcohol or ether. (hexa) $C_{12}H_{14}O_4(NO_3)_6$. M.W. 594.16. Uses—principal constituent of guncotton; mfr. lacquers. Is a white amorp. substance, density 1.66, ignites about 160°C. Insol. in ordinary solvents.

Kodak

Cellulose Acetate Solutions
Cellulose Acetate Butyrate Solutions
Nitrocellulose Solutions

Filtered solutions of cellulose esters in a wide range of viscosities for formulation into lacquers.

EASTMAN KODAK COMPANY, Rochester 4, N. Y.
Cellulose Products Division

*Company classifies itself as manufacturer or producer of this product

CELLULOSE NITRATE, continued

J M Baird Co, 147 Nassau St, N Y
Bell Chem Co, 25 W 44 St, N Y 18
*Paul Blum Co, 313-319 Larkin St, Buffalo 10, N Y
*Chem Products Corp, King Philip Rd, E Providence, R I
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Monsanto Chem Co, Plastics Div, Springfield, Mass
*Nixon Nitration Works, Nixon, N J
Alan D Oppenheimer, 578 Exchange St, Buffalo 10, N Y
Plastichemicals Co, 1 Beekman St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
*Scholle Chem Corp, 6641 Ridge Ave, Chicago 26, Ill

CELLULOSE SHEET AND BULK

J M Baird Co, 147 Nassau St, N Y
*Brown Co, 500 5 Ave, N Y
Craftint Mfg Co, E 52 St at Collamer Ave, Cleveland 10, Ohio

CELLULOSE, WOOD

*Brown Co, 500 5 Ave, N Y
*Rayonier Inc, 122 E 42 St, N Y
*W Va Pulp & Paper Co, 230 Park Ave, N Y 17

CEMENTS, ACID-PROOF

Preparations resistant to most acids (hydrofluoric is the notable exception) to water, oil, and most solvents. Employed in acid-proof construction, building up metal patterns, cementing tile to aluminum in humidifiers, cementing metal to metal, as a pipe joint compound on underground oil and acid pipe connections, etc.

*Armstrong Co, 241 S Post Ave, Detroit 17, Mich
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*Electro Chem Supply & Engrg Co, 750 Broad St, Emmaus, Pa
M O Grove & Co, 310 Sacramento St, San Francisco, Cal
*Maurice A Knight, P O Box 111, Akron 6, Ohio
*Lox Mfg Co, 3310 E 31 St, Kansas City, Mo
*Nukem Products Corp, 111 Colgate Ave, Buffalo 20, N Y
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Quigley Co, 527 5 Ave, N Y 17
*Sauereisen Cements Co, Sauereisen Blvd, Sharpsburg, Pittsburgh, Pa
*Varnitco Co, 416 N Varney, Burbank, Cal
*Zophar Mills, 116 26 St, Bklyn 32, N Y

CEMENTS, ASBESTOS

Asbestos base cements used extensively in the plumbing and steam fitting trades; in the mfr. of composition flooring, roof coatings, plastic wall finishes, in the mfr. of paints, asphalt compounds, etc.

G & W H Corsen, Plymouth Meeting, Pa
*H B Fuller Co, 255 Eagle St, St Paul 2, Minn
Rocky Mtn Supply Co, 2120 Market St, Denver, Col
Ruberoid Co, 500 5 Ave, N Y 18
*Sauereisen Cements Co, Sauereisen Blvd, Sharpsburg, Pittsburgh, Pa
*Trumbull Asphalt Co of Delaware, 59 & Archer Rd, Summit, Ill

CEMENTS, ASPHALT

A fluxed or unfluxed asphalt specially prepared for direct use in the mfr. of bituminous pavements; and having a penetration at 25°C. of between 5 and 250, under a load of 100 g., applied in 5 seconds (A.S.T.M. Standard Definition).

Asphalt Emulsion Service, 331 Madison Ave, N Y 17
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Barrett Div, 40 Rector St, N Y 6
*Berry Asphalt Co, Magnolia, Ark
*Coopers Creek Chem Corp, 98 River Rd, W Conshohocken, Pa
*Electro Chem Supply & Engrg Co, 750 Broad St, Emmaus, Pa
*Benjamin Foster Co, 4635 W Girard Ave, Phila 31, Pa
*Johns-Manville, 22 E 40 St, N Y 16
*Nukem Products Corp, 111 Colgate Ave, Buffalo 20, N Y
Rocky Mtn Supply Co, 2120 Market St, Denver, Col
Ruberoid Co, 500 5 Ave, N Y 18
*Sauereisen Cements Co, Sauereisen Blvd, Sharpsburg, Pittsburgh, Pa
*Schaffer-Moss Chem Corp, 1222 Shore Ave, Pittsburgh 33, Pa
*Trumbull Asphalt Co of Delaware, 59 & Archer Rd, Summit, Ill
*Witco Chem Co, 295 Madison Ave, N Y 17
*Zophar Mills, 116 26 St, Bklyn 32, N Y

CEMENTS, BELT

Used to splice leather belting; should possess good resistance to the action of oils, greases, and water. Also see Cements, Rubber for cements used on rubber belts.

*Angier Products, 120 Potter St, Cambridge 42, Mass
*Atlas Adhesives, Leverington Ave & Flat Rock Rd, Phila, Pa
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Compo Chem Co, 150 Causeway St, Boston 14, Mass
*H B Fuller Co, 255 Eagle St, St Paul 2, Minn
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa

CEMENTS, BELT, continued

*Howe & French, Mfg Dept, E Weymouth, Mass
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Polymer Chem Co, 5920 Carthage Ave, Cincinnati 2, Ohio
*Safran Chem & Supply Co, 531-33 Washington St, Lynn, Mass

CEMENTS, BOILER

A sealing compound that permanently and effectively stops air infiltration through boiler settings, cracks, or pores into the combustion chamber to effect fuel economy and protect the boiler setting wall and top from dampness and deterioration.

*Armstrong Co, 241 S Post Ave, Detroit 17, Mich
*Sauereisen Cements Co, Sauereisen Blvd, Sharpsburg, Pittsburgh, Pa

CEMENTS, BOOK BINDERS

Specially prepared for use in binding paper to cloth and leather; for binding leaf-sheaves together; also for binding body of book to back and covers. The higher grades are cold, i.e. cements which are waterproof, remain flexible and will not become tacky in moist weather; will not deteriorate, or attract vermin or worms.

*Alltex Rubber & Chem Co, 400 W 219 St, N Y 34
*Durez Plastics & Chem, 5 Walck Rd, N Tonowanda, N Y
*H B Fuller Co, 255 Eagle St, St Paul 2, Minn

CEMENTS, BRICK

Specialized compounds used as mortar in laying up brick; in smokestacks, in lining acid tanks, recuperators, etc., where concentrations of alkalies or acids are encountered.

*Coplay Cement Mfg Co, Coplay, Pa
*Industrial Chem Specialties Co, P O Box 456, Baytown, Tex
*Kaiser Aluminum & Chem Sales, 1924 Broadway, Oakland 12, Cal
*Maurice A Knight, P O Box 111, Akron 6, Ohio
*Pittsburgh Coke & Chem Co, 1905 Grant Bldg, Pittsburgh 30, Pa
*Quigley Co, 527 5 Ave, N Y 17
*Sauereisen Cements Co, Sauereisen Blvd, Sharpsburg, Pittsburgh, Pa

CEMENTS, BRISTLE SETTING

Cements, usually formulated with synth. resins or rubber, used for setting bristles in brushes to provide a tenacious bond. They should have great durability and excellent resistance to benzene, oils, water and most paint and lacquer thinners. The viscosity of the bristle setting cement should be worked out experimentally in the brushmaker's plant.

*Atlas Adhesives, Leverington Ave & Flat Rock Rd, Phila, Pa
J M Baird Co, 147 Nassau St, N Y
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill

CEMENTS, BUILDERS'

*Coplay Cement Mfg Co, Coplay, Pa
Cutler-Magner Co, 116 Fidelity Bldg, Duluth, Minn
*H V Hardman Co, Belleville 9, N J
A P Larsen Co, 29 Broadway, N Y 6
*Pittsburgh Coke & Chem Co, 1905 Grant Bldg, Pittsburgh 30, Pa
Simmons Products Co, 15 Moore St, N Y
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

CEMENTS, CARPETS

*Compo Chem Co, 150 Causeway St, Boston 14, Mass
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*H B Fuller Co, 255 Eagle St, St Paul 2, Minn
*Midland Glue Products Co, 1478 Madison Ave, Detroit, Mich
*Montgomery Bros, Penrose & Packer Ave, Phila, Pa
*Naugatuck Chem, Naugatuck, Conn
*Polymer Chem Co, 5920 Carthage Ave, Cincinnati 2, Ohio
*Rubba Inc, 1015 E 173 St, N Y

CEMENTS, CELLULOID

Specialized adhesives used to join in close union different pieces of pyroxylin, usually effected through the use of solvents on celluloid. Upon evaporation the pieces become for practical purposes a single unit in contrast to the usual method where the adhesive acts as a bond between the articles joined.

*Alltex Rubber & Chem Co, 400 W 219 St, N Y 34
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
Bell Chem Co, 25 W 44 St, N Y 18
*Chem Specialties, 29 E Madison St, Chicago, Ill
L J & M La Place, Leliarts Lane, E Paterson, N J
*Monsanto Chem Co, Plastics Div, Springfield, Mass
*Scholle Chem Corp, 6641 Ridge Ave, Chicago 26, Ill

CEMENTS, CORK

Specialized adhesives used to bind cork to other materials and for sealing corks into bottles.

*American Resinous Chem Corp, 103 Foster St, Peabody, Mass

HERCULES



CELLULOSE GUM (HERCULES* CMC)

Water-soluble (sodium carboxymethylcellulose). Available in varying viscosity types in Purified and Unpurified Grades.



*Reg U S Pat Off
GMS1-1

HERCULES POWDER COMPANY
978 Market St., Wilmington, Del.

CEMENTS, CORK, continued

*Atlas Adhesives, Leverington Ave & Flat Rock Rd, Phila, Pa
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*H Gartenberg & Co, 412 Pershing Rd, Chicago 9, Ill
*Paisley Products, 360 W 51 St, N Y

CEMENTS, ELECTRICAL RESISTING

Pastes or powds. which harden into porcelain or porcelain-type materials, insulate electricity, radiate heat, are resistant to most acids, alkalies, to oil and high temperatures. Replace insulating varnish and enamel mica, asbestos, etc.

*Acme Shellac Products Co, 100 Blanchard St, Newark, N J
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*B B Chem Co, 784 Memorial Dr, Cambridge 39, Mass
*Herbert B Morse & Co, 18 Mica Lane, Newton Lower Falls 62, Mass
*Orefraction Inc, 7425 Thomas St, Pittsburgh, Pa
*Sauereisen Cements Co, Sauereisen Blvd, Sharpsburg, Pittsburgh, Pa
*Zophar Mills, 116 26 St, Bklyn 32, N Y

CEMENTS, ENGRAVERS

Preparations used by engravers to mount halftones, zinc plates, etc., to the wooden block. Employed particularly where no shoulders are used that would permit other methods of fastening.

*B B Chem Co, 784 Memorial Dr, Cambridge 39, Mass
Philip A Hunt Co, Palisades Park, N J
*K & L Chem Co, 1052 W 78 St, Chicago 20, Ill
*Lox Mfg Co, 3310 E 31 St, Kansas City, Mo
*Shields Buying Service, 15 Moore St, N Y 4

CEMENTS, FABRIC, CANVAS

Preparations of various ingredients used to join fabrics together in a permanent bond. Should not be seriously affected by oil, water, steam, etc., and remain indefinitely in an elastic state and not crack, chip or crumble.

*Alltex Rubber & Chem Co, 400 W 219 St, N Y 34
American Firstoline Corp, 420 Lexington Ave, N Y
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*H B Fuller Co, 255 Eagle St, St Paul 2, Minn
*Merchants Chem Co, 60 E 42 St, N Y 17
*Midland Glue Products Co, 1478 Madison Ave, Detroit, Mich
*Montgomery Bros, Penrose & Packer Ave, Phila, Pa

*Company classifies itself as manufacturer or producer of this product

CEMENTS, FABRICS, CANVAS, continued

*Paisley Products, 630 W 51 St, N Y
*Polymer Chem Co, 5920 Carthage Ave, Cincinnati 2, Ohio
*Rubba Inc, 1015 E 173 St, N Y
*Safran Chem & Supply Co, 531-33 Washington St, Lynn, Mass
*Union Bay State Chem Co, 491 Main St, Cambridge 42, Mass
*Van Cleef Bros, 7800 Woodlawn Ave, Chicago 19, Ill
*Varnitон Co, 416 N Varney, Burbank, Cal

CEMENTS, FELT

*Acme Shellac Products Co, 100 Blanchard St, Newark, N J
*Atlas Adhesives, Leverington Ave & Flat Rock Rd, Phila, Pa

CEMENTS, FILLERS

*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*Sauereisen Cements Co, Sauereisen Blvd, Sharpsburg, Pittsburgh, Pa

CEMENTS, FILM, PHOTOGRAPHIC

Specialized preparations used to join and repair moving picture film. Newer type cements have a solvent effect on the film providing a more permanent bond. See also Cements, Celluloid.

*Chem Specialties, 29 E Madison St, Chicago, Ill
*Rosco Labs., 367 Hudson Ave, Bklyn 1, N Y
*Schoile Chem Corp, 6641 Ridge Ave, Chicago 26, Ill

CEMENTS, FOUNDRY

Adhesives used in foundry practice to bind parts together. See also Cements, Refractory; Cements, High Temperature.

*Kaiser Aluminum & Chem Sales, 1924 Broadway, Oakland 12, Cal
A T Wagner Co, 2720 Wight St, Detroit 7, Mich
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

CEMENTS, FURNACE

Preparations for setting-up and repairing joints in furnaces, ranges, heaters, and stoves, and for stopping holes in flues and draft pipes. Should be free from gritty particles, work smoothly, and adhere firmly to metal castings, etc.

*Armstrong Co, 241 S Post Ave, Detroit 17, Mich
Buckingham Products Co, 14100 Fullerton Ave, Detroit 27, Mich
*Clinton Metallic Paint Co, Clinton, N Y
*Johns-Manville, 22 E 40 St, N Y 16
*Sauereisen Cements Co, Sauereisen Blvd, Sharpsburg Pittsburgh, Pa
A T Wagner Co, 2720 Wight St, Detroit 7, Mich
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

CEMENTS, GASKET

Preparations used either with or without a gasket to seal metal parts together, particularly the heads of automobile, stationary engines, etc. Must fill the fine pores, imperfections, or unevenness of the parts joined, making the joints permanently tight, and seal effectively against leakage of water, gas, oil, air, steam, and be impervious to acids and alkali.

*Acme Shellac Products Co, 100 Blanchard St, Newark, N J
*Barrett Varnish Co, 1532 S 50 Court, Cicero 50, Ill
*Geo Callahan & Co, Closter, N J
*R M Hollingshead Corp, 840 Cooper St, Camden, N J
*Park Chem Co, 8074 Military Ave, Detroit, Mich
*Polymer Chem Co, 5920 Carthage Ave, Cincinnati 2, Ohio
*Rector Well Equipment Co, 2215 Commerce, Houston, Tex
*Van Cleef Bros, 7800 Woodlawn Ave, Chicago 19, Ill

CEMENTS, GLAZING

Adhesives used to fill scratches and imperfections and to give strong adhesion to parts mended together.

*R M Hollingshead Corp, 840 Cooper St, Camden, N J

CEMENTS, GRAPHITE

Adhesives formulated with graphite, often in the colloidal form. Uses—on gaskets, etc.

*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*National Carbon Co, 30 E 42 St, N Y 17

CEMENTS, INSULATING

Products formulated from mineral wool base, expanded vermiculite base, asbestos fibre and binder, or other materials and used principally for insulation purposes on irregular surfaces where it would be impracticable to apply sectional insulation, sheets or blocks. Used extensively by the steam-fitting and plumbing trade for insulation and finishing heating boilers and pipe fittings, etc.

*Acme Shellac Products Co, 100 Blanchard St, Newark, N J
Anderson-Stolz Corp, 1731-33 Walnut St, Kansas City, Mo
G & W H Corson, Plymouth Meeting, Pa
*Johns-Manville, 22 E 40 St, N Y 16
*Quigley Co, 527 5 Ave, N Y 17
Rocky Mtn Supply Co, 2120 Market St, Denver, Col
Ruberoid Co, 500 5 Ave, N Y 18
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*Zophar Mills, 116 26 St, Bklyn 32 N Y

CEMENTS, LABORATORY

General utility products finding wide application in laboratories for mending and repairing glass to glass, glass to metal, rubber to metal or glass, porcelain ware, etc.

Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*Varnition Co, 416 N Varney, Burbank, Cal

CEMENTS, LAMP BASING

Cements used to set electric light bulbs in their bases. Cements of this type are also employed for basing radio and other electronic tubes.

*Acme Shellac Products Co, 100 Blanchard St, Newark, N J
*Borden Co, 350 Madison Ave, N Y 17
*Durez Plastics & Chem, 5 Walck Rd, N Tonowanda, N Y
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

CEMENTS, LINOLEUM

*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*Armstrong Cork Co, Liberty & Mary Sts, Lancaster, Pa
*Atlas Adhesives, Leverington Ave & Flat Rock Rd, Phila, Pa
*Benjamin Foster Co, 4635 W Girard Ave, Phila 31, Pa

CEMENTS, MAGNESIUM OXIDE

*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

CEMENTS, OIL-PROOF

Adhesives with the property of sustained resistance to action of oil, gasoline, gasoline and oil fumes, etc., and finding such representative uses as cement for gaskets used in hosing, etc.

*Atlas Adhesives, Leverington Ave, & Flat Rock Rd, Phila, Pa
*Geo Callahan & Co, Closter, N J
Hyde & Bates, 17 John St, N Y 38
*Lox Mfg Co, 3310 E 31 St, Kansas City, Mo
*Paisley Products, 630 W 51 St, N Y

CEMENTS, OIL-PROOF, continued

*Rector Well Equipment Co, 2215 Commerce, Houston, Tex
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*Zophar Mills, 116 26 St, Bklyn 32 N Y

CEMENTS, PLASTIC

Formulated with heavy, weather-resisting asphalt and asbestos fibers to an easy troweling consistency. Used for repairing leaky seams, cuts or holes in roofs and for flashing.

*Adhesive Products Corp, 1660 Boone Ave, N Y
*Alltex Rubber & Chem Co, 400 W 219 St, N Y 34
American Firstoline Corp, 420 Lexington Ave, N Y
*American Products Mfg Co, 8127-8133 Oleander & Dublin Sts, New Orleans 18, La
*Angier Products, 120 Potter St, Cambridge 42, Mass
*Atlas Mineral Products Co, 39 Walnut St, Mertztown Pa
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*B B Chem Co, 784 Memorial Dr, Cambridge 39, Mass
*Chem Development Corp, Endicott St, Danvers, Mass
*Chem Products Corp, King Philip Rd, E Providence R I
Edward R Dornoff Co, 2400 W Madison St, Chicago 12 Ill
*Durez Plastics & Chem, 5 Walck Rd, N Tonowanda N Y
*Electro Chem Supply & Engrg Co, 750 Broad St Emmaus, Pa
*Hughes Glue Co, 3500 St Aubin Ave, Detroit 7, Mich
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
L J & M La Place, Leliarts Lane, E Paterson, N J
*Lox Mfg Co, 3310 E 31 St, Kansas City, Mo
*Merchants Chem Co, 60 E 42 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Midland Glue Products Co, 1478 Madison Ave, Detroit Mich
*Monsanto Chem Co, Plastics Div, Springfield, Mass
*Nukem Products Corp, 111 Colgate Ave, Buffalo 20 N Y
*Polymer Chem Co, 5920 Carthage Ave, Cincinnati 2 Ohio
Ruberoid Co, 500 5 Ave, N Y 18
*Sullivan Co, 212 E Tregg Ave, Memphis, Tenn
*Trumbull Asphalt Co of Delaware, 59 & Archer Rd Summit, Ill
*Union Bay State Chem Co, 491 Main St, Cambridge 42, Mass
*Varnitон Co, 416 N Varney, Burbank, Cal
*Zophar Mills, 116 26 St, Bklyn 32, N Y

CEMENTS, PLASTIC, COAL TAR

Asphalt Emulsion Service, 331 Madison Ave, N Y 17
*Barrett Div, 40 Rector St, N Y 6
*Coopers Creek Chem Corp, 98 River Rd, W Conshohocken Pa
*Portland Gas & Coke Co, Public Service Bldg, Portland 4, Ore
Ruberoid Co, 500 5 Ave, N Y 18

CEMENTS, PYROXYLIN

Solvents possessing the property of softening cellulose nitrate plastics without completely dissolving them. Body cements containing cellulose nitrate, plasticizers and solvents are compounded which will cause cellulose nitrate plastics to adhere to other bodies.

*Alltex Rubber & Chem Co, 400 W 219 St, N Y 34
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Bell Chem Co, 25 W 44 St, N Y 18
*Compo Chem Co, 150 Causeway St, Boston 14, Mass
Howe & French, Mfg Dept, E Weymouth, Mass
*Hughes Glue Co, 3500 St Aubin Ave, Detroit 7, Mich
*Lacquer Specialties, 249 Ave P, Newark 5, N J
*Lox Mfg Co, 3310 E 31 St, Kansas City, Mo
*Monsanto Chem Co, Plastics Div, Springfield, Mass
*Paisley Products, 630 W 51 St, N Y

CEMENTS, REFRACTORY

Preparations which assume a cold air set of extreme hardness at atmospheric temperatures, or may be baked. Uses—in making electric heating elements, coating resistors; on brick and concrete surfaces as a slurry; as a refractory coating, filling the pores, crevices and irregular surfaces; for lining furnaces.

Anderson-Stolz Corp, 1731-33 Walnut St, Kansas City Mo
*Armstrong Cork Co. Liberty & Mary Sts, Lancaster, Pa
*Bay State Abrasive Products Co, Westboro, Mass
*Botfield Refractories Co, Swanson & Clymer Sts, Phila Pa
T & W H Corson, Plymouth Meeting, Pa
*E F Drew & Co, 15 E 26 St, N Y 10
*Ironton Fire Brick Co, Box 124, Ironton, Ohio
*Johns-Manville, 22 E 40 St, N Y 16
Keystone Refractories Co, 120 Liberty St, N Y 7
*Orefraction Inc, 7425 Thomas St, Pittsburgh, Pa
*Quigley Co, 527 5 Ave, N Y 17
Ruberoid Co, 500 5 Ave, N Y 18
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

CEMENTS, ROOFING

Uses—on roofs; for gutters, flashings, chimneys, pipes, vents, watertroughs, skylights, downspouts, etc.

*American Tar Co, Ft Wallingford Ave, Seattle 3, Wash

TAM
ZIRCONIUM TITANIUM PRODUCTS
Registered U. S. Pat. Off

*TAM Zircon Electrical Insulating Cements
used in strip heaters, hot plates, flat irons, etc., exhibit high electrical resistance and excellent working properties.
*Registered Trade Mark

TITANIUM ALLOY MANUFACTURING DIVISION
NATIONAL LEAD COMPANY
Office: 111 Broadway, N. Y. C. Plant: Niagara Falls, N. Y.

For other products and services see our ads in Catalog Section

CEMENTS, ROOFING, continued

Asphalt Emulsion Service, 331 Madison Ave, N Y 17
*Coopers Creek Chem Corp, 98 River Rd, W Conshohocken Pa
*A C Horn Co, 10 St & 44 Ave, L I C 1, N Y
*Johns-Manville, 22 E 40 St, N Y 16
*Emil Klemm, 1946 S Main St, Salt Lake City, Utah
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
*Schaffer-Moss Chem Corp, 1222 Shore Ave, Pittsburgh 33, Pa
*Trumbull Asphalt Co of Delaware, 59 & Archer Rd, Summit, Ill
*Zophar Mills, 116 26 St, Bklyn 32, N Y

CEMENTS, RUBBER

1. As binders until sewing or clamping is accomplished; 2. As permanent bonds; 3. As vulcanized seals. Rubber cements are used in shoe-mfr., by automotive manufacturers for assembling upholstery, as sound deadeners, in the mfr. of pocket-books, impregnation of paper and wood fiber, for repairing tires and tubes, in balloon cements, in fastening linings to insides of tank cars, in securing rubber insulators to metal supports, etc. Laytex cements are employed in fabricating carpets, for making mohair fabrics, for fastening the long hairs in haircloth used in lapels of coats, for the rubber setting of brushes; and for binding purposes in brake-lining compounds.

*Adhesive Products Corp, 1660 Boone Ave, N Y
*Alltex Rubber & Chem Co, 400 W 219 St, N Y 34
*American Finish & Chem Co, 1012 Broadway, Chelsea 50, Mass
American Firstoline Corp, 420 Lexington Ave, N Y
*American Products Mfg Co, 8127-8133 Oleander & Dublin Sts, New Orleans 18, La
*Angier Products, 120 Potter St, Cambridge 42, Mass
*Atlas Adhesives, Leverington Ave, & Flat Rock Rd, Phila, Pa
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Bell Chem Co, 25 W 44 St, N Y 18
*Borg-Warner Corp, 1926 W 10 Ave, Gary, Ind
*Craftint Mfg Co, E 52 St at Collamer Ave, Cleveland 10, Ohio
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*Electro Chem Supply & Engrg Co, 750 Broad St, Emmaus, Pa
*Firestone Tire & Rubber Co, P O Box 690, Pottstown, Pa
*Gen Latex & Chem Corp, 666 Main St, Cambridge, Mass
*H V Hardman Co, Belleville 9, N J
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*R M Hollingshead Corp, 840 Cooper St, Camden, N J
*Emil Klemm, 1946 S Main St, Salt Lake City, Utah
*Midland Glue Products Co, 1478 Madison Ave, Detroit, Mich
*Montgomery Bros, Penrose & Packer Ave, Phila, Pa
New England Chem Co, 486 Boylston St, Boston 16, Mass
*Paisley Products, 630 W 51 St, N Y
*Pierce & Stevens, 710 Ohio St, Buffalo 3, N Y
*Polymer Chem Co, 5920 Carthage Ave, Cincinnati 2, Ohio
*R & A Leather Finish Co, 812 E 43 St, Bklyn 10, N Y
*Safran Chem & Supply Co, 531-33 Washington St, Lynn, Mass
*Union Bay State Chem Co, 491 Main St, Cambridge 42, Mass
*Van Cleef Bros, 7800 Woodlawn Ave, Chicago 19, Ill

CEMENTS, RUBBER TILE

Specialized cements used for bonding rubber tile flooring to the under surface and the individual tiles to each other.

*Armstrong Cork Co, Liberty & Mary Sts, Lancaster, Pa
*Atlas Adhesives, Leverington Ave & Flat Rock Rd, Phila, Pa
*Benjamin Foster Co, 4635 W Girard Ave, Phila 31, Pa
New England Chem Co, 486 Boylston St, Boston 16, Mass
*Polymer Chem Co, 5920 Carthage Ave, Cincinnati 2, Ohio
*Rubba Inc, 1015 E 173 St, N Y

CEMENTS, SULFUR

Preparations with a sulfur base, combined with other ingredients and used generally as a joint compound: melt and pour easily, possess high tensile and compression strength, resist acids, water, oil, and show good adhesion to metal, brick, tile, etc. Uses—for caulking joints on cast iron, assembling porcelain insulators, sealing bolts, screws in electrical appliances and equipment, in acid-proof construction, etc.

*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Electro Chem Supply & Engrg Co, 750 Broad St, Emmaus, Pa
*Maurice A Knight, P O Box 111, Akron 6, Ohio
*Nukem Products Corp, 111 Colgate Ave, Buffalo 20, N Y

CHEMICALS — PER-CHEMICAL GFS PRODUCTS — APPARATUS

CERIC AND CEROUS COMPOUNDS

THE G. FREDERICK SMITH CHEMICAL COMPANY
COLUMBUS, OHIO

VERITAS TAMETSI CAELA CADANT

CEMENTS, TRANSPARENT

Specialized adhesives that give a transparent, non-staining, binding and protective coating for such products as cement, brick, wood, plaster, metals, fabrics, china, paper, etc.

*Adhesive Products Corp, 1660 Boone Ave, N Y
*Atlas Adhesives, Leverington Ave & Flat Rock Rd, Phila, Pa
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Compo Chem Co, 150 Causeway St, Boston 14, Mass
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
L J & M La Place, Leliarts Lane, E Paterson, N J
*Lox Mfg Co, 3310 E 31 St, Kansas City, Mo
*Merchants Chem Co, 60 E 42 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Midland Glue Products Co, 1478 Madison Ave, Detroit, Mich
*Montgomery Bros, Penrose & Packer Ave, Phila, Pa
*Paisley Products, 630 W 51 St, N Y
*Polymer Chem Co, 5920 Carthage Ave, Cincinnati 2, Ohio
*Varniton Co, 416 N Varney, Burbank, Cal

CEMENTS, WATERPROOFING

Various formulations of bonding agents designed to impart a high degree of imperviousness to water, dampness, etc., and used for floors, side-walls, concrete tanks, silos, etc.

American Firstoline Corp, 420 Lexington Ave, N Y
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
Asphalt Emulsion Service, 331 Madison Ave, N Y 17
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Coplay Cement Mfg Co, Coplay, Pa
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*Benjamin Foster Co, 4635 W Girard Ave, Phila 31, Pa
*A C Horn Co, 10 St & 44 Ave, L I C 1, N Y
*Johns-Manville, 22 E 40 St, N Y 16
*Emil Klemm, 1946 S Main St, Salt Lake City, Utah
*Lox Mfg Co, 3310 E 31 St, Kansas City, Mo
*Sika Chem Corp, 33-47 Gregory Ave, Passaic, N J
*Toch Bros, 2600 Richmond Terrace, S I, N Y
*Trumbull Asphalt Co of Delaware, 59 & Archer Rd, Summit, Ill
*Varniton Co, 416 N Varney, Burbank, Cal
*Zophar Mills, 116 26 St, Bklyn 32, N Y

CEPHAELIS see Ipecac Root

CERA FLAVA see Wax, Bees

CERESINS (Synthetic)

J M Baird Co, 147 Nassau St, N Y
Frank G Fanning, 50 E 42 St, N Y 17
*Innis, Speiden & Co, 117 Liberty St, N Y 6
L A Salomon & Bro, 216 Pearl St, N Y 38
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Tilbury Refining Corp, 21-29 Dunham Pl, Bklyn 11, N Y
Zophar Mills, 116 26 St, Bklyn 32, N Y

CERIC OXIDE see Cerium Oxide

CERIC SALTS

*Bios Labs, 17 W 60 St, N Y 23
*City Chem Corp, 132 W 22 St, N Y 11
*Lindsay Light & Chem Co, 258 Ann St, W Chicago, Ill
*Rare Earths, Box 488 R D 4, Paterson, N J
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio
George F Smith, 60 E 42 St, N Y 17

CERIL OXALAS see Cerium Oxalate

CERIN see Wax, Ceresin

CERIUM (Metal)

Ce. Rare earth element, iron-gray, ductile, malleable metal. Sp. gr. 6.90. M.P. 640°C. Uses—mfr. of cerium compounds. Grades—Mischmetall; cerium metallic commercial; cerium metallic pure.

Cerium Metals Corp, 153 Waverly Pl, N Y 14
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*New Process Metals, 46 Center St, Newark 2, N J
George F Smith, 60 E 42 St, N Y 17

CERIUM DIOXIDE see Cerium Oxide

CERIUM HYDROXIDE

Ce $(OH)_3$. Mol. wt. 191.15; white, gelatinous ppt

*Lindsay Light & Chem Co, 258 Ann St, W Chicago, Ill
*Maywood Chem Works, Maywood, N J
*Rare Earths, Box 488 R D 4, Paterson, N J
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio
George F Smith, 60 E 42 St, N Y 17

CERIUM NAPHTHENATE

J M Baird Co, 147 Nassau St, N Y
*Maywood Chem Works, Maywood, N J
*Rare Earths, Box 488 R D 4, Paterson, N J

CERIUM NITRATE

*Lindsay Light & Chem Co, 258 Ann St, W Chicago, Ill
*Maywood Chem Works, Maywood, N J
Rare Earths, Box 488 R D 4, Paterson, N J
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio
George F Smith, 60 E 42 St, N Y 17

CERIUM OXALATE (Cerous Oxalate, Ceril Oxalas)

$Ce_2(C_2O_4)_3 9H_2O$. Pinkish powd. or crystl., odorless. Decomp. on heating (200°C). Sol. alcohol, dilute H_2SO_4 or HCl. Uses—mfr. incandescent gas mantles; isolation of metals of cerium group; in medicine. Grades—U.S.P.; commercial.

J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
*Lindsay Light & Chem Co, 258 Ann St, W Chicago, Ill
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Maywood Chem Works, Maywood, N J
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Rare Earths, Box 488 R D 4, Paterson, N J
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio
George F Smith, 60 E 42 St, N Y 17

CERIUM OXIDE (Ceric Oxide, Cerium Dioxide)

CeO_2 M.W. 172.13. Light yellow powd. Sp. gr. 7.3 M.P. 1950°C. Sol. nitric acid, sulfuric acids. Uses—mfr. ceramic glazes, incandescent gas mantles. Grades—tech.: C.P.

American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
Charles B Chrystal Co, 53 Park Pl, N Y 7
Fay-Cole & Co, 71 India St, Boston, Mass
K F Griffiths & Co, 230 Madison Ave, N Y 16
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Lindsay Light & Chem Co, 258 Ann St, W Chicago, Ill
*Maywood Chem Works, Maywood, N J
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
*Rare Earths, Box 488 R D 4, Paterson, N J
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio
George F Smith, 60 E 42 St, N Y 17

*Company classifies itself as manufacturer or producer of this product

CEROSIN see Wax, Ceresin

CEROUS OXALATE see Cerium Oxalate

CEROUS SALTS

*Bios Labs, 17 W 60 St, N Y 23
Delton Products Corp, 154 Nassau St, N Y 7
*Lindsay Light & Chem Co, 258 Ann St, W Chicago, Ill
*Rare Earths, Box 488 R D 4, Paterson, N J
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio
George F Smith, 60 E 42 St, N Y 17

CERUSE see Lead, White

CERUSSA see Lead, White

CETACEUM see Wax, Spermaceti

CETAL see Alcohol, Cetyl

CETYL BROMIDE

$C_{16}H_{33}Br$. M.W. 305.35. Yellowish liq. Insol. water; sol. organic solvents. Uses—anionic surface-active agents, pharmaceutical intermediate.

J M Baird Co, 147 Nassau St, N Y
*Dow Chem Co, Midland, Mich
*Halogen Chem, 1505 Charlton Dr, Columbia, S C
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

CETYL CHLORIDE (Hexadecyl Chloride, 1-Chlorohexadecane)

$C_{16}H_{33}Cl$. M.W. 260.9. Clear colorless liq. Uses—source of cetyl group in organic syntheses.

Aceto Chem Co, 83 Beaver St, N Y 5
*Bios Labs, 17 W 60 St, N Y 23
*Halogen Chem, 1505 Charlton Dr, Columbia, S C

CETYL DIMETHYL BENZYL AMMONIUM CHLORIDE

$C_{16}H_{33}(CH_3)_2C_6H_5CH_2NCl$. M.W. 396.5. White, semi-crystalline powd. Sol. water. Uses—germicide

*Bios Labs, 17 W 60 St, N Y 23
*Failek Products Co, 163 Broadway, N Y 6
*Fine Organics, 211 E 19 St, N Y 3
*Gallowhur Chem Corp, 801 2 Ave, N Y 17
*Laurel Soap Mfg Co, Tioga & Thompson St, Phila 34, Pa
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Winthrop-Stearns, 1450 Broadway, N Y 18

CETYL DIMETHYL ETHYL AMMONIUM BROMIDE

*Bios Labs, 17 W 60 St, N Y 23
*Fine Organics, 211 E 19 St, N Y 3
*Gallowhur Chem Corp, 801 2 Ave, N Y 17
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

CETYL IODIDE

$CH_3(CH_2)_{15}CH_2I$. M.W. 352.18. White to sl. yellow cryst. to colorless or sl. yellow liq. M.P. 22°C. B.P. 212°C. Insol. water; sol. organic solvents.

Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Halogen Chem, 1505 Charlton Dr, Columbia, S C
*Matheson Co, Paragon Div, E Rutherford, N J
*Maywood Chem Works, Maywood, N J

CETYL PYRIDINIUM BROMIDE

*Bios Labs, 17 W 60 St, N Y 23
*National Biochem Co, 3106 W Lake St, Chicago 12, Ill

CETYL PYRIDINIUM CHLORIDE

Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*National Biochem Co, 3106 W Lake St, Chicago 12, Ill
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

CETYL PYRIDINIUM IODIDE

CETYL TRIMETHYL AMMONIUM BROMIDE

$C_{16}H_{33}(CH_3)_3NBr$. M.W. 326. White powd. Sol. water, organic solvents. Uses—disinfectant, textile finishing agent.

*Bios Labs, 17 W 60 St, N Y 23
*Fine Organics, 211 E 19 St, N Y 3
*Gallowhur Chem Corp, 801 2 Ave, N Y 17
Philip A Lo Bue Co, 230 Park Ave, N Y 17
National Biochem Co, 3106 W Lake St, Chicago 12, Ill

CHALK—see also Calcium Carbonate, and Whiting

Light-colored, amorp., solid, consisting mainly of $CaCO_3$ (calcium carbonate). Natural. Sp. gr. 1.9-2.8. Contains delicate skeletons of marine animals. Sol. acids

CHALK, continued

Uses—see calcium carbonate. Grades—crude; refined; light and heavy precipitated U.S.P.; dropped U.S.P.; English; Italian; French; domestic.

American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Anderson Trading Corp, 66 Beaver St, N Y 44
Charles B Chrystal Co, 53 Park Pl, N Y 7
C B Coburn Co, 63 Market St, Lowell, Mass
Stanley Doggett, 75 Varick St, N Y 13
K F Griffiths & Co, 280 Madison Ave, N Y 16
Hammill & Gillespie, 225 Broadway, N Y 7
Innis, Speiden & Co, 117 Liberty St, N Y 6
Merchants Chem Co, 60 E 42 St, N Y 17
*Mississippi Lime Co, 7 Alby St, Alton, Ill
M W Parsons-Plymouth, 59 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Smith Lime Flour Co, 535 Livingston St, Elizabeth 1, N J
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
Witco Chem Co, 295 Madison Ave, N Y 17

CHALK PRECIPITATED see Calcium Carbonate

CHANNEL BLACK see Carbon Black

CHARCOAL (Wood Charcoal, Vegetable Charcoal—see also Bone Black)

Black, amorp. solid. Sp. gr. 1.75-2.10. Sublimes at 3600°C. Insol. all common solvents, acids, alkalies. Uses—mfr. calcium carbide, charcoal iron, military gas masks, arc light electrodes, crayons, heating insulating compositions, paint colors, candle wicks; pigment colors, paints, glass, black powd., nitroglycerin and nitrocellulose explosives; chemical catalyst; general decolorizing and filtering medium in chemical processes; precipitant in chemical processes; volatile solvent absorbent; gas absorbent in cold storage, absorbent gas, casing-head gasoline and perfume products; decolorizing and deodorizing fats and oils; purifying water and deodorizing sewage; deodorant in breweries; case-hardening steel; fuel in forges; soil disinfectant; laboratory reagent; in refining alcohol and sugar; horticulture; poultry farming. Grades—Wood (willow, oak, pine, etc.) sticks; lump; powdered; tech.; U.S.P.; animal (bone black); powdered.

J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
S H Bell Co, 1514 Oliver Bldg, Pittsburgh 22, Pa
Bonewitz Chem, P O Box 560, Burlington, Iowa
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
Chematar Inc, Exchange Pl, N Y 5
*Cliffs Dow Chem Co, Wright St, Marquette, Mich
C B Coburn Co, 63 Market St, Lowell, Mass
*Crossett Chem Co, Crossett, Ark
*Ford Motor Co, 300 Schaefer Rd, Dearborn, Mich
R Gesell, 200 W Houston St, N Y 14
*Louisiana Pine Products Co, P O Box 814, Alexandria 4, La
Merchants Chem Co, 60 E 42 St, N Y 17
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
H N Richards Co, 1475 Prospect St, Trenton 8, N J
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

CHARCOAL (Activated)

Form of carbon having a high adsorptive capacity for foreign molecules. Extent of adsorptive power depends upon size of capillaries of the charcoal and the size and chemical properties of the molecules to be adsorbed. Den.—when free from impurities is about 2.1. Chemical composition varies with source, may range from 10%-98% carbon. Uses—air purification by removal of gases; decolorizing; catalysts; gas-mask-canister filling; production

CHARCOAL, continued

of high vacuum; medical remedy for cholic and diarrhea as germicide; solvent recovery; gasoline recovery from natural gas; benzene recovery from manufactured gas.

American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
*Cliffs Dow Chem Co, Wright St, Marquette, Mich
*Darco Dept, Atlas Powder Co, 60 E 42 St, N Y
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*E Gumpert Corp, 75 West St, N Y 6
Miller Chem & Fertilizer Corp, 1000 S Caroline St, Baltimore 31, Md
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Charles L Read & Co, 120 Greenwich St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
L A Salomon & Bro, 216 Pearl St, N Y 38

CHEMICALS (Agricultural) see Individual Listings and Ads on This Page.

CHEMICALS (Analytical)

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Ammonium Oxalate
Ammonium Sulfate
Ammonium Sulfide Solution
Ammonium Sulfite
Ammonium Thiosulfate, Solution
Barium Acetate
Barium Chloride
Barium Fluoride
Boron Trifluoride
Cadmium Acetate
Cadmium Chloride
Cadmium Fluoborate
Cadmium Nitrate
Calcium Acetate
Calcium Chloride
Calcium Phosphate
Chrome Alum
Chromium Fluoride
Chromium Nitrate
Chromium Potassium Fluoride
Cobalt Trifluoride
Cupric Fluoborate
Cupric Fluoride
Cupric Nitrate
Cuprous Chloride
Ether
Ferric Nitrate
Ferrous Ammonium Sulfate
Ferrous Fluoborate
Hydroquinone
Lead Acetate
Lead Fluoborate
Lead Fluoride
Lead Nitrate
Magnesium Acetate
Magnesium Fluoride
Magnesium Nitrate
Nickel Fluoborate
Nickel Nitrate
Potash Chrome Alum
Potassium Acetate
Potassium Bifluoride
Potassium Borate, Tetra
Potassium Chloride
Potassium Fluoborate
Potassium Fluoride
Potassium Hydroxide
Potassium Iodide
Potassium Nitrite
Potassium Thiosulfate
Salicylamide
Sodium Bichromate
Sodium Bismuthate
Sodium Calcium Hydrate
Sodium Fluoborate
Sodium Fluoride
Sodium Hydroxide
Sodium Phosphate, Mono & Di
Sodium Sulfate
Sodium Thiosulfate
Stannous Chloride
Stannous Fluoborate
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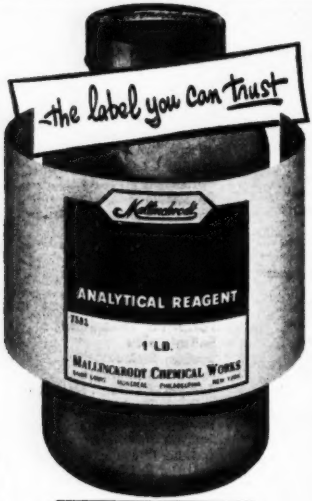
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CHEMICALS, (Analytical), continued

formity with American Chemical Society Standards, the latter generally applying to chemicals for which the A.C.S. has not made specifications and indicates a comparable grade of purity: C.P. suitable for routine work in industrial and educational institutions, conforming to analysis on label: U.S.P. and N.F. grades indicating conformity to the requirements of the United States Pharmacopoeia or the National Formulary: Pure grade. Indicates care and selection of chemicals physically clean and fairly chemically pure. See also under specific chemicals.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
•Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
Bergstrom Trading Co, 233 Broadway, N Y
•Bersworth Chem Co, 609 Waverly St, Framingham Mass
•Bios Labs, 17 W 60 St, N Y 23
Braun Knecht Heimann Co, 1400 16 St, San Francisco Cal
City Chem Corp, 132 W 22 St, N Y 11
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49 Mass
•E F Drew & Co, 15 E 26 St, N Y 10
•E I Du Pont de Nemours & Co, Grasselli Chem Dept Wilmington, Del
•Edwal Labs, Ringwood, Ill
•B R Elk Co, 193 Palisade Ave, Garfield, N J
•Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St N Y 6
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
•Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
•Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
•Howe & French, Mfg Dept, E Weywouth, Mass
Jasonols Chem Corp, 1085-87 Myrtle Ave, Bklyn 6, N Y
•Kocour Co, 4800 S St Louis Ave, Chicago, Ill
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
•Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7 Mo
•E Matchlett & Son, 222 E 23 St, N Y 10
•Monomer-Polymer, 511 Lancaster St, Leominster Mass
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Prior Chem Corp, 420 Lexington Ave, N Y 17

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CHEMICALS (Analytical), continued

*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y

CHEMICALS, (Aromatic)

Organic compounds derived from coal tar and natural sources used primarily in the soap, cosmetics, foodstuff and other industries to impart a pleasing odor or flavor and/or to disguise disagreeable ones.

*American-British Chem Supplies, 180 Madison Ave, N Y
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Aromatic Products, 15 E 30 St, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
*Bios Labs, 17 W 60 St, N Y 23
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Phillip Chaleyer, 160 E 56 St, N Y 22
Chem Service Corp, 82 Beaver St, N Y 5
Cole Labs, 42-25 9 St, L I C 1, N Y
*Cosmetic Mfg Supply Co, 2967 S LaSalle St, Chicago, Ill
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
P R Dreyer, 113 W 19 St, N Y
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Organic Chem Dept Fine Chem Div, Wilmington 98, Del
Faesy & Besthoff, 325 Spring St, N Y 13
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
*Firmenich & Co, 250 W 18 St, N Y 11
*Gane & Ingram, 43 W 16 St, N Y 11
Gauge & Devin, 7 Front St, San Francisco 11, Cal
*Givaudan-Delawanna, 330 W 42 St, N Y 18
M O Grove & Co, 310 Sacramento St, San Francisco, Cal
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
International Selling Corp, 70 Pine St, N Y 5
*C E Ising Corp, 133-24 41 Ave, Flushing, N Y
*Kay-Fries Chem, 180 Madison Ave, N Y 16
E M Laning Co, 433 Stuyvesant Ave, Irvington 11, N J

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*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Maywood Chem Works, Maywood, N J
*Monsanto Chem Co, Tex Div, Texas City, Tex
*Naugatuck Aromatics, 254 4 Ave, N Y 10
*Naugatuck Chem, Naugatuck, Conn
*Noville Essential Oil Co, 127 Water St, N Y 5
*Pittsburgh Coke & Chem Co, 1905 Grant Bldg, Pittsburgh 30, Pa
*Polak's Frutal Works, 33 Sprague Ave, Middletown, N Y
Polak & Schwartz, 667 Washington St, N Y 14

CHEMICALS (Aromatic), continued

Republic Chem Corp, 94 Beekman St, N Y 38
*Roure-DuPont, 366 Madison Ave, N Y 17
H C Ryland, 161 Water St, N Y 38
*Schimmel & Co, 601 W 26 St, N Y 1
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Sindar Corp, 330 W 42 St, N Y 18
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
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Acridine
Alkanolpyridines
2—Propanolpyridine
4—Propanolpyridine
Alkylpyridines (Higher)
2—n Amylpyridine
4—Propanolpyridine
4—n Amylpyridine
2—(5—Nonyl) Pyridine
4—(5—nonyl) Pyridine
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Carbazole
N—Alkyl Carbazoles
N—n—Butylcarbazole
N—Ethylcarbazole
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Pyridine
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1, 3, 5—Methylethylphenol
Pyrene
Quinaldine
Quinoline
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*Airose Chem Co, 180 Mill St, Cranston 5, R I
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*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Cosmetic Mfg Supply Co, 2967 S LaSalle St, Chicago, Ill
*Dow Chem Co, Midland, Mich
*E F Drew & Co, 15 E 26 St, N Y 10
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Gane & Ingram, 43 W 16 St, N Y 11
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*Goldschmidt Chem Corp, 153 Waverly Pl, N Y 14
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*Kay-Fries Chem, 180 Madison Ave, N Y 16
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*N I Malmstrom & Co, 147 Lombardy St, Bklyn 22, N Y
*Mathe Chem Co, 169 Milbank St, Lodi, N J
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
Old Empire Mfg Chemists, 31-33 Coes Pl, Newark 2, N J
*M W Parsons-Plymouth, 59 Beekman St, N Y 38
Walter A Reinicke, 549 W Washington Blvd, Chicago 6, Ill
R F Revson Co, 243 W 17 St, N Y 11
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Solvay Sales Div, 40 Rector St, N Y 6
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J
Welch, Holme & Clark Co, 439 West St, N Y 14

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for trade names

which are not the same

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*Bell-Ray Chem Corp, 1608 W Clybourn St, Milwaukee 3, Wis
*Biofen Labs, 14 6 St, Bridgeport 7, Conn
Bios Labs, 17 W 60 St, N Y 23
Carrier-Stephens Co, Lansing, Mich
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Chem Service Corp, 82 Beaver St, N Y 5
*Chem Specialties, 29 E Madison St, Chicago, Ill
Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
Croton Chem Corp, 114 Liberty St, N Y 6
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
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Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
*Enthone Inc, 442 Elm St, New Haven, Conn
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Harshaw Chem Co, 1945 E 97 St, Cleveland, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
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*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
Kingston Chem Co, 15 William St, N Y 5
Kocour Co, 4800 S St Louis Ave, Chicago, Ill
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
L J & M La Place, Leliarts Lane, E Paterson, N J
Lewis Chem Co, 400 Northampton St, Boston 18, Mass
*Linick Chem Co, 29 E Madison St, Chicago, Ill
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*National Aniline Div, 40 Rector St, N Y 6
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
Ovimpex Inc, 149 Broadway, N Y 6
Philipp Bros Chem, 37 Wall St, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Frederick B Stevens, 1800 18 St, Detroit, Mich
*Turco Products, P O Box 2649 Terminal Annex, Los Angeles 54, Cal
*United Chromium, 100 E 42 St, N Y
Zehrung Chem Co, 2201 N W 20 Ave, Portland 9, Ore

*Company classifies itself as manufacturer or producer of this product

CHEMICALS, (Fine)

See Advertisements on This Page and Individual Listings

CHEMICALS, (Industrial)

See Advertisements on This Page and Pages 166, 167 and Individual Listings

CHEMICALS, (Metal Hardening)

See Advertisements on This Page and Individual Listings

CHEMICALS, (Organic)

See Advertisements on Pages 167, 168 and Individual Listings

CHEMICALS, (Paper)

See Advertisements on Pages 167, 169 and Individual Listings

CHEMICALS, (Petroleum)

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- Disinfectants - Pine Oil
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- Epsom Salts
- Floor Cleaners
  - Liquid, Powdered
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- Metal Cleaners
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  - Cutting Oils
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- Paradichlorobenzene
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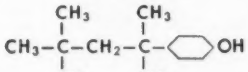
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Produced in commercial quantities

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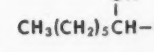
OCTYLPHENOXYETHANOLS

$C_8H_{17}C_6H_4(OC_2H_4)_xOH$
(x = 1, 3, or 5)

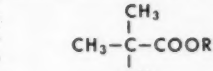
DIMETHYLAMINOETHANOL
(50% aqueous solution)

$(CH_3)_2NCH_2CH_2OH$

CAPRYL ALCOHOL
(2-octanol)

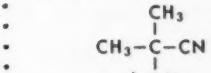


HYDROXYISOBUTYRATE ESTERS



(R = C_2H_5, n-C_6H_{13}, n-$C_{12}H_{25}$)

ACETONE CYANOHYDRIN



SEBACIC ACID

$HOOC(CH_2)_8COOH$

ETHYLENE CYANOHYDRIN

$HOCH_2CH_2CN$

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*Company classifies itself as manufacturer or producer of this product

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Produced by

CARBIDE and CARBON CHEMICALS COMPANY

A DIVISION OF UNION CARBIDE AND CARBON CORPORATION

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- Ethanol
- SYNASOL Solvent
- Isopropanol
- n-Butyl Alcohol
- Pentanol-3
- Methyl Amyl Alcohol
- 2-Ethylbutanol
- n-Hexanol
- Heptanol-3
- 2-Ethylhexanol
- Diisobutyl Carbinol
- Trimethyl Cyclohexanol
- Trimethyl Nonyl Alcohol
- 2-Butyl Octanol
- Undecanol
- Tetradecanol
- Heptadecanol

Esters
- Ethyl Acetate
- Isopropyl Acetate
- n-Butyl Acetate
- Methyl CELLOSOLVE Acetate
- Methyl Amyl Acetate
- CELLOSOLVE Acetate
- 2-Ethylhexyl Acetate
- CARBITOL Acetate
- Butyl CARBITOL Acetate
- Glycol Diformate
- Glycol Diacetate
- Methoxy Triglycol Acetate
- Sucrose Octa Acetate
- Vinyl Acetate
- Diethyl Sulfate
- Ethyl Acetoacetate
- Ethyl Silicate
- Diethyl Maleate
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- Ethyl Acrylate
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- Isopropenyl Acetate
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- Methyl Isobutyl Ketone
- Ethyl Butyl Ketone
- Diisobutyl Ketone
- Diacetone Alcohol
- Mesityl Oxide
- Isophorone
- Pentanedione-2,4
- Acetonylacetone

Glycol-Ethers
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- Methyl CELLOSOLVE
- Butyl CELLOSOLVE
- CARBITOL Solvent
- Methyl CARBITOL
- Butyl CARBITOL

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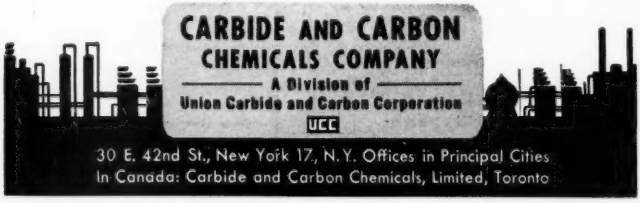
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*Hooker Electrochem Co, Niagara Falls, N Y
*Jorala Prod Co, 894 Whittier St, Bronx, N Y
*Koppers Co, Chem Div, Koppers Bldg, Pittsburgh, Pa
*Krishell Labs, 1735 S E Powell Blvd, Portland, Ore Ore
*Linde Air Products Co, 30 E 42 St, New York, N Y
*Matheson Co, Paragon Div, E Rutherford, N J
*Monomer-Polymer, 3430 W Henderson St, Chicago, Ill
*Monsanto Chem Co, 1700 S 2 St, St Louis 4, Mo
*Neo-Chem Prod Co, 1397 Brys Dr, Grosse Point, Mich
*Neville Co, 190 Neville Island, Pittsburgh, Pa
*Onyx Oil & Chem Co, 190 Warren St, Jersey City, N J
*Organic Specialties, 109 5 Ave, Paterson, N J
*Paul, Lewis Labs, 4253 N Port Washington Rd, Milwaukee, Wis
*Phillips Petroleum Co, Chem Prod Dept, Bartlesville, Okla
*R S A Corp, Ardsley, N Y
*Rohm & Haas Co, Washington Sq, Phila, Pa
*Sapon Labs, 543 Union St, Bklyn, N Y
*Sharples Chem, 123 S Broad St, Phila, Pa
*G Frederick Smith Chem Co, 867 McKinley Ave, Columbus, Ohio
*Tennessee Eastman Corp, 10 E 40 St, New York, N Y
*Victor Chem Works, 141 W Jackson Blvd, Chicago, Ill
*Wyandotte Chem Corp, 1219 Dime Bldg, Detroit, Mich

CHEMICALS, (Rubber)

See Advertisements on Pages 174, 175, 176 and Individual Listings

HERCULES



RUBBER CHEMICALS

Casein, emulsifiers, cumene, hydroperoxide, rosin, reclaiming agents, Vinsol* resin.



*Reg. U. S. Pat. Off.

GM51-1

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Antioxidants

Flectol* H (Condensation product of acetone and aniline)
Santoflex* B (Reaction product of acetone and para-aminobiphenyl)
Santoflex BX (Constant composition blend of Santoflex B and N,N'-Diphenyl-para-phenylenediamine)
Santoflex 35 (Same composition as Santoflex BX but with higher N,N'-Diphenyl-para-phenylenediamine content)
Santowhite* MK (An alkylated phenol sulfide) (Liquid)
Santowhite Crystals (An alkylated phenol sulfide) (Crystalline powder)

Thiazole Accelerators

Santocure* (N-Cyclohexyl-2-benzothiazole-sulfenamide)
El-Sixty* (Di-benzothiazyl-dimethylthiol-urea)
Mertax (2-Mercaptobenzothiazole) (purified)
Ureka* Base (2,4-dinitrophenyl thiobenzothiazole)
Ureka C (Benzothiazyl thiobenzoate)
Thiotax (2-Mercaptobenzothiazole)
Thiofide* (Benzothiazyl disulfide)

Aldehyde Amine Accelerators

A-32 (Reaction product of butyraldehyde and butylidene aniline)
A-77* (Condensation product of acetaldehyde and aniline)
A-100 (Aldehyde derivative of a Schiff's base made with use of both butyraldehyde and acetaldehyde)

Guanidine Accelerators

DPG (Diphenylguanidine)
Guantal* (Reaction product of diphenylguanidine and phthalic acid)

Ultra Accelerators for Latex, Etc.

R-2 Crystals (Reaction product of carbon bisulfide with methylene dipiperidine)
Pip Pip (Piperidine N-Pentamethylene-dithiocarbamate)
Ethyl Thiurad* (Tetraethyl-thiuram-disulfide)
Mono Thiurad (Tetramethyl-thiuram-monosulfide)
Thiurad (Tetramethyl-thiuram-disulfide)
Methasan* (Zinc salt of dimethyl dithiocarbamic acid)
Ethasan* (Zinc salt of diethyl dithiocarbamic acid)
Butasan* (Zinc salt of dibutyl dithiocarbamic acid)

Special Materials

A-1 (Thiocarbanilidine) **Insoluble Sulfur 60**
Retarder ASA
Santovar* A (An alkylated polyhydroxy phenol)
Santovar O (An alkylated polyhydroxy phenol)

Also Colors, Reodorants, Wetting Agents and Plasticizers

*Reg. U. S. Pat. Off.

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Rubber Service Dept.
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SERVING INDUSTRY . . . WHICH SERVES MANKIND

*Company classifies itself as manufacturer or producer of this product

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Tackifiers
Extenders
Plasticizers
Dispersing aids
Mold lubricants
Latex thickeners

Vistac
Vultamol
Advagum
Dibenzyl ether
Polybutenes

ADVANCE
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245 Fifth Avenue
New York 16, N. Y.

CHEMICALS, (Soapmaking)

See Individual Listings and Advertisements on This Page

CHEMICALS, (Textile)

See Advertisements on Page 177 and Individual Listings

CHEMICALS, (Water Treatment)

See Advertisements on Page 178 and Individual Listings

CHESTNUT EXTRACT

Natural product obtained by bleaching bark of Castanea sativa. Uses—tanning leather; mordant in dyeing and printing textiles. Grades—ordinary; clarified; treated; 25% tan, 60% tan; liq.; powd.

*Academy Mfg Drug Corp, 544 E 171 St, N Y 57
American Dyewood Co, 285 Madison Ave, N Y
Hal Delphin & Co, 880 Bergen Ave, Jersey City 6, N J
Frank G Fanning, 50 E 42 St, N Y 17
F J Heap & Son, 65 High St, Boston, Mass
*Maywood Chem Works, Maywood, N J
Arthur C Trask Co, 4103 S LaSalle St, Chicago 9, Ill

CHILE SALTPETRE see Sodium Nitrate

CHINA BARK see Soap Bark

CHINESE BLUE see Prussian Blue

CHINESE OIL OF CINNAMON see Oil, Cassia

COMPOUNDING MATERIALS FOR RUBBER AND LATEX

RUBBER: Tackifiers • Mold Lubricants
NATURAL and SYNTHETIC LATEX: Stabilizers • Extenders • Tackifiers
Wetting and Conditioning Agents

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SODIUM SILICATE SOLUTION . . . a wide range of grades and strengths
SULFURIC ACID . . . all grades, carefully controlled in manufacture; oleums
TETRASODIUM PYROPHOSPHATE . . . Anhydrous, for soaps; Diamond Grade, for detergent compounds
TRISODIUM PHOSPHATE . . . four grades to suit your requirements—fine, standard, medium, coarse
Aluminum Chloride Solution
Aluminum Sulfate
Disodium Phosphate
Sodium Bisulfite
Sodium Hyposulfite
Sodium Sulfite
Sodium Sulfate, Anhydrous
Sodium Tripoly Phosphate
"Sulfan," stabilized sulfuric anhydride

B & A LABORATORY REAGENTS & FINE CHEMICALS

OTHER PRODUCTS – SEE INSIDE BACK COVER

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ALLIED CHEMICAL & DYE CORPORATION
40 RECTOR STREET, NEW YORK 6, N. Y.

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Coumarone resins, coal-tar softeners, plasticizing oils, and reclaiming oils for synthetic and natural rubber.
THE NEVILLE COMPANY
PITTSBURGH 25, PA.

*Company classifies itself as manufacturer or producer of this product

CHINESE VERMILION see Mercury Sulfide, Red

CHINESE WHITE see Zinc Oxide

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C_9H_5OINS & Na_2CO_3. Yellow crystalline powd., which effervesces in water and forms sodium iodoxy quinoline sulfonate; used as an antidysenteric and amebicide.

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Benzol Products Co, 237 South St, Newark 25, N J
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
Fallek Products Co, 163 Broadway, N Y 6
*Fisher Chem Co, 60 E 42 St, N Y 17
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Gane & Ingram, 43 W 16 St, N Y 11
*Lamex Chem Corp, 25 Broadway, N Y 4
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

CHINOLINE see Quinoline

CHINONE see Quinone

2-CHLOR 4 NITROANILINE see o-Chloro-p-Nitraniline

CHLORAL

*Bios Labs, 17 W 60 St, N Y 23
*Gane & Ingram, 43 W 16 St, N Y 11
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Montrose Chem Co, 120 Lister Ave, Newark 5, N J
Shawinigan Products Corp, 350 5 Ave, N Y 1
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

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$CCl_3CH(OH)_2$. M.W. 165.39. Transparent, colorless, rhomboidal cryst., or flat white crystalline masses. Pungent odor. Sp. gr. 1.901. B.P. 97.5°C. M.P. 47.4°C. Volatilize on exposure to air. Sol. water, alcohol, ether, oil of turpentine. Grades—tech.: U.S.P. Uses—in medicine; as an antiseptic; in organic synthesis.

American Roland Corp, 16 Hudson St, N Y
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
Conray Products, 510 6 Ave, N Y 11
Fallek Products Co, 163 Broadway, N Y 6
Fellows Medical Mfg Co, 26 Christopher St, N Y 14
Gallard Schlesinger Chem Co, 92 Liberty St, N Y

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Aqua Ammonia
Chromium Fluoride
Copper Sulfate
Disodium Phosphate
Epsom Salt
Formic Acid
Glauber's Salt, Crystal and Anhydrous
Hydrofluoric Acid
Lactic Acid
Lead Acetate
Magnesium Sulfate (Epsom Salt)
Muriatic Acid
Nitric Acid
Oxalic Acid
Potassium Dichromate
Sodium Bichromate
Sodium Bifluoride
Sodium Bisulfite, Anhydrous
Sodium Hyposulfite
Sodium Metasilicate
Sodium Silicate
Sodium Sulfate
Sodium Sulfite
Sodium Thiosulfate (Hypo)
Sodium Tripoly Phosphate
Sulfuric Acid
Tetrasodium Pyrophosphate
Trisodium Phosphate

B & A LABORATORY REAGENTS & FINE CHEMICALS

BASIC CHEMICALS — FOR AMERICAN INDUSTRY

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OTHER PRODUCTS – SEE INSIDE BACK COVER

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R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

CHLORALLYLENE see Allyl Chloride

CHLORALUM see Aluminum Chloride

CHLORAMINE B (Sodium Benzenesulfonechloramide)

$C_6H_5SO_2NClNa$. M.W. 213.56. White cryst. Uses—germicidal agent, textile desizing agent, oxidizing agent, deodorizing agent; for modifying starch and metal treatment.

Bendix Chem Corp, 420 Lexington Ave, N Y
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

CHLORAMINE T (Di) (N-Dichloro-p-toluenesulfonamide)

$CH_3C_6H_4SO_2NCl_2$. M.W. 240.04. Pale, yellowish cryst. or powd. M.P. 83°C. Sol. in water and most organic solvents.

J M Baird Co, 147 Nassau St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Matheson Co, Paragon Div, E Rutherford, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

CHLORAMINE T (Mono) (p-Toluenesulfonamide Sodium Salt)

$CH_3C_6H_4SO_2NClNa.3H_2O$. M.W. 281.62. White, crystalline powd. Uses—antiseptic and germicide.

J M Baird Co, 147 Nassau St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

CHLORBENZENE see Monochlorobenzene

CHLORBENZOL PHENYL CHLORIDE see Monochlorobenzene

CHLOROBENZOL see Monochlorobenzene

CHLORDANE (Octachloro-4,7-Methano-Tetrahydroindane)

$C_{10}H_6Cl_8$. M.W. 1141. Viscous liq. Sol. aliphatic, aromatic, chlorinated hydrocarbons, most ethers, esters. Uses—insecticide.

J M Baird Co, 147 Nassau St, N Y
*Beechem Labs, 1102 W State St, St Johns, Mich
Chapman Chem Co, 707 Dermon Bldg, Memphis, Tenn
*Chem Insecticide Corp, 57 13 St, Bklyn 15, N Y
Cole Labs, 42-25 9 St, L I C 1, N Y
Conray Products, 510 6 Ave, N Y 11
Delft Co, 20 E Jackson Blvd, Chicago 4, Ill
Faesy & Besthoff, 325 Spring St, N Y 13
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Lack Chem Co, 19 Park Pl, N Y 7
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
McKesson & Robbins, 155 E 44 St, N Y 17
McLaughlin Gormley King Co, 1715 S E 5 St, Minneapolis 14, Minn
Miller Chem & Fertilizer Corp, 1000 S Caroline St, Baltimore 31, Md
Mutchler Chem Co, 258 Broadway, N Y 7
Nash Chem Co, Box 596, Belle Glade, Fla
Plunkett Chem Co, 3500 S Morgan St, Chicago 9, Ill
John Powell & Co, 1 Park Ave, N Y 16
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Tuteur Bio-Chem, 60 Wall St, N Y 5
George Uhe Co, 76 9 Ave, N Y 14
*Velsicol Corp, 120 E Pearson St, Chicago 11, Ill
World Spray Co, 4609 Avalon Blvd, Los Angeles, Cal

CHLORETHANE see Ethyl Chloride

CHLORETONE see Chlorobutanol

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CHLORAL HYDRATE, U.S.P.
Supplied as colorless, dry, transparent crystals. Assay 99.5% min.; solubility in water (1:1), complete; conforms to U.S.P. test for carbonizable impurities and acidity.
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Organic Chemicals Division
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MONSANTO CHEMICALS – PLASTICS

CHLORIDE OF LIME see Bleaching Powder

CHLORINATED DIPHENYL

Uses—plasticizers; resins for lacquer; impregnating agents for woodwork; prep. of waterproof paper and building stone.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American Flrstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
Chem Service Corp, 82 Beaver St, N Y 5
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
Frank G Fanning, 50 E 42 St, N Y 17
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
Monsanto Chem Co, 1700 S 2 St, St Louis 4, Mo
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

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Pale to amber neutral light or viscous oils or soft wax. Sp. gr. .900-1.50. Odorless, inert; tasteless; flame resistant. Uses—flameproofing; mfr. extreme pressure lubricants; medicinal.

J M Baird Co, 147 Nassau St, N Y
*Dow Chem Co, Midland, Mich
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
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CHLORINATED LIME see Bleaching Powder

CHLORINE

Cl_2. Greenish-yellow liq. or gas. Sp. gr. gas 3.214 (air=1), liq. 1.44 (10°C). B.P. liq.—33.6°C at 760 mm. Sol. water, alkalies. Uses—mfr. hydrochloric acid, carbon tetrachloride, sulfur chloride, arsenic acid, sodium permanganate, carbonyl chloride, acetic anhydride, alkyl chlorides, bromine, organic and intermediate chemicals, chloral, dyes, military poison gases, ink, rubber substitutes; bleaching textiles, paper and powd.; paper pulp reagent; general chlorinating, substituting, oxidizing, detinning and dezincing agents; recovering gold and silver from ores; nickel and cobalt metallurgy; purifying water deodorant and germicide; in medicine. Grades—tech.

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60 East 42nd Street, New York 17, New York

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NIALK Caustic Soda · NIALK Paradichlorobenzene · NIALK TRICHLORethylene
NIAGATHAL* (Tetrachloro Phthalic Anhydride) *Trade-mark



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Wyandotte
REG. U. S. PAT. OFF.

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Other Organic and Inorganic Chemicals

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OFFICES IN PRINCIPAL CITIES

Executive Offices: Columbia-Southern Chemical Corporation, Subsidiary of Pittsburgh Plate Glass Co., Fifth Avenue at Bellefield, Pittsburgh 13, Pa.
District Offices: Chicago • Boston • New York • Philadelphia • Minneapolis Cleveland • St. Louis • Cincinnati • Charlotte • Houston • Dallas • New Orleans

COLUMBIA-SOUTHERN
CHEMICAL CORPORATION
A Subsidiary of Pittsburgh Plate Glass Company

FIFTH AVENUE AT BELLEFIELD, PITTSBURGH 13, PA.

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Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
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American Quinine Co, 15 William St, N Y
J M Baird Co, 147 Nassau St, N Y
*Belle Alkali Co, P O Box 615, Belle, W Va
*Brown Co, 650 Main St, Berlin, N H
Central O B Products Co, 1230 Genessee St, Buffalo N Y
John A Chew, 60 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Empire Chem Corp, 21 West St, N Y 6
*Fields Point Mfg Corp, Box 95 Edgewood Sta, Providence 5, R I
*Frontier Chem Co, 321 W Douglas, Wichita, Kan
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Herbert Chem Co, Vine St & Murray Rd, Cincinnati 17, Ohio
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
George E Howard, Riverview Manor, Harrisburg, Pa
*Julius Hyman & Co, Box 2171, Denver, Col
*Industrial Colloids & Chem, 127 W Jackson Ave, Knoxville 11, Tenn
*Innis, Speiden & Co, 117 Liberty St, N Y 6
*J W Jones Co, 135 Hardwood Ave, Caledonia, N Y
Kingston Chem Co, 15 William St, N Y 5
Legrand Chem Corp, 103-50 St, Bklyn 32, N Y
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Matheson Co, Paragon Div, E Rutherford, N J
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
Merchants Chem Co, 60 E 42 St, N Y 17
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
*Niagara Alkali Co, 60 E 42 St, N Y 17
Ohio Chem & Surgical Equipment Co, 1400 Washington Ave, Madison 10, Wis
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
Pioneer Salt Co, 940 N Delaware Ave, Phila, Pa

CHLORINE
Liquid

Other Chlorinating Agents:

- Muriatic Acid
- Sulfur Dichloride
- Sulfur Monochloride
- Sulfuryl Chloride
- Thionyl Chloride

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4715 Buffalo Ave., Niagara Falls, New York
New York, N. Y. · Tacoma, Wash. · Wilmington, Calif.

WRITE FOR GENERAL PRODUCTS LIST — HOOKER CHEMICALS

FOR LISTINGS OF OTHER PRODUCTS SEE AD IN CO. DIRECTORY SECTION

*Company classifies itself as manufacturer or producer of this product

CHLORINE, continued

Republic Chem Corp, 94 Beekman St, N Y 38
E M Sergeant Pulp & Chem Co, 7 Dey St, N Y 7
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Solvay Sales Div, 40 Rector St, N Y 6
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Ben P Steele Co, 342 Madison Ave, N Y 17
Tesco Chem, Box 173, Sta C, Atlanta, Ga
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
White Star Chem Corp, 2030 E Adams St, Jacksonville, Fla
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
Wollen Chem & Supply Co, 126 6 Ave, Paterson, N J
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

CHLORINE DIOXIDE

ClO_2. M.W. 67.46. Reddish-yellow irritating gas. Vapor density, approx. 2.4. Uses—taste and odor control; water purification; bleaching fats and oils, pulp, flour; oxidizing agent.

*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

CHLORMETACRESOL see Chlorocresol

CHLOROACETALDEHYDE

$ClCH_2CHO$. M.W. 78.5. Colorless liq. Sp. gr. 1.203. Uses—syntheses, due to its having a strong aldehyde reaction and a replaceable chlorine atom.

*Dow Chem Co, Midland, Mich

CHLOROACETAMIDE

$ClCH_2CO.NH_2$. M.W. 93.50. White cryst. M.P. 118-119°C. B.P. about 225° with decomposition. Sol. 10 water, 10 absolute alcohol; sl. sol. ether.

J M Baird Co, 147 Nassau St, N Y
*Chem Development Corp, Endicott St, Danvers, Mass
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J

o-CHLOROACETOACETANILIDE

$CH_3COCH_2CONHC_6H_4Cl$. M.W. 211.65. White, crystalline solid. M.P. 107°C. Insol. in water. Uses—mfr. azo dyes, including Hansa colors; intermediate in organic synthesis.

*U S Industrial Chem, 60 E 42 St, N Y
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

CHLOROACETONE

CH_2COCH_2Cl. Chloroacetone contains an active ketone group and an extremely reactive chlorine atom. It finds application in the synthesis of many products such as pharamaceuticals, dyes, and other organic compounds. For example, Chloroacetone reacts readily with amines to form acetonyl-amines, with glycols to form chlorodioxolanes, with mercaptans to form sulfides or sulfur ethers, and with potassium formate to form acetol. Its purity is 85% to 90%, the remainder consisting almost entirely of unsymmetrical dichloroacetone. Chloroacetone is a very powerful lachrymator and will blister the skin on contact. Adequate precautions should therefore be taken in handling this product. Properties: B.P. 119°C at 760 mm. of mercury (pure material). Flash point, 42.2° C. (108°F). Sp. gr. 1.165 at 20°C/20°C. Wt. per U.S. gallon, 9.69 lbs. at 68°F. Refractive index, 1.4324 at 20°C. Coefficient of cubical expansion, 0.00110 per °C, 0.00061 per °F. Odor, strong, irritating (lachrymatory).

Dickerson Co, Drexel Bldg, Phila 6, Pa
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

CHLOROACETOPHENONE (Phenacyl Chloride)

$C_6H_5COCH_2Cl$. M.W. 154.51. M.P. 59°C. Moisture less than 0.2%. Light brown crystalline solid. Uses—tear gas in cartridges, grenades and candles. Effective in concentrations as low as one part in three million of air. Grades—tech.

*Bios Labs, 17 W 60 St, N Y 23
*Dow Chem Co, Midland, Mich
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

CHLOROACETYL CHLORIDE

$CH_2Cl.COCl$. M.W. 112.9. Clear, colorless liq. with sharp odor. Very irritating to eyes and mucous membranes. Sp. gr. 1.459 at 0/4°. Wt. per gal. 12.5 lbs. at 0°C. B.P. 105.0 to 106.0°C. Decomp. in water and alcohol. Uses—mfr. chloracetophenone; in organic syntheses.

*Dow Chem Co, Midland, Mich
*Matheson Co, Paragon Div, E Rutherford, N J

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N. Little Rock	St. Louis	Houston	Tulsa

4-CHLORO-2-AMINO-ANISOLE see Chloroanisidine

m-CHLOROANILINE

C_6H_6NCl. M. W. 127.5. Clear, light, yellow liq. Distillation Range, 228.0°-231.0°C. Dry point (95% within 1.0°C). Cryst. point, approx.—10°C. Wt. per gal 10 lbs. Uses—mfr. dyestuffs, pigments. Metachloraniline finds application both direct, and when diazotized, as fast orange bases and salts. Used as an intermediate in the prep. of Anthosin Violet and Azo Brilliant Reds. Permanent Orange R. and Helio Orange GL. Ship. Req.—Poison (label required). Ship. Classification—dye intermediate.

*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

o-CHLOROANILINE

C_6H_6NCl. M.W. 127.54. Light amber-colored liq. Crystallizing point -4.5°C. min. Sol. dilute HCl. Distillation range 206.5°C to 211.5°C. (96% within 3°C.). Wt. per gal. 10 lbs., approx. Uses—intermediate for dyes.

Dickerson Co, Drexel Bldg, Phila 6, Pa
*Magnet Cove Barium Corp, Box 6504, Houston 5, Tex
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Verona Chem Co, 26 Verona Ave, Newark, N J

p-CHLOROANILINE

C_6H_6NCl. M.W. 127.5. Yellowish white solid. Distillation Range—229.0°C. to 230.0°C. (95% within 1.5°-C.). Wt. per gal.—11 lbs. approx. Uses—in the mfr. of chentlin yellow dyes. Ship—class dye intermediate. Ship req., poison (label required).

*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo

CHLOROANISIDINE (1-Methoxy-2-Amino-4-Chlorobenzene, 4-Chloro-2-Amino-Anisole)

$ClC_6H_3(OCH_3)NH_2$. M.W. 157.5. Gray crystalline solid. M.P. 83°C. Uses—dye intermediate.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Verona Chem Co, 26 Verona Ave, Newark, N J

b-CHLOROANTHRAQUINONE

$C_6H_4:(CO_2):C_6H_3Cl$. M.W. 242.51. Tan powd. M.P. 208°C. Sol. hot organic solvents and sulfuric acid; insol. water. Uses—dyestuff intermediate. Grades—tech.

*Calco Chem Div, Bound Brook, N J

CHLOROBENZALDEHYDE see Benzoyl Chloride

o-CHLOROBENZALDEHYDE

C_7H_5OCl. M.W. 140.5. Clear, colorless liq. of characteristic aromatic odor. F.P. about 9°C. B.P. at 760 mm., about 212°C. Sp. gr. 1.245 at 25°C. Uses—dye intermediate; for organic synthesis, and in the plastics trade.

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

p-CHLOROBENZALDEHYDE

C_7H_5OCl. M.W. 140.5. White crystalline solid. B.P. about 214°C. Freezing point 44°C. Uses—as intermediate for dyes; organic synthesis and as raw material for plasters and resins.

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

CHLOROBENZOL

*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Dow Chem Co, Midland, Mich
Faber Products Co, 163 Broadway, N Y 6
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
Joseph Weinstein, 4743 Walnut St, Phila, Pa

5-CHLOROBENZOTRIAZOLE

*Fairmount Chem Co, 600 Ferry St, Newark 5, N J

o-CHLOROBENZOTRICHLORIDE

$C_7H_4Cl_4$. M.W. 231. White solid. M.P. 25.4°C. Uses—dye intermediate; in organic synthesis.

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

p-CHLOROBENZOTRICHLORIDE

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Linder & Co, 296 N Beacon St, Boston 35, Mass

CHLORINATED BENZENES

1. Monochlorobenzene
2. o-Dichlorobenzene
3. Paradichlorobenzene
4. Trichlorobenzene

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o-CHLOROBENZOYL CHLORIDE

$C_7H_4OCl_2$. M.W. 176. Colorless liq. B.R. at 760 mm., about 118° F.P. about —6°C. Uses—dye intermediate; for organic synthesis.

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

p-CHLOROBENZOYL CHLORIDE

$C_7H_4OCl_2$. M.W. 176. Colorless liq. or white crystalline solid. B.P. about 222°C. Freezing point about 16°C. Uses—as dye intermediate and for organic synthesis.

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

o-CHLOROBENZYL CHLORIDE

$ClC_6H_4.CH_2Cl$. M.W. 161.03. Crystalline form—needles. M.P. 29°C. Insol. in water. Uses—quartenary ammonium compounds, chlorobenzylating agents.

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

p-CHLOROBENZYL CHLORIDE

$ClC_6H_4CH_2Cl$. M.W. 161.03. A clear liq. Sharp odor. B.P. 213-214°C. Uses—intermediate mfr. of dyes, medicinals, esters.

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

CHLOROBROMOMETHANE

*Dow Chem Co, Midland, Mich
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn

CHLOROBUTANOL (Chloretone, Acetone Chloroform, tertiary trichlorobutyl Alcohol)

$C\ Cl_3\ (CH_3)_2\ COH$. M.W. 177.47. White cryst. Sol. organic solvents. Uses—in medicine.

J M Baird Co, 147 Nassau St, N Y
Benzol Products Co, 237 South St, Newark 25, N J
*Edward S Burke, 65 Pine St, N Y
Gane & Ingram, 43 W 16 St, N Y 11
*Givaudan-Delawanna, 330 W 42 St, N Y 18
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

CHLOROCRESOL (Chlormethacresol)

$C_6H_3CH_3.OH.Cl$. White crystalline powd. B.P. 236°C. Sol. alcohol, benzene, chloroform. Uses—mfr. oxymono-azo dyes, parachlormetacresol dyes; preservative glue pastes and inks; disinfectant.

J M Baird Co, 147 Nassau St, N Y

CHLORO-m-CRESOL (Chloroxymethylbenzene)

$C_6H_3CH_3.OH.Cl$. White crystalline powd., cresol odor. B.P. 236°C. Sol. alcohol, benzene, chloroform. Uses—mfr. oxymonoazo dyes, parachlormetacresol $CH_3C_6H_3Cl.[4].HO$ dyes; preservative glue pastes and inks: as disinfectant.

J M Baird Co, 147 Nassau St, N Y
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

p-CHLORO-m-CRESOL

C_7H_7OCl. M.W. 142.53. Colorless cryst., phenolic odor. Sol. organic solvents; insol. water. M.P. 46°C. B.P. 196°C. Use—antiseptic preparations.

*Barrett Div, 40 Rector St, N Y 6
*Lehn & Fink Products Corp, 192 Bloomfield Ave, Bloomfield, N J
Reinhart Chem Corp, 405 Lexington Ave, N Y 17

2-CHLOROCYCLOHEXANONE

$C_6H_9O(Cl)$. M.W. 131.50. Colorless liq.; sharp odor. Uses—organic syntheses, insecticides.

*Farchan Research Labs, 609 E 127 St, Cleveland 8, Ohio

1-CHLORODECANE see Decyl Chloride

1-CHLORO-2,2-DIFLUOROPROPANE

$CH_3CF_2CH_2Cl$. M.W. 114.5. Colorless liq. B.P. 55°C. Insol. water. Uses—in the prep. of various fluorinated propanes.

*Halogen Chem, 1505 Charlton Dr, Columbia, S C

2-CHLORO-1, 4-DIHYDROXYBENZENE see Chlorohydroquinone

CHLOROETHENE see Vinyl Chloride

CHLOROETHYLENE see Vinyl Chloride

CHLOROFORM (Trichloromethane, Formyl Trichloride, Methenyl Trichloride)

$CHCl_3$. M.W. 119.38. Colorless, volatile liq., characteristic odor. lbs./gal., 12.52. Sp. gr. 1.5025 (12.5°/4°C). M.P. 63.2°C. B.P. 61.20°C. V.D. (15°C). lbs./cu. ft. 0.315. Latent Heat of Vap., B.T.U./lb., 106.4 S.H., cal./kg./°C. or B.T.U./lb./F., 0.254 (20°C.). Sol. alcohol, ether. Sl. sol. water. Uses—mfr. dyes, derived pharmaceuticals; solvent for extracting essential oils: fatty oil, rubber and gutta percha solvent: dissolving resins and alkaloids; fire extinguishing liq. to lower freezing point; cleansing delicate fabrics and fine garments. Grades—C.P.; U.S.P.; tech.

American Quinine Co, 15 William St, N Y
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
*Belle Alkali Co, P O Box 615, Belle, W Va
Bendix Chem Corp, 420 Lexington Ave, N Y
James V Bibbo Co, 110 Washington St, N Y 6
*Brown Co, 465 Congress St, Portland 3, Me
Chem Mfg Co, 21 West St, N Y 6
Conray Products, 510 6 Ave, N Y 11
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
L J & M La Place, Lellarts Lane, E Paterson, N J
*Lewis Co, 232 Canal St, N Y 13
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Prentiss Drug & Chem Co, 110 William St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Slater-Robbins Co, 28-44 Borden Ave, L I C, N Y

CHLOROFORM
U.S.P. AND TECHNICAL

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INCORPORATED
NATIONWIDE DISTRIBUTORS OF HEAVY AND FINE CHEMICALS

CHLOROFORMYL CHLORIDE see Phosgene

*Company classifies itself as manufacturer or producer of this product

CHLOROGUANIDE HYDROCHLORIDE

Conray Products Co, 510 6th Ave, N Y 11, N Y

1-CHLOROHEXADECANE see Cetyl Chloride

CHLOROHYDROQUINONE (Adurol, 2-Chloro-1,4-dihydroxybenzene)

$C_6H_2(OH)_2Cl$. M.W. 144.56. White to tan fine cryst. Melting Range 94-97°C. B.P. 263°C. Sol. water, alcohol, ether, hot chloroform. Uses—photographic developer; organic syntheses.

*Edwal Labs, Ringwood, Ill

CHLORO-IODO-OXYQUINOLINE

Philipp Bauer Co, 2 W 47 St, N Y
*Conray Products, 510 6 Ave, N Y 11
*Desmo Chem Corp, 565 5 Ave, N Y 17
Gane & Ingram, 43 W 16 St, N Y 11
*Lamex Chem Corp, 25 Broadway, N Y 4
*B L Lemke & Co, 199 Main St, Lodi, N J
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*Polychem Co, 494 Hunts Point Ave, N Y 59
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

o-CHLOROMERCURIPHENOL see o-Hydroxy Phenyl Mercuric Chloride

CHLOROMETHANE see Methyl Chloride

a-CHLORONAPHTHALENE

A chlorinated naphthalene. See monochlornaphthalene for properties and uses. Alphachlornaphthalene is a product usually of higher purity, with B. Range held to closer limits and containing no free chlorides or sulfates.

*Eston Chem, 3100 E 26 St, Los Angeles, Cal

o-CHLORO-p-NITRANILINE (2-Chlor 4 Nitroaniline)

$ClC_6H_3(NO_2).NH_2$. M.W. 172.5. Yellow cryst. solid. Sol. in most organic solvents; insol. water. M.P. above 107.0°C. Uses—as a dye intermediate.

*Dow Chem Co, Midland, Mich
Filo Color & Chem Corp, 202 E 44 St, N Y
*Sherwin-Williams Co, 100 Park Ave, N Y 17

p-CHLORO-o-NITRANILINE (4-Chlor-2-Nitraniline)

$ClC_6H_3NO_2NH_2$. M.W. 172.46. Bright orange finely ground powd. M.P. 116°C. Uses—intermediate in the mfr. of dry colors and dyestuffs.

*Dow Chem Co, Midland, Mich
Filo Color & Chem Corp, 202 E 44 St, N Y
*Verona Chem Co, 26 Verona Ave, Newark, N J

1-CHLORO-1-NITROETHANE

CH_3CHNO_2Cl. M.W. 109.52. Uses—solvent for fats and waxes; antigelling agent for rubber cement.

*Commercial Solvents Corp, 17 E 42 St, N Y 17

1-CHLORO-1-NITROPROPANE

$CH_3CH_2CHNO_2Cl$. M.W. 123.54. Miscible with most organic solvents. Uses—solvent for fats and waxes; antigelling agent for rubber cement.

*Commercial Solvents Corp, 17 E 42 St, N Y 17

2-CHLORO-2-NITROPROPANE

$CH_3CNO_2ClCH_3$. M.W. 123.54. Miscible with most organic solvents. Uses—solvents for fats and waxes; anti-gelling agent for rubber cement.

*Commercial Solvents Corp, 17 E 42 St, N Y 17

1-CHLOROPENTANE see n-Amyl Chloride

CHLOROPANOL see Propylene Chlorohydrin

o-CHLOROPHENOL

C_6H_5OCl. M.W. 128.53. Yellow or brown liq. Dist. limits 173.0° to 177.0°C. Sp. gr. 1.265 at 15.5°C. Wt. per gal. 10.5 lbs. approx. Uses—mfr. alizarines, pyrocatechol, in organic synthesis. Ship. Class.—dye intermediate. Ship. req.—Poison (label required).

*Dow Chem Co, Midland, Mich
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo

CHLOROGUANIDE HYDROCHLORIDE U. S. P. XIV
DI-IODO HYDROXYQUINOLINE U. S. P. XIV
IODOCHLORO HYDROXYQUINOLINE U. S. P. XIV
CHINIOFON U. S. P. XIV
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CHOLINE SALTS and DERIVATIVES

Conray PRODUCTS COMPANY
510 6 TH AVE., NEW YORK 11, N. Y.
OREGON 5-2505

p-CHLOROPHENOL

C_6H_5OCl. M.W. 128.53. Wt. per gal., 11 lbs. approx. Distillation limits 218.0° to 220°C. Distillation range 4°C. max. Yellowish light brown crystalline mass, unpleasant penetrating odor. Sp. gr. 1.306. M.P. 37°C. B.P. 217°C. Sol. alcohol, ether; very sl. sol. water. Uses—mfr. dyestuffs, intermediates, hydroquinone, pharmaceutical derivatives.

*Dow Chem Co, Midland, Mich
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo

CHLOROPHENOL, BLUE (Tetrachlorophenol Sulfonphthalein)

$C_{19}H_{10}Cl_4O_5S$. M.W. 492. Light yellow crystalline powd. Uses—pH indicator; pH range 3.0 (yellow) to 4.6 (blue).

*Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill

CHLOROPHENOL, RED (Dichlorphenolsulfonphthalein)

$C_{19}H_{12}Cl_2O_5S$. M.W. 423.2. Fine, green or greenish-brown crystals. Uses—pH indicator; pH range 5.2 (yellow) to 6.8 (red).

*Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*LaMotte Chem Products Co, Towson 4, Md
*National Aniline Div, 40 Rector St, N Y 6

6-CHLORO-2-PHENYLPHENOL

*Dow Chem Co, Midland, Mich

2-CHLORO-4-PHENYLPHENOL

$C_6H_3.C_6H_3ClOH$. M.W. 204.5. Light-colored crystalline solid. B.P. at 7 mm. 160-162°C. M.P. above 77.0°C. Sol. sodium hydroxide solutions and most organic solvents; insol. in water.

*Dow Chem Co, Midland, Mich

CHLOROPHYLL (Leaf Green)

$C_{34}H_{42}O_7N_4Mg$. Green, solid, crystalline. Natural. No. M.P. Decomposes on heating. Sol. alcohol; very sl. sol. ether. Uses—coloring foods, stearin candles, leather, perfumes, cosmetics, vaseline, soap and wax. Grades—oil sol.; water sol.

*Aceto Chem Co, 82 Beaver St, N Y 5
American Chlorophyll, Lock Drawer 231, Lake Worth, Fla
American Roland Corp, 16 Hudson St, N Y
J M Baird Co, 147 Nassau St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
Harry Dixon & Sons, 250 Park Ave, N Y 17
Fallek Products Co, 163 Broadway, N Y 6
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Foster-Heaten Co, 16 E 5 St, Patterson 4, N J
Gane & Ingram, 43 W 16 St, N Y 11
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
McKesson & Robbins, 155 E 44 St, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

CHLOROPICRIN (Chlorpicrin, Nitrochloroform, Nitrochloromethane, Trichloronitromethane)

CCl_3NO_2. M.W. 164.38. Colorless liq. Sp. gr. 1.692. M.P. —64°C. B.P. 112°C. Sol. alcohol, ether. Uses—killing silkworm in cocoons; as military poison gas; insecticide; disinfectant; in medicine.

Beechem Labs, 1102 W State St, St Johns, Mich
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Innis, Speiden & Co, 117 Liberty St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38

CHLOROPRENE

$H_2CCClCHSH_2$. M.W. 88.5. Colorless liq. with characteristic ethereal odor. Sl. sol. water; miscible with most organic solvents. Uses—principal use is in mfr. of neoprene.

*E I Du Pont de Nemours & Co, Organic Chem Dept, Wilmington, Del

CHLOROPROPYLENE OXIDE see Epichlorohydrin

Greeff
CHLOROPHYLL
Pharmaceutical
and Technical Grades
R. W. GREEFF & CO., INC.
10 ROCKEFELLER PLAZA, NEW YORK 20, N. Y. 2205 TRIBUNE TOWER, CHICAGO, ILLINOIS

*Company classifies itself as manufacturer or producer of this product

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CHLORIDE DIHYDROGEN CITRATE

CHLORGUANIDE HCl PABA

DIIODO-OXYQUINOLINE PIPERAZINE

DIPYRONE SULFACETAMIDE

THE POLYCHEMICAL CO.

494 Hunts Point Avenue
New York 59, N. Y.

CHLORPROPYLENEGLYCOL see a-Monochlorohydrin

2-CHLOROPYRIDINE

ClC_5H_4N. M.W. 113.55. Oil. B.P. 166°C. Sol. water.

*Bios Labs, 17 W 60 St, N Y 23
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J

CHLOROQUINOLINE

ClC_9H_6N. M.W. 163.60. Crystalline. Sol. organic solvents.

*Bios Labs, 17 W 60 St, N Y 23

2-CHLOROQUINOLINE

ClC_9H_6N. M.W. 163.60. Needle-shaped cryst. M.P. 37°C. B.P. 275°C. Insol. water; sol. alcohol; very sol. benzene, ligroin.

*Bios Labs, 17 W 60 St, N Y 23

2-CHLOROTHIOPHENE

*Bios Labs, 17 W 60 St, N Y 23
*Burns Allen Co, 58 Pearl St, Buffalo, N Y
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn

CHLOROTHYMOL

Germicide. Reported 120 times the germicidal strength of phenol, when tested against staphylococcus. aureus.

V Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Ottawa Chem Co, 819-823 Hamilton St, Toledo 7, Ohio
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

CHLOROTOLUENE

$ClC_6H_4CH_3$. Colorless liq.; mixture of ortho and para isomers. Sp. gr. 1.078-1.088 at 15½°/15½°C. Uses—rubber accelerators; organic intermediates.

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

CHLOROTOLUENE see Benzyl Chloride

o-CHLOROTOLUENE

$C_6H_4Cl(CH_3)$. Colorless liq. Sp. gr. 1.085 (15°C.). B.P. 159°C. Sol. alcohol, benzene, chloroform, ether. Uses—mfr. intermediates, orthochlorbenzaldehyde, o-Chlorbenzoic acid.

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

p-CHLOROTOLUENE

$C_6H_4ClCH_3$. Colorless liq. Sp. gr. 1.074. (15°C.). M.P. 7.4°C. B.P. 162°C. Sol. alcohol, benzene, chloroform, ether. Uses—mfr. intermediates, parachlorbenzaldehyde, parachlorbenzoic acid.

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

CHLOROTOLUOL see Benzyl Chloride

p-CHLORO-m-XYLENOL

Intermediate used in the mfr. of dyestuffs; in organic synthesis.

*Barrett Div, 40 Rector St, N Y 6
Reinhart Chem Corp, 405 Lexington Ave, N Y 17

CHLOROXYMETHYLBENZENE see Chloro-m-Cresol

CHLORPICRIN see Chloropicrin

CHLORYLENE see Trichloroethylene

CHOLEPYRRIN see Bilirubin

CHOLESTEROL

$C_{27}H_{46}O$. White, unctuous, pearly leaflets. Sp. gr. 1.0667. Melts 148-149°C when anhydrous. Sl. sol. in water; sol. in benzene, chloroform, ether, hot alcohol, oils, fats. Uses—in medicine, antihemolytic, anti-autolytic. Grades—tech. Cont.-tins.

°American Cholesterol Products, Middlesex Co, N J
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
Fallek Products Co, 163 Broadway, N Y 6
Frank G Fanning, 50 E 42 St, N Y 17
Lack Chem Co, 19 Park Pl, N Y 7
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
°Marine Products Co, 345 W 1, Boston 27, Mass
*Robinson Wagner Co, 110 E 42 St, N Y 17

CHOLESTEROL, continued

Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Sterone Corp, 250 W 57 St, N Y 19
*Wilson Labs, 4221 S Western Ave, Chicago 9, Ill

CHOLINE COMPOUND Sincaline, Bilineurine, Amanitine, Gossypine, Vidine, Bursine, Luridine, Fagine.

$C_5H_{15}O_2N$. M.W. 121.13. Found in many plants and animal organs, e.g., bile, brain, yolk of eggs, hops, belladonna. It is the basic constituent of Lecithin. Colorless, viscid, strongly alkaline liq.; very sol. in water; alcohol; insol.—ether. Uses—usually as the chloride.

American Roland Corp, 16 Hudson St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Calco Chem Div, Bound Brook, N J
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Conray Products, 510 6 Ave, N Y 11
*Dawe's Products & Affiliated Cos, 4800 S Richmond St, Chicago 32, Ill
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
*Desmo Chem Corp, 565 5 Ave, N Y 17
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Marine Products Co, 345 W 1 St, Boston 27, Mass
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Pendergrast Chem Co, 313 Chester Ave S E, Atlanta, Ga
Penray Corp, 340 Canal St, N Y 13
*Polychem Co, 494 Hunts Point Ave, N Y 59
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

CHONDRUSH see Moss, Irish

CHROME see Chromite

CHROME ALUM see Alum, Potash Chrome

CHROME GREEN

A precipitated mixture of lead chromate and iron ferro and ferricyanide blue, with or without other insol. compounds of lead used as a pigment. Available as a dry pigment, paste in oil, or paste in Japan.

J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Calco Chem Div, Bound Brook, N J
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
M O Grove & Co, 310 Sacramento St, San Francisco, Cal
Hummel Chem Co, 90 West St, N Y 6
*Imperial Paper & Color Corp, Box 231, Glens Falls, N Y
*Ky Color & Chem Co, 600 N 34 St, Louisville 12, Ky
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
L J & M La Place, Leliarts Lane, E Paterson, N J
Wm E Maher, P O Box 28 Astoria Sta 2, L I C, N Y
Chas Page & Co, 50 E 42 St, N Y 17
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
Republic Chem Corp, 94 Beekman St, N Y 38
*Sherwin-Williams Co, 100 Park Ave, N Y 17
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Utility Color Co, 377-399 Frelinghuysen Ave, Newark, N J
*Western Dry Color Co, 600 W 52 St, Chicago 9, Ill
Witco Chem Co, 295 Madison Ave, N Y 17

CHROME IRON STONE see Chromite

CHROME ORE see Chromite

CHROME YELLOW see Lead Chromate

CHROMIC ANHYDRIDE see Acid, Chromic

CHROMIC CHLORIDE see Chromium Chloride

CHROMIC FLUORIDE see Chromium Fluoride

CHROMIC OXIDE see Chromium Oxide

CHROMIC SULFATE see Chromium Sulfate

Greeff

CHOLINE SALTS

Pharmaceutical and
Feed Grades

Exclusive Sales Agents for
Meta Chemical Corp.
Plant at Newark, N. J.

R. W. GREEFF & CO., INC.

10 ROCKEFELLER PLAZA, NEW YORK 20, N. Y. · 2205 TRIBUNE TOWER, CHICAGO, ILLINOIS

°Company classifies itself as manufacturer or producer of this product

CHROMITE (Chrome, Chrome Ore, Ferrochromite, Chrome Iron Stone)

$FeOCr_2O_3$. Natural mineral. Sp. gr. 4.3-4.6°C. Insol. acids. Uses—mfr. bichromates and other chrome materials, chrome alloys of various kinds, chrome bricks, furnace linings. Grades—various.

American Firstoline Corp, 420 Lexington Ave, N Y
*Foote Mineral Co, Chelten Bldg, Phila, Pa
Charles Gilan & Co, 25 Beaver St, N Y 4
*Metallurg Inc, 100 Park Ave, N Y 17
Nopel Corp, 2 Broadway, N Y 4

CHROMIUM (Metal)

Cr. Steel gray. Solid. Sp. gr. 6.92. M.P. 1615°C. B.P. 2200°C. Sol. acids. Uses—mfr. ferro-chromium; as catalyst in making dyestuffs, intermediates, etc.; in metallurgy.

*Electro Metallurgical Co, 30 E 42 St, N Y 17
*Metal Hydrides, 16 Congress St, Beverley, Mass
*Metal & Thermit Corp, 100 E 42 St, N Y 17
*Metallurg Inc, 100 Park Ave, N Y 17
Metallurgical Products Co, 35 & Moore Sts, Phila 45, Pa

CHROMIUM ACETATE (Chromous Acetate)

Chromic normal $Cr(C_2H_3O_2)_3H_2O$. Chromous normal $Cr(C_2H_3O_2)_2+H_2O$. Chromic normal grayish-green powd. Chromous normal brownish-violet powd. Sol. water; insol. alcohol. Uses—mordant in dyeing and printing textiles; in tanning leather; gas analysis. Grades—solution 20 deg. Be.; paste; powd.; tech.; C.P.

American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Glover M Birk, Monon & Lincoln Aves, New Albany, Ind
*Fiber Chem Corp, Box 218, Matawan, N J
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
Republic Chem Corp, 94 Beekman St, N Y 38

CHROMIUM BROMIDE (Chrome Bromide)

$CrBr_3 6H_2O$. M.W. 399.85. Dark greenish-black, very deliq. cryst. Sol. 0.5 water, alcohol, insol. ether.

*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

CHROMIUM CARBONATE (Chromic Carbonate)

A basic carbonate, containing 50-55% chromium 73-80% CrO_3. Grayish-blue powd. Insol. water; sl. sol. water containing CO_2; sol. in mineral acids.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J

CHROMIUM CHLORIDE (Chromic Chloride, Chromium Sesquichloride)

$CrCl_3$. Greenish, crystalline powd. Sp. gr. 2.757 (15°C). B.P. 1200-1500°C. Sl. sol. hot water, sol. water in presence of trace chromous chloride. Sublimes to form chromium sesquichloride. Used as a catalyzer. Uses—mfr. chromium salts; catalyst in making intermediates and organic chemicals; mordant in dyeing and printing textiles; finishing leather; electroplating chromium. Grades—tech.; C.P.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
*Glover M Birk, Monon & Lincoln Aves, New Albany, Ind
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio

CHROMIUM FLUORIDE (Chromic Fluoride)

$CrF_3.4H_2O$. Green crystalline powd. Sp. gr. 3.78. Decomposes on heating. Sol. water, acids. Uses—mordant in dyeing and printing textiles; pigment in coloring marble; hardening stone. Grades—cryst. (33% Cr_2O_3); solution (11% Cr_2O_3); tech., C.P.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
*Fiber Chem Corp, Box 218, Matawan, N J
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio

CHROMIUM FORMATE

*City Chem Corp, 132 W 22 St, N Y 11
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio

CHROMIUM HYDROXIDE (Chromic Hydroxide)

$Cr(OH)_3$. M.W. 103.03. Grayish-blue or grayish-green powder. Insol. water; sol. dil. mineral acids when freshly prepared. Use—As pigment, also dissolved in NaOH as a mordant.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Imperial Paper & Color Corp, Box 231, Glens Falls, N Y
*Mineral Pigments Corp, Muirkirk, Md
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*C K Williams & Co, 640 N 13 St, Easton, Pa

CHROMIUM NAPHTHENATE

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
J M Baird Co, 147 Nassau St, N Y
Mathe Chem Co, 169 Milbank St, Lodi, N J
Witco Chem Co, 295 Madison Ave, N Y 17

CHROMIUM NITRATE

$Cr(OH)(NO_3)_2$. M.W. 193. Dark green liquid. Sol. water, alcohol. Uses—intermediate.

*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6

CHROMIUM OLEATE

Beier Co, 150 Nassau St, N Y 38

CHROMIUM OXALATE

$CrC_2O_4.H_2O$. M.W. 158.03. Yel. cryst. powd. Sol. water. Available in sample quantities, larger amounts produced on order.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Zinsser & Co, Railroad Ave, Hastings-On-Hudson, N Y

CHROMIUM OXIDE (Chromic Oxide, Oil Green, Chromium Sesquioxide, Green Cinnabar)

Cr_2O_3. M.W. 152.02. Bright green, crystalline powd. Sp. gr. 5.21. M.P. 1990°C. Slightly sol. acids. Uses—mfr. chromium alloys, chromates, intermediates and organic chemicals, target signals, dyes, electric batteries, green pigment in ceramics, glass, inks, paints, varnishes and rubber; catalyst in chemical processes; laboratory reagent; mordant in dyeing and printing textiles; in steel, brass and metal industries; process engraving; medicine Grades—tech.; C.P.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Chem Mfg Co, 21 West St, N Y
Elbert & Co, 2 Broadway, N Y
Filo Color & Chem Corp, 202 E 44 St, N Y
*Imperial Paper & Color Corp, Box 231, Glens Falls, N Y
International Selling Corp, 70 Pine St, N Y 5
*H Kohnstamm & Co, 83 Park Pl, N Y 7
L J & M La Place, Leliarts Lane, E Paterson, N J
Wm E Maher, P O Box 28 Astoria Sta 2, L I C, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Mineral Pigments Corp, Muirkirk, Md
C J Osborn Co, 132 Nassau St, N Y
Chas Page & Co, 50 E 42 St, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*C K Williams & Co, 640 N 13 St, Easton, Pa
Witco Chem Co, 295 Madison Ave, N Y 17

CHROMIUM POTASSIUM SULFATE see Alum, Potash Chrome

CHROMIUM POWDER

Cr. 99.50%. Supplied in various meshes such as 250-300 mesh.

Hummel Chem Co, 90 West St, N Y 6
*Metal Hydrides, 16 Congress St, Beverley, Mass
*Metallurg Inc, 100 Park Ave, N Y 17
*Metals Disintegrating Co, P O Box 290, Elizabeth, N J

CHROMIUM SESQUICHLORIDE see Chromium Chloride

CHROMIUM SESQUIOXIDE see Chromium Oxide

DIAMOND CHROMIUM CHEMICALS

BICHROMATE OF SODA • BICHROMATE OF POTASH • CHROMIC ACID • TANNING SALTS AND EXTRACTS

DIAMOND SALES OFFICES: New York, Philadelphia, Pittsburgh, Cleveland, Cincinnati, Chicago, St. Louis, Memphis and Houston. Also representatives in principal cities.

DIAMOND ALKALI COMPANY
CLEVELAND 14, OHIO

DIAMOND ALKALI CHEMICALS

*Company classifies itself as manufacturer or producer of this product

KOREON

(Basic Chromic Sulfate)

PREPARED ONE–BATH CHROME TAN

	Koreon M	Koreon X
Cr_2O_3	24%	25%
Basicity, Schorlemmer	33%	52%

Packing: Bags weighing 75 lbs. net and fibre drums approximately 325 lbs. net.

MUTUAL CHEMICAL CO. OF AMERICA — SINCE 1845 — REG. U.S. PAT. OFF.

Largest and Oldest Manufacturers of Chromium Chemicals in the United States

MUTUAL CHEMICAL CO., of AMERICA

270 Madison Avenue
New York 16, N. Y.
Plants: Baltimore and Jersey City

CHROMIUM STEARATE

Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*Mathe Chem Co, 169 Milbank St, Lodi, N J
*Warwick Chem Co Div, Wood River Junction, R I
Witco Chem Co, 295 Madison Ave, N Y 17

CHROMIUM SULFATE (Chromic Sulfate, Wool Mordant)

a. $Cr_2(SO_4)_3$. b. $Cr_2(SO_4)_3 15H_2O$. c. $Cr_2(SO_4)_3 18H_2O$. a. Violet or red. b. Dark green. c. Blue. All solids. a. Amorp. b. Amorp. scales. c. Crystalline. Sp. gr. a. 3.012. b. 1.867. c. 1.7 (22°C). Loses water on heating. a. Insol. water, acids. b. Sol. water. c. Sol. water. Uses—mfr. green inks; green pigment in ceramics, paints, and varnishes; mordant in dyeing and printing textiles. Grades—tech.; cryst.; scales; powdered; C.P.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Glover M Birk, Monon & Lincoln Ave, New Albany, Ind
Faesy & Besthoff, 325 Spring St, N Y 13
*Fiber Chem Corp, Box 218, Matawan, N J
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Republic Chem Corp, 94 Beekman St, N Y 38

CHROMIUM TRIOXIDE see Acid, Chromic

CHROMOUS ACETATE see Chromium Acetate

CHRYSENE

$C_{18}H_{12}$. M.W. 228.09. An aromatic hydrocarbon occurring in coal tar. Colorless scales, reddish-violet fluorescence. M.P. 250-254°C; B.P. 448°C. Insol. —water. Sol.—hot solvents.

*Bios Labs, 17 W 60 St, N Y 23
Elbert & Co, 2 Broadway, N Y

CINCHOPHEN (Phenylcinchoninic Acid, 2-Phenylquinoline-4, Carboxylic Acid, Quinophan [B.P.C.], Phenoquin, Argotan)

CINCHOPHEN, continued

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Benzol Products Co, 237 South St, Newark 25, N J
*Edward S Burke, 65 Pine St, N Y
*Calco Chem Div, Bound Brook, N J
Conray Products, 510 6 Ave, N Y 11
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
European Chem Co, 366 Broadway, N Y 13
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Gane & Ingram, 43 W 16 St, N Y 11
Legion Chem, 70 Wall St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
*Merck & Co, 100 Lincoln Ave, Rahway, N J
Mutchler Chem Co, 258 Broadway, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Tuteur Bio-Chem, 60 Wall St, N Y 5
George Uhe Co, 76 9 Ave, N Y 14

CINCHOPHEN METHYL ESTER (Methyl Phenylcinchoninate)

$C_{17}H_{13}O_2N$. M.W. 263.29. White or yellowish-white, practically odorless powd. Sol. alcohol, ether, benzol; insol. water. Uses—cinchophen.

*Arabol Mfg Co, 110 E 42 St, N Y 17
*Calco Chem Div, Bound Brook, N J
Tuteur Bio-Chem, 60 Wall St, N Y 5

CINEOLE see Eucalyptol

CINNABAR (Artificial) see Mercury Sulfide, Red

CINNAMIC ACETATE

Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*Van Dyk & Co, Main & William Sts, Belleville, N J

CINNAMIC ALDEHYDE

C_9H_8O. M.W. 132.11. Yellowish liq. with cinnamon odor. Uses—in perfumery.

American-British Chem Supplies, 180 Madison Ave, N Y
*Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Wm S Gray & Co, 342 Madison Ave, N Y 17
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Geo Lueders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*Marine Products Co, 345 W 1 St, Boston 27, Mass
*Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
Polak & Schwartz, 667 Washington St, N Y 14
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

CINNAMIC BUTYRATE

Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13

CINNAMIC FORMATE

Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13

CINNAMIC PROPIONATE

Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13

CITRACONIC ANHYDRIDE

$C_5H_4O_3$. M.W. 112.08. Liq. 1. B.P. 213-214°C. Decomp. water; very sol. alcohol, ether. Uses—esters for plastics; separation of alcohols; primary standard for alkalimetry.

*Bios Labs, 17 W 60 St, N Y 23
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y

CITRAL

$C_9H_{15}CHO$. Occurs in 4 isomeric forms. Colorless to yellowish liq. with lemon odor. Sp. gr., 0.895 at 20°C. Uses—to give lemon odor to perfumes; used in lemon extract and in flavoring.

MONSANTO
SANTOTAN-KR
(BASIC CHROME SULFATE)

Specifications: Dark green crystals; solution in water (5:500), clear; basicity (Cr_2O_3/SO_3), 101-105; basicity (Schorlemmer), 37.3%-39.7%; chromium as Cr_2O_3, 23.9% min. Uses: In chrome tanning of calf, cow and horse hides and sheepskins.

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division
St. Louis 4, Mo.
Santotan: Reg. U. S. Pat. Off.

MONSANTO CHEMICALS–PLASTICS

SERVING INDUSTRY . . . WHICH SERVES MANKIND

Fine Chemicals — BPC

CINCHOPHEN

NEOCINCHOPHEN

BENZOL PRODUCTS CO.

237 SOUTH STREET — NEWARK 5, N. J.

*Company classifies itself as manufacturer or producer of this product

CITRAL, continued

*Dodge & Olcott, 180 Varick St, N Y 14
*P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Fritzsche Bros, 76 9 Ave, N Y 11
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
Polak & Schwartz, 667 Washington St, N Y 14
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J
O J Weeks Co, 16 Hudson St, N Y 13

CITRON YELLOW see Zinc Chromate

CITRONELLA CEYLON

Essential oil. Straw colored liq. Uses—soaps.

Braun Corp, 2260 E 15 St, Los Angeles 21, Cal
C B Coburn Co, 63 Market St, Lowell, Mass
Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Charles Gitlan & Co, 25 Beaver St, N Y 4
Geo Lueders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*S B Penick & Co, 50 Church St, N Y 7
Polak & Schwartz, 667 Washington St, N Y 14
Prentiss Drug & Chem Co, 110 William St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Silber Hegner & Co, 183 Madison Ave, N Y 16
Harold A Sothern, 230 Park Ave, N Y 17
Tombarel Products Corp, 12 E 22 St, N Y 10

CITRONELLAL

$C_{10}H_{18}O$. M.W. 154.19. Colorless liq. B.P. 207°C. Very sl. sol. water, miscible with alcohol or ether. Uses—perfumery, flavoring.

Barclay Chem Co, 75 Varick St, N Y
Dodge & Olcott, 180 Varick St, N Y 14
*P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
*S B Penick & Co, 50 Church St, N Y 7
Polak & Schwartz, 667 Washington St, N Y 14
Tombarel Products Corp, 12 E 22 St, N Y 10

CITRONELLOL

$C_{10}H_{20}O$. M.W. 156.21. Colorless liq. with rose odor. Very sl. sol. water, miscible alcohol or ether. Sp. gr. 0.859. at 20°C. B.R. 223 to 228°C. Uses—perfumery.

Dodge & Olcott, 180 Varick St, N Y 14
*P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
*S B Penick & Co, 50 Church St, N Y 7
Polak & Schwartz, 667 Washington St, N Y 14
Tombarel Products Corp, 12 E 22 St, N Y 10
*Van Ameringen Haebler, 521 W 57 St, N Y 19
*Verona Chem Co, 26 Verona Ave, Newark, N J

CIVET (Natural)

Unctuous secretion from civet cat, Viverra civetta, Zibetha. Habitat Asia, Malakka Islands and East Indies. Sol. hot alcohol and ether; insol. in water. Uses—fixative for perfumes. Grades—tech.; crude and refined.

Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Geo Lueders & Co, 427 Washington St, N Y 13
*Julian W Lyon, 7 Dey St, N Y 7
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*J Manheimer, 214 E 21 St, N Y 19
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
Herbert H Parker, 2 Broadway, N Y 4
Polak & Schwartz, 667 Washington St, N Y 14
Tombarel Products Corp, 12 E 22 St, N Y 10

o-CLASE see Feldspar

CLAYS, ACTIVATED

Acid-treated clays, usually bentonite whose bleaching action has been considerably increased by the action of the acid. Generally used in form of fine powd.

*Attapulgus Clay Co, 210 W Washington Sq, Phila, Pa
*Filtrol Corp, Los Angeles, Cal
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Floridin Co, 200 Liberty St, Warren, Pa
Innis, Speiden & Co, 117 Liberty St, N Y 6
L A Salomon & Bro, 216 Pearl St, N Y 38
*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J

CLAYS, BALL

A tough, strong and very plastic clay, though not necessarily white in color, as a matter of fact it usually runs gray, tan, bluish, etc.—the name "Ball Clay" is derived from the original clay pits in England, where this kind of clay was mined in the form of balls, each ball weighing approx. 33 lbs.

*English China Clays Sales Corp, 551 5 Ave, N Y 17
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Hammill & Gillespie, 225 Broadway, N Y 7

ECCO CLAYS

CLAYS

FOR
ALL PURPOSES

- PAPER MAKERS
- POTTERY
- PULVERIZED
- COLLOIDAL
- BALL

ENGLISH CHINA CLAYS SALES CORP.
551 FIFTH AVENUE • NEW YORK 17, N. Y.

dependable source
citral
More than 151 years of Progress and Experience
D&O ESTABLISHED 1798
DODGE & OLCOTT, INC.
180 Varick Street • New York 14, N. Y.
ESSENTIAL OILS • AROMATIC CHEMICALS
PERFUME BASES • VANILLA • FLAVOR BASES

Materials Processed
With Your Product
in Mind

QUALITY clays of high whiteness, fractionated to special particle sizes to meet the requirements of manufacturers of filled and coated papers, wallpaper, paint, ink, leather, rubber, plastics and ceramics.

Edgar

Edgar Brothers Company
METUCHEN, NEW JERSEY
Incorporated 1899
MINES, PLANTS AND LABORATORIES,
McINTYRE AND GARDNER, GEORGIA

DILUEX

This inert and compatible diluent has been successfully used for years in insecticides, fungicides, and fertilizers. Improves the dusting and flow of dry mixtures, disperses rapidly in water without lumping, makes for wide coverage, and has excellent adhesive quality. Gives full support to toxic ingredients. Samples and data on request.

FLORIDIN COMPANY
DEPT. L, 220 LIBERTY ST.
WARREN, PA.

*Company classifies itself as manufacturer or producer of this product

GK

CHINA CLAYS

Selected Particle Size

CERAMICS — PAPER—filling and coating

RUBBER — PAINTS ✯ TEXTILES

Fifty Years of Progress

Georgia Kaolin Company

433 No. Broad St., Elizabeth 3, N. J.

HUBER

CLAYS

Water Washed and Airfloated China Clays (Kaolin)

FOR

Paper . . . filler, coating
Rubber
Ceramics

Adhesives
Insecticides
Textiles

J. M. HUBER CORPORATION

100 PARK AVENUE, NEW YORK 17, NEW YORK

INDUSTRIAL

CLAYS

FOR

Ceramics
Paper
Rubber
Water Paints
Inks
Adhesives

Abrasives
Textiles
Insecticides
Refractories
Porcelain Enamel
Pigments

UNITED CLAY MINES

CORPORATION

TRENTON, NEW JERSEY

CLAYS, BALL, continued

*John W Higman Co, 24 State St, N Y 4
*Illinois Minerals Co, 807½ Washington Ave, Cairo, Ill
*Ky Clay Mining Co, Mayfield, Ky
Moore & Munger, 33 Rector St, N Y 6
*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J

CLAYS, BLEACHING

Include those earth products used in the refining of petroleum, animal, and vegetable oils by the percolation and contact techniques. See also Fuller's Earth; Bauxite; Clays, Activated; Clays, Bleaching.

*Attapulgus Clay Co, 210 W Washington Sq, Phila, Pa
*Diversey Corp, 1820 Roscoe St, Chicago, Ill
*English China Clays Sales Corp, 551 5 Ave, N Y 17
*Floridin Co, 200 Liberty St, Warren, Pa
*Gen Reduction Co, 1820 Roscoe St, Chicago 13, Ill
*Industrial Minerals & Chem Co, 6 & Gilman Sts, Berkeley 10, Cal
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Magnet Cove Barium Corp, Box 6504, Houston 5, Tex
L A Salomon & Bro, 216 Pearl St, N Y 38
*Sierra Talc & Clay Co, 5509 Randolph St, Los Angeles 22, Cal
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J
Western Chem & Mfg Co, 3270 E Washington Blvd, Los Angeles 23, Cal

CLAYS, CALCINED

Clay, either China or Ball, which has been subjected to a rather high heat (approx. 2400 to 2450 deg. F.) which removes or destroys certain chemicals found in the natural material—also removes the plastic qualities and combined water.

*Attapulgus Clay Co, 210 W Washington Sq, Phila, Pa
Dickerson Co, Drexel Bldg, Phila 6, Pa
*English China Clays Sales Corp, 551 5 Ave, N Y 17
*Floridin Co, 200 Liberty St, Warren, Pa
Fougera & Co, 75 Varick St, N Y 13
*Gen Reduction Co, 1820 Roscoe St, Chicago 13, Ill
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J

CLAYS, CHINA (Kaolin, Bolus Alba, Argilla, White Bole, Porcelain Clay, Cornish Clay, Pipe Clay, Porcelain Earth)

$Al_2O_3.2SiO_2.2H_2O$. White to grayish fine powd. Sp. gr. 1.8-2.6 Sol. hydrochloric acid. Uses—mfr. glass, potteries, porcelains, white earthenware, tile, glazes and slips, textile size, color lakes, lead pencils, rope, string, emery wheels, litharge, ceramic colors, electric insulators, scouring soaps; wall paper, paper, paint and rubber filler; printing paste thickener and filling agent; bleaching agent and clarifier of oils, paints, varnishes, enamels; tanning and finishing leather; in medicine. Grades—various as to color, etc.

American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
Charles B Chrystal Co, 53 Park Pl, N Y 7
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Edgar Bros Co, Metuchen, N J
*English China Clays Sales Corp, 551 5 Ave, N Y 17
Floratsynth Labs, 1513 Olmstead Ave, N Y 61
*Georgia Kaolin Co, 433 N Broad St, Elizabeth, N J
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Hammill & Gillespie, 225 Broadway, N Y 7
*John W Higman Co, 24 State St, N Y 4
*J M Huber Corp, 100 Park Ave, N Y 17
Innis, Speiden & Co, 117 Liberty St, N Y 6
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Moore & Munger, 33 Rector St, N Y 6
D H Osgood Co, 4181 Oakman Blvd, Detroit 4, Mich
M W Parsons-Plymouth, 59 Beekman St, N Y 38
L Reusche & Co, 2-6 Lister Ave, Newark 5, N J
L A Salomon & Bro, 216 Pearl St, N Y 38
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
J W Stark Co, 804 New Center Bldg, Detroit 2, Mich
*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J
*R T Vanderbilt Co, 230 Park Ave, N Y
Witco Chem Co, 295 Madison Ave, N Y 17

CLAYS, COATING

China clays (kaolins) distinguished from others by the rather strict control of particle size distribution; generally 70%-95% by wt. consists of particles under 2 microns. Color, brightness and viscosity are also controlled. Uses—coating paper, textiles, etc., in paints and as high grade fillers.

American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Attapulgus Clay Co, 210 W Washington Sq, Phila, Pa
*Edgar Bros Co, Metuchen, N J
*English China Clays Sales Corp, 551 5 Ave, N Y 17

*Company classifies itself as manufacturer or producer of this product

CLAYS, COATING, continued

*Georgia Kaolin Co, 433 N Broad St, Elizabeth, N J
*Hammill & Gillespie, 225 Broadway, N Y 7
*John W Higman Co, 24 State St, N Y 4
*J M Huber Corp, 100 Park Ave, N Y 17
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Moore & Munger, 33 Rector St, N Y 6
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J
*R T Vanderbilt Co, 230 Park Ave, N Y
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa

CLAYS, COLLOIDAL

A type of clay which will remain in suspension for quite a period of time without settling.

*American Colloid Co, Merchandise Mart Plaza, Chicago, Ill
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Attapulgus Clay Co, 210 W Washington Sq, Phila, Pa
*Baroid Sales Div, 830 Ducommun St, Los Angeles 12, Cal
Charles B Chrystal Co, 53 Park Pl, N Y 7
*Commercial Minerals Co, 310 Irwin St, San Francisco 7, Cal
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Eastern Clay Products, Jackson, Ohio
*Edgar Bros Co, Metuchen, N J
*English China Clays Sales Corp, 551 5 Ave, N Y 17
*Floridin Co, 200 Liberty St, Warren, Pa
*Georgia Kaolin Co, 433 N Broad St, Elizabeth, N J
*Hammill & Gillespie, 225 Broadway, N Y 7
Harry Haze, 435 N Michigan Ave, Chicago 11, Ill
*Industrial Minerals & Chem Co, 6 & Gilman Sts, Berkeley 10, Cal
Innis, Speiden & Co, 117 Liberty St, N Y 6
Moore & Munger, 33 Rector St, N Y 6
M W Parsons-Plymouth, 59 Beekman St, N Y 38
L A Salomon & Bro, 216 Pearl St, N Y 38
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J
Warren-Douglas Chem, 1513 Burt St, Omaha 2, Neb

CLAYS, CRUCIBLE

A particular type of Ball Clay, capable of withstanding extremely high temps. Uses—in the mfr. of various types of crucibles.

*English China Clays Sales Corp, 551 5 Ave, N Y 17
*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J

CLAYS, CRUDE POT

A highly refractory clay, used almost exclusively in the mfr. of glass pots which in turn are used in the mfr. of glass.

*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J

CLAYS, ENAMELERS'

Clays which are rather plastic and "fatty"—must be capable of floating the non-plastic enamel ingredients. This type of clay should be extremely pure and free from carbonates. There are several uses for this clay in enamels, one, for the ground coat, the other, the finishing coat. During the past few years a combination of domestic clays, including a very pure Florida clay has become very popular with the enameling industry.

*Edgar Bros Co, Metuchen, N J
*Georgia Kaolin Co, 433 N Broad St, Elizabeth, N J
*John W Higman Co, 24 State St, N Y 4
*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J

CLAYS, FILLER

Various types of clays used in paper coating, textile sizing, paint mfr., pharmaceuticals as fillers and extenders.

American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Attapulgus Clay Co, 210 W Washington Sq, Phila, Pa
R E Carroll, 231 Broad St Bank Bldg, Trenton 1, N J
*Edgar Bros Co, Metuchen, N J
Wm D Egleston Co, 249 5 St, Cambridge 42, Mass
*English China Clays Sales Corp, 551 5 Ave, N Y 17
*Floridin Co, 200 Liberty St, Warren, Pa
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Hammill & Gillespie, 225 Broadway, N Y 7
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
*John W Higman Co, 24 State St, N Y 4
*J M Huber Corp, 100 Park Ave, N Y 17
*Industrial Minerals & Chem Co, 6 & Gilman Sts, Berkeley 10, Cal
Innis, Speiden & Co, 117 Liberty St, N Y 6
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
*Los Angeles Chem Co, 1960 Sante Fe Ave, Los Angeles 21, Cal
Merchants Chem Co, 60 E 42 St, N Y 17
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
H N Richards Co, 1475 Prospect St, Trenton 8, N J
L A Salomon & Bro, 216 Pearl St, N Y 38
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J
*R T Vanderbilt Co, 230 Park Ave, N Y
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
Robert L Webber Co, 52 Vanderbilt Ave, N Y 17
Witco Chem Co, 295 Madison Ave, N Y 17

CLAYS, FILLER, continued

H N Richards Co, 1475 Prospect St, Trenton 8, N J
L A Salomon & Bro, 216 Pearl St, N Y 38
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J
*R T Vanderbilt Co, 230 Park Ave, N Y
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
Robert L Webber Co, 52 Vanderbilt Ave, N Y 17
Witco Chem Co, 295 Madison Ave, N Y 17

CLAYS, FIRE

Chief object of this type of clay is to withstand excessive heats without deforming or melting. A true Fire Clay should withstand 3000°F. without running or melting in any way.

T & W H Corson, Plymouth Meeting, Pa
*Eastern Clay Products, Jackson, Ohio
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Ironton Fire Brick Co, Box 124, Ironton, Ohio
*Kennedy Minerals Co, 2550 E Olympic Blvd, Los Angeles 23, Cal
*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J

CLAYS, FOUNDRY

*American Colloid Co, Merchandise Mart Plaza, Chicago, Ill
*Baroid Sales Div, 830 Ducommun St, Los Angeles 12, Cal
*Eastern Clay Products, Jackson, Ohio
*Gen Reduction Co, 1820 Roscoe St, Chicago 13, Ill
*Illinois Minerals Co, 807½ Washington Ave, Cairo, Ill
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J

CLAYS, HIGH ALUMINA

*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J

CLAYS, INSECTICIDAL DUSTING

Clay which is pulverized, airfloated and unusually light and fluffy—very bulky and light in wt. per cu. ft. A clay, light gray in color is most desirable. Must show a pH value of 4.5 to 6. Used by insecticide mfr. of rotenone dusts.

*American Colloid Co, Merchandise Mart Plaza, Chicago, Ill
American Firstoline Corp, 420 Lexington Ave, N Y
*Attapulgus Clay Co, 210 W Washington Sq, Phila Pa
J M Baird Co, 147 Nassau St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
R E Carroll, 231 Broad St Bank Bldg, Trenton 1, N J
Charles B Chrystal Co, 53 Park Pl, N Y 7
*Diversey Corp, 1820 Roscoe St, Chicago, Ill
*Edgar Bros Co, Metuchen, N J
Wm D Egleston Co, 249 Fifth St, Cambridge 42, Mass
Mitchell Fels, 274 Ashmead St, Box 4270, Phila 44, Pa
*Floridin Co, 200 Liberty St, Warren, Pa
*Gen Reduction Co, 1820 Roscoe St, Chicago 13, Ill
*Georgia Kaolin Co, 433 N Broad St, Elizabeth, N J
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Hammill & Gillespie, 225 Broadway, N Y 7
*J M Huber Corp, 100 Park Ave, N Y 17
*Industrial Minerals & Chem Co, 6 & Gilman Sts, Berkeley 10, Cal
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Los Angeles Chem Co, 1960 Sante Fe Ave, Los Angeles 21, Cal
Merchants Chem Co, 60 E 42 St, N Y 17
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
H N Richards Co, 1475 Prospect St, Trenton 8, N J
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Thompson, Weinman & Co, 52 Vanderbilt Ave, N Y 17
*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J
*R T Vanderbilt Co, 230 Park Ave, N Y
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

CLAYS, POTTERY-MAKERS

Clay used by mfr. of pottery—can be either the China Clay type or the Ball Clay type inasmuch as both types are used extensively by the pottery mfr. However, the term pottery clay usually applies to the plastic ball clay type.

*American Colloid Co, Merchandise Mart Plaza, Chicago, Ill
Charles B Chrystal Co, 53 Park Pl, N Y 7
*Edgar Bros Co, Metuchen, N J
*English China Clays Sales Corp, 551 5 Ave, N Y 17
*Georgia Kaolin Co, 433 N Broad St, Elizabeth, N J
*Hammill & Gillespie, 225 Broadway, N Y 7
*John W Higman Co, 24 State St, N Y 4
*J M Huber Corp, 100 Park Ave, N Y 17
*Ky Clay Mining Co, Mayfield, Ky
L Reusche & Co, 2-6 Lister Ave, Newark 5, N J
*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J
*R T Vanderbilt Co, 230 Park Ave, N Y
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

CLAYS-KAOLINS

IMPORTED AND DOMESTIC

China Clay	**Albany Slip**
Colloidal Clay	**Ball Clay**
Talc	Whiting
Bentonite	Terra Alba
Chalk	Marble Flour
Soapstone	Lime
Silica	Red Iron Oxide
Plaster Paris	Bath Brick
Pumice	Limestone
Barytes	Fullers Earth
Potato Starch	Gypsum

Hammill & Gillespie, Inc.

225 BROADWAY, NEW YORK 7

EST. 1848

CLAYS, PULVERIZED-AIRFLOATED

The term given to clays (regardless of what type) which have been properly dried (to approx. 2%) then put through an Airfloating Mill. The term "Airfloated" usually applies to the milled clay which, after being extremely finely pulverized is blown by a blast of air upward to the hopper—hence the term "Airfloated" because it is "floated" in the air.

*Aluminum Flake Co, 965 Wooster Rd, Barberton, Ohio
*American Colloid Co, Merchandise Mart Plaza, Chicago, Ill
*Attapulgus Clay Co, 210 W Washington Sq, Phila, Pa
Charles B Chrystal Co, 53 Park Pl, N Y 7
*Dyal Co, 99 Hudson St, N Y 13
*Edgar Bros Co, Metuchen, N J
Wm D Egleston Co, 249 5 St, Cambridge 42, Mass
*English China Clays Sales Corp, 551 5 Ave, N Y 17
*Floridin Co, 200 Liberty St, Warren, Pa
*Georgia Kaolin Co, 433 N Broad St, Elizabeth, N J
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*J M Huber Corp, 100 Park Ave, N Y 17
*Industrial Minerals & Chem Co, 6 & Gilman Sts, Berkeley 10, Cal
*Ky Clay Mining Co, Mayfield, Ky
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
L A Salomon & Bro, 216 Pearl St, N Y 38
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Thompson, Weinman & Co, 52 Vanderbilt Ave, N Y 17
*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J
*R T Vanderbilt Co, 230 Park Ave, N Y
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa

CLAYS, REFRACTORY

Anderson-Stolz Corp, 1731-33 Walnut St, Kansas City, Mo
*Edgar Bros Co, Metuchen, N J
*Georgia Kaolin Co, 433 N Broad St, Elizabeth, N J
*Hammill & Gillespie, 225 Broadway, N Y 7
*Ironton Fire Brick Co, Box 124, Ironton, Ohio
*Johns-Manville, 22 E 40 St, N Y 16
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

CLAYS, RUBBER-MAKERS'

Generally a white grit free domestic china clay, having some very definite functions when introduced in a rubber compound to perform—a good Rubber Clay should lend a certain stiffening to the finished product—it should

*Company classifies itself as manufacturer or producer of this product

CLAYS, RUBBER-MAKERS, continued

have the ability to mix with the crude rubber very readily, and when used should become absolutely "part" of the compound itself. All china clays are NOT necessarily good rubber clays, and about the only true method of determining one clay from another is by actual test, because the majority of china clays are not suitable for rubber due to the fact that they make for soft "flabby" products, rather than stiff, compact products.

Akron Chem Co, 255 Fountain St, Akron, Ohio
*Aluminum Flake Co, 965 Wooster Rd, Barberton, Ohio
American Firstoline Corp, 420 Lexington Ave, N Y
Berlow & Schlosser Co, 401 Industrial Trust Blvd, Providence, R I
R E Carroll, 231 Broad St Bank Bldg, Trenton 1, N J
Charles B Chrystal Co, 53 Park Pl, N Y 7
*Dyal Co, 99 Hudson St, N Y 13
*Edgar Bros Co, Metuchen, N J
Wm D Egleston Co, 249 S St, Cambridge 42, Mass
*Georgia Kaolin Co, 433 N Broad St, Elizabeth, N J
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Standard Chem Co, 60 E Seiberling St, Akron 5, Ohio
Howe & French, Mfg Dept, E Weymouth, Mass
*J M Huber Corp, 100 Park Ave, N Y 17
R B Huber, 216 Tremont St, Boston 16, Mass
Merchants Chem Co, 60 E 42 St, N Y 17
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
H N Richards Co, 1475 Prospect St, Trenton 8, N J
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Thompson, Weinman & Co, 52 Vanderbilt Ave, N Y 17
*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J
*R T Vanderbilt Co, 230 Park Ave, N Y
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
Witco Chem Co, 295 Madison Ave, N Y 17

CLAYS, SAGGER

This type of clay is usually made up of two or more tough plastic clays, one of the clays being rather strong tight burning and of the Ball Clay type, while the other should be rather open burning and refractory. The use of a Sagger Clay is for the making of receptacles in which ceramic products are placed when they are being fired or "cooked"—a Sagger in the pottery occupies the same position as a cooking-pot does in the kitchen.

*Edgar Bros Co, Metuchen, N J
*Georgia Kaolin Co, 433 N Broad St, Elizabeth, N J
*Ky Clay Mining Co, Mayfield, Ky
*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

CLAYS, TEXTILE

An unusually smooth grit free white domestic or imported china clay—having certain suspending properties. However, the most important factor is the amount of silica and grit contained—this is because the clay is used in the mfr. of certain types of cotton cloth and also as an ingredient in delusterizing baths for the rayon goods.

*Aluminum Flake Co, 965 Wooster Rd, Barberton, Ohio
*Edgar Bros Co, Metuchen, N J
*Georgia Kaolin Co, 433 N Broad St, Elizabeth, N J
*Hammill & Gillespie, 225 Broadway, N Y 7
Innis, Speiden & Co, 117 Liberty St, N Y 6
*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

CLAYS, WASHED

The term given China Clay usually, which has been thoroughly mixed with water and subjected to various types of setting so that the impurities and silica are removed.

Charles B Chrystal Co, 53 Park Pl, N Y 7
*Dyal Company, 99 Hudson St, N Y 13
*Edgar Bros Co, Metuchen, N J
*Georgia Kaolin Co, 433 N Broad St, Elizabeth, N J
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*J M Huber Corp, 100 Park Ave, N Y 17
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

CLEANERS

*American Mineral Spirits Co, 155 E 44 St, N Y 17
*An-Fo Mfg Co, 3129 Elmwood Ave, Oakland 1, Cal
*Armstrong Chem Co, 93 Buffalo St, Canandaigua, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Barton Chem Co, 3909-11 S Langley Ave, Chicago 15, Ill
*Bonewitz Chem, P O Box 560, Burlington, Iowa
*Bram Chem Co, 820 65 Ave, Phila 26, Pa
Carrier-Stephens Co, Lansing, Mich
*Chem Specialties Co, 4545 E Washington Blvd, Los Angeles, Cal
Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Cosmetic Mfg Supply Co, 2967 S LaSalle St, Chicago, Ill

CLEANERS, continued

*Cowles Chem Co, 7016 Euclid Ave, Cleveland 3, Ohio
*Crescent Chem Corp, 450 Market St, Perth Amboy, N J
Davies-Young Soap Co, 705 Albany St, Dayton 1, Ohio
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*E F Drew & Co, 15 E 26 St, N Y 10
*Du Bois Co, 1120 W Front St, Cincinnati 3, Ohio
*Fiber Chem Corp, Box 218, Matawan, N J
*Fine Organics, 211 E 19 St, N Y 3
*Flash Chem Co, 160 2 St, Cambridge 42, Mass
*Fuld Bros, 702 S Wolfe St, Baltimore 31, Md
*Herbert Chem Co, Vine St & Murray Rd, Cincinnati 17 Ohio
*Hysan Products Co, 932 W 38 Pl, Chicago 9, Ill
*Industrial Colloids & Chem, 127 W Jackson Ave, Knoxville 11, Tenn
*Klem Chem, 14401 Lanson, Dearborn, Mich
*London Chem Co, 325 W 32 St, Chicago, Ill
*Macco Products Co, 525 W 76 St, Chicago, Ill
*Magnuson Products Corp, 50 Court St, Bklyn 2, N Y
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
McCann Chem Co, 712 W Jefferson St, Louisville, Ky
Merchants Chem Co, 60 E 42 St, N Y 17
*L Carlton Mertz Co, 1638 S Normal Ave, Chicago 16, Ill
M Michel & Co, 90 Broad St, N Y 4
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Midland Color & Chem Co, 15 Greene St, Jersey City 2, N J
*National Aniline Div, 40 Rector St, N Y 6
*Nielco Chem, P O Box 4703, Detroit 19, Mich
*Ninol Labs, 1719 S Clinton St, Chicago 16, Ill
*Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
Plunkett Chem Co, 3500 S Morgan St, Chicago 9, Ill
*Port Huron Detergent Co, 1320 2 St, Port Huron, Mich
*Rumford Chem Works, Rumford, R I
*Solvay Sales Div, 40 Rector St, N Y 6
Solvit Chem Co, Speedway Rd, Madison 5, Wis
*F M Speekman Co, 141 Quint St, San Francisco 24, Cal
Superior Products Co, 148-148A Pearl St, Somerville, Mass
*Synthetic Chem, 335 McLean Blvd, Paterson 4, N J
*Turco Products, P O Box 2649 Terminal Annex, Los Angeles 54, Cal
*U S Sanitary Specialties Corp, 1001 S California Ave, Chicago 12, Ill
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Welch, Holme & Clark Co, 439 West St, N Y 14
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*Wyandotte Chem Corp, J B Ford Div, Wyandotte, Mich
*Zeen Chem Co, 2000 Elm St N W, Cleveland 13, Ohio
*Zophar Mills, 116 26 St, Bklyn 32, N Y

CLEANERS, ALUMINUM

Specially formulated compounds for cleaning dirty, greasy, discolored aluminum tanks, baking equipment, brewery vats, dairy equipment, kitchen utensils, laundry equipment, heavily soiled aluminum industrial parts and machinery, aluminum truck shells, etc. Should leave the surface bright.

*Bell-Ray Chem Corp, 1608 W Clybourn St, Milwaukee 3, Wis
*Biofen Labs, 14 6 St, Bridgeport 7, Conn
*Bonewitz Chem, P O Box 560, Burlington, Iowa
*Crescent Chem Corp, 450 Market St, Perth Amboy, N J
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*Du Bois Co, 1120 W Front St, Cincinnati 3, Ohio
*Enthone Inc, 442 Elm St, New Haven, Conn
*Fidelity Chem Products Corp, 470 Frelinghuysen Ave, Newark, N J
*Fine Organics, 211 E 19 St, N Y 3
*Flash Chem Co, 160 2 St, Cambridge 42, Mass
*Kamen Soap Products Co, 233 Broadway, N Y 7
*Kemiko Mfg Co, 500 Chancellor Ave, Irvington 11, N J
*Klem Chem, 14401 Lanson, Dearborn, Mich
*Magnuson Products Corp, 50 Court St, Bklyn 2, N Y
*National Aniline Div, 40 Rector St, N Y 6
*Nielco Chem, P O Box 4703, Detroit 19, Mich
*Nu-Steel Co, 1714 S Ashland Ave, Chicago 8, Ill
*Oakite Products, 46B Thames St, N Y 6
*Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Puritan Mfg Co, P O Box 564, Waterbury 85, Conn
*Stewart Chem Products Co, Longmont, Col
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
*Zophar Mills, 116 26 St, Bklyn 32, N Y

CLEANERS, BOILER-TUBE

Used to remove and prevent scale and rust in boiler tubes by neutralizing the sol. salts in the feedwater (largely carbonates of calcium and magnesium), precipitating them out of solution in form of colloidal sludge, which may be expelled from the boiler when it is "blown down." Ingredients include sodium silicate, trisodium phosphate, tannins, soda ash, sodium chromate, sodium alginate, starch, glucose, graphite, kerosene, barium compounds, etc.

CLEANERS, BOILER-TUBE, continued

*Bonewitz Chem, P O Box 560, Burlington, Iowa
W B Coleman & Co, 9 & Rising Sun Ave, Phila 40, Pa
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
*E F Drew & Co, 15 E 26 St, N Y 10
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Klem Chem, 14401 Lanson, Dearborn, Mich
*Nielco Chem, P O Box 4703, Detroit 19, Mich
*Nu-Steel Co, 1714 S Ashland Ave, Chicago 8, Ill
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

CLEANERS, BOTTLE

Detergents of varying pH, etc., used to clean bottles where returned for re-use. Care must be taken as to choice of detergent depending upon whether cleaning operation is carried out by hand or in washing machines. See also: Alkali, Bottlers: Scdas, Modified; Cleaners, Dairy.

*An-Fo Mfg Co, 3129 Elmwood Ave, Oakland 1, Cal
*Armstrong Chem Co, 93 Buffalo St, Canandaigua, N Y
*Cabell Chem Co, 101 22 St, Huntington, W Va
John A Chew, 60 E 42 St, N Y 17
Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Cowles Chem Co, 7016 Euclid Ave, Cleveland 3, Ohio
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*Diversey Corp, 1820 Roscoe St, Chicago, Ill
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E F Drew & Co, 15 E 26 St, N Y 10
Mitchell Fels, 274 E Ashmead St, Box 4270, Phila 44, Pa
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Finger Lakes Chem Co, Etna, N Y
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Kamen Soap Products Co, 233 Broadway, N Y 7
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
McCann Chem Co, 712 W Jefferson St, Louisville, Ky
Merchants Chem Co, 60 E 42 St, N Y 17
M Michel & Co, 90 Broad St, N Y 4
*Midland Color & Chem Co, 15 Greene St, Jersey City 2, N J
*National Aniline Div, 40 Rector St, N Y 6
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*Nielco Chem, P O Box 4703, Detroit 19, Mich
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
Rodgers Chem Co, 237 4 Ave, Pittsburgh, Pa
*Solvay Sales Div, 40 Rector St, N Y 6
*Stauffer Chem Co, 420 Lexington Axe, N Y 17
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*Wyandotte Chem Corp, J B Ford Div, Wyandotte, Mich

CLEANERS, DAIRY

Specially compounded substances to clean and disinfect dairies, containers and equipment, etc. Important properties include wetting, emulsifying, dissolving, deflocculating, and germicidal powers.

*Amalgamated Chem Corp, Rorer & Ontario Sts, Phila 34, Pa
*An-Fo Mfg Co, 3129 Elmwood Ave, Oakland 1, Cal
*Armstrong Chem Co, 93 Buffalo St, Canandaigua, N Y
*Bram Chem Co, 820 65 Ave, Phila 26, Pa
*Burns Allen Co, 58 Pearl St, Buffalo, N Y
*Cabell Chem Co, 101 22 St, Huntington, W Va
Chem Supply Co, 302 Railroad St, Neenah, Wis
Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Cowles Chem Co, 7016 Euclid Ave, Cleveland 3, Ohio
*Crescent Chem Corp, 450 Market St, Perth Amboy, N J
*Damon Chem Co, 527 E Cambridge St, Alliance, Ohio
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*Diversey Corp, 1820 Roscoe St, Chicago, Ill
*E F Drew & Co, 15 E 26 St, N Y 10
*Du Bois Co, 1120 W Front St, Cincinnati 3, Ohio
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Finger Lakes Chem Co, Etna, N Y
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Kamen Products Co, 233 Broadway, N Y 7
*Kemiko Mfg Co, 500 Chancellor Ave, Irvington 11, N J
*Magnuson Products Corp, 50 Court St, Bklyn 2, N Y
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
Merchants Chem Co, 60 E 42 St, N Y 17
*L Carlton Mertz Co, 1638 S Normal Ave, Chicago 16, Ill
M Michel & Co, 90 Broad St, N Y 4
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

*Company classifies itself as manufacturer or producer of this product

CLEANERS, DAIRY, continued

*Midland Color & Chem Co, 15 Greene St, Jersey City 2, N J
*Milwaukee Chem Co, 204 N Broadway, Milwaukee, Wis
*National Aniline Div, 40 Rector St, N Y 6
National Oil & Supply Co, 173 Freilinghuysen Ave, Newark 5, N J
*Nielco Chem, P O Box 4703, Detroit 19, Mich
*Oakite Products, 46B Thames St, N Y 6
*Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
Rodgers Chem Co, 237 4 Ave, Pittsburgh, Pa
*Rumford Chem Works, Rumford, R I
*Sharpless Chem, 123 S Broad St, Phila 9, Pa
*Solvay Sales Div, 40 Rector St, N Y 6
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Welch, Holme & Clark Co, 439 West St, N Y 14
*Western Chem & Mfg Co, 3270 E Washington Blvd, Los Angeles 23, Cal
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*Wyandotte Chem Corp, J B Ford Div, Wyandotte, Mich
*Zophar Mills, 116 26 St, Bklyn 32, N Y

SOLVAY CHEMICALS

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Para-dichlorobenzene

CLEANERS, DRAIN PIPE

*Ampion Corp, 4-88 47 Ave, L I C 1, N Y
*Armstrong Chem Co, 93 Buffalo St, Canandaigua, N Y
*Barton Chem Co, 3909-11 S Langley Ave, Chicago 15, Ill
*Bram Chem Co, 820 65 Ave, Phila 26, Pa
John A Chew, 60 E 42 St, N Y 17
*Damon Chem Co, 527 E Cambridge St, Alliance, Ohio
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 4, Ill
*Flash Chem Co, 160 2 St, Cambridge 42, Mass
*Huntington Labs, Huntington, Ind
*Kamen Products Co, 233 Broadway, N Y 7
*Kemiko Mfg Co, 500 Chancellor Ave, Irvington 11, N J
*Klem Chem, 14401 Lanson, Dearborn, Mich
Merchants Chem Co, 60 E 42 St, N Y 17
*Midland Color & Chem Co, 15 Greene St, Jersey City 2, N J
*National Aniline Div, 40 Rector St, N Y 6
Plunkett Chem Co, 3500 S Morgan St, Chicago 9, Ill
*Wasco Engrg Corp, 601 W 26 St, N Y 1
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
*Zeen Chem Co, 2000 Elm St N W, Cleveland 13, Ohio

CLEANERS, DRY

*Afta Solvents Corp, 470 W 128 St, N Y 27
American Firstoline Corp, 420 Lexington Ave, N Y
*American Mineral Spirits Co, 155 E 44 St, N Y 17
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Chem Specialties Co, 4545 E Washington Blvd, Los Angeles, Cal
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
Davies-Young Soap Co, 705 Albany St, Dayton 1, Ohio
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*Dixo Co, 225 River Rd, Garfield, N J
*E F Drew & Co, 15 E 26 St, N Y 10
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Foy Electro-Chem Co, P O Box 164, Ansonia, Conn
*Kleen-Glo Chem Corp, 303 5 Ave, N Y
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
Merchants Chem Co, 60 E 42 St, N Y 17
*Midland Color & Chem Co, 15 Greene St, Jersey City 2, N J
*National Aniline Div, 40 Rector St, N Y 6
*Shell Oil Co, 50 W 50 St, N Y 20
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

CLEANERS, FLOOR

Uses—for mopping cement, wood, linoleum and other floors. Strength, alkalinity, etc., varies, stronger products being required for garage and factory floors, etc., than in home or office buildings.

*Armstrong Cork Co, Liberty & Mary Sts, Lancaster, Pa
*Barton Chem Co, 3909-11 S Langley Ave, Chicago 15, Ill
*Buckingham Wax Co, 51-03 Van Dam St, L I C, N Y
*Cities Service Oil Co, Masonic-Empire Bldg, Bartlesville, Okla
*Collett-Week-Nibecker, Ft of Quimby St, Ossining, N Y
*Columbia Wax Co, 530 Riverdale Dr, Glendale 4, Cal
*Commonwealth Color & Chem Co, 3240 Grace Ave, Bronx 67, N Y
*James Counts Soap Co, 3216-18 Delaware Blvd, St Louis 3, Mo
*Cowles Chem Co, 7016 Euclid Ave, Cleveland 3, Ohio
*Crescent Chem Corp, 450 Market St, Perth Amboy, N J
Davies-Young Soap Co, 705 Albany St, Dayton 1, Ohio
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
*Diversey Corp, 1820 Roscoe St, Chicago, Ill
*E F Drew & Co, 15 E 26 St, N Y 10
*Du Bois Co, 1120 W Front St, Cincinnati 3, Ohio
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Finger Lakes Chem Co, Etna, N Y
*Foster Finishing Products Co, Hope St & Montgomery Ave, Phila, Pa
*Kemiko Mfg Co, 500 Chancellor Ave, Irvington 11, N J

CLEANER, FLOOR, continued

*Kleen-Glo Chem Corp, 303 5 Ave, N Y
*Klem Chem, 14401 Lanson, Dearborn, Mich
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
Merchants Chem Co, 60 E 42 St, N Y 17
M Michel & Co, 90 Broad St, N Y 4
*Midland Color & Chem Co, 15 Greene St, Jersey City 2, N J
*Milwaukee Chem Co, 204 N Broadway, Milwaukee, Wis
*National Aniline Div, 40 Rector St, N Y 6
*Nielco Chem, P O Box 4703, Detroit 19, Mich
*No-Name Products, 1218 W Pierce St, Milwaukee, Wis
*Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
*Peerless Chem Co, 3850 Oakman Blvd, Detroit 4, Mich
*Pennsylvania Detergents Co, 2238 N Philip St, Phila 33, Pa
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
Plunkett Chem Co, 3500 S Morgan St, Chicago 9, Ill
*Rumford Chem Works, Rumford, R I
*Solvay Sales Div, 40 Rector St, N Y 6
*Southern Textile Chem Corp, 1407 Broadway, N Y 18
*Tesco Chem, Box 173, Sta C, Atlanta, Ga
M C Thomas Co, 11 Commerce St, Norwalk, Conn
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*Wyandotte Chem Corp, J B Ford Div, Wyandotte, Mich
*Zophar Mills, 116 26 St, Bklyn 32, N Y

CLEANERS, FRUIT

Uses—to wash off and remove oil and grease acting as a binder for smut, dirt, and various chemicals with which the fruit has been sprayed; also to remove spores, molds, fungi, and other micro-organisms which attack the surface of the fruit; should be nontoxic to humans and should leave the fruit in a thoroughly clean state.

*Ciba Co, 627 Greenwich St, N Y 14
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Du Bois Co, 1120 W Front St, Cincinnati 3, Ohio
Merchants Chem Co, 60 E 42 St, N Y 17
M Michel & Co, 90 Broad St, N Y 4
*National Aniline Div, 40 Rector St, N Y 6
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Solvay Sales Div, 40 Rector St, N Y 6
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
*Wyandotte Chem Corp, J B Ford Div, Wyandotte, Mich

CLEANERS, FUR

*Atlantic Refining Co, 260 S Broad St, Phila, Pa
*Barce Chem Products Co, 701 S LaSalle St, Chicago, Ill
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Composition Materials Co, 23 W 44 St, N Y
Davies-Young Soap Co, 705 Albany St, Dayton 1, Ohio
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Merchants Chem Co, 60 E 42 St, N Y 17
M Michel & Co, 90 Broad St, N Y 4
*Midland Color & Chem Co, 15 Greene St, Jersey City 2, N J
*National Aniline Div, 40 Rector St, N Y 6
*Bernard Siretta Co, 621 Smith St, Bklyn 31, N Y
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

CLEANERS, GLASS

Wide variety of detergents offered for cleaning and polishing glass-ware, windshields, etc. Relatively new are preps. that require no water, are sprayed on and then wiped to give a clear, bright surface.

Alconox Inc, 62 Cornelison Ave, Jersey City 4, N J
*Barce Chem Products Co, 701 S LaSalle St, Chicago, Ill
*Barton Chem Co, 3909-11 S Langley Ave, Chicago 15, Ill

CLEANERS, GLASS, continued

*Central Illinois Labs, 1801 S Washington St, Peoria, Ill
Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Colonial Chem Co, 4014 28 St S W, Seattle, Wash
Davies-Young Soap Co, 705 Albany St, Dayton 1, Ohio
*E F Drew & Co, 15 E 26 St, N Y 10
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Finger Lakes Chem Co, Etna, N Y
Howe & French, Mfg Dept, E Weymouth, Mass
*Kemiko Mfg Co, 500 Chancellor Ave, Irvington 11, N J
Merchants Chem Co, 60 E 42 St, N Y 17
M Michel & Co, 90 Broad St, N Y 4
*Midland Color & Chem Co, 15 Greene St, Jersey City 2, N J
*National Aniline Div, 40 Rector St, N Y 6
*Nielco Chem, P O Box 4703, Detroit 19, Mich
*Peerless Chem Co, 3850 Oakman Blvd, Detroit 4, Mich
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Solvay Sales Div, 40 Rector St, N Y 6
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va

CLEANERS, LEATHER

Preps. used industrially in the shoe factory to remove surface grime. Should not affect color and should leave the leather soft and pliable and without any feeling of harshness. Each type of leather requires different cleaners.

*Afta Solvents Corp, 470 W 128 St, N Y 27
*American Finish & Chem Co, 1012 Broadway, Chelsea 50, Mass
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
Davies-Young Soap Co, 705 Albany St, Dayton 1, Ohio
*E F Drew & Co, 15 E 26 St, N Y 10
*Flash Chem Co, 160 2 St, Cambridge 42, Mass
*Los Angeles Chem Co, 1940 Santa Fe Ave, Los Angeles 21, Cal
Mercants Chem Co, 60 E 42 St, N Y 17
M Michel & Co, 90 Broad St, N Y 4
*Midland Color & Chem Co, 15 Greene St, Jersey City 2, N J
*National Aniline Div, 40 Rector St, N Y 6
*Nielco Chem, P O Box 4703, Detroit 19, Mich
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

CLEANERS, METAL

Detergents for metal surfaces, removing dirt, grime, grease, oil, etc., previous to finishing, electroplating, etc., also products used for cleaning after such operations. Many of the more common detergents are used; in recent years special advances have been made, new products, new technique developed such as electrolytic cleaning in soap baths, eletrolytic acid cleaning, vapor degreasing, use of solvent soaps, orthosilicates, metaphosphates, various new silicates, alkylated naphthalene sulfonic acids, sulfonated fatty alcohols (so-called wetting agents), naphthenic acids, etc.

Alconox Inc, 62 Cornelison Ave, Jersey City 4, N J
*American Chem Paint Co, Ambler, Pa
American Firstoline Corp, 420 Lexington Ave, N Y
*American Mineral Spirits Co, 155 E 44 St, N Y 17
Antara Products Div, 435 Hudson St, N Y 14
*Bell-Ray Chem Corp, 1608 W Clybourn St, Milwaukee 3, Wis
*Biofen Labs, 14 6 St, Bridgeport 7, Conn
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Central Illinois Labs, 1801 S Washington St, Peoria, Ill
Chem Supply Co, 302 Railroad St, Neenah, Wis
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Composition Materials Co, 23 W 44 St, N Y
*Cowles Chem Co, 7016 Euclid Ave, Cleveland 3, Ohio

*Company classifies itself as manufacturer or producer of this product

CLEANERS, METAL, continued

*Crescent Chem Corp, 450 Market St, Perth Amboy, N J
*Curran Corp, S Canal St, Lawrence, Mass
Davies-Young Soap Co, 705 Albany St, Dayton 1, Ohio
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
*Detrex Corp, P O Box 501, Detroit 32, Mich
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Donald Sales & Mfg Co, 6601 W State St, Milwaukee 13, Wis
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*E F Drew & Co, 15 E 26 St, N Y 10
*Du Bois Co, 1120 W Front St, Cincinnati 3, Ohio
*E I Du Pont de Nemours & Co, Electrochem Dept & Grasselli Chem Dept, Wilmington 98, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
*Enthone Inc, 442 Elm St, New Haven, Conn
Mitchell Fels, 274 E Ashmead St, Box 4270, Phila 44, Pa
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Fiber Chem Corp, Box 218, Matawan, N J
*Fidelity Chem Products Corp, 470 Frelinghuysen Ave, Newark, N J
*Finger Lakes Chem Co, Etna, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Haas-Miller Corp, 4 & Bristol Sts, Phila 40, Pa
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
Industrial Chem Products Co, 422 E Beacon St, Dayton 2, Ohio
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*King Chem Co, 31 New Haven Railroad St, Mt Vernon, N Y
*Klem Chem, 14401 Lanson, Dearborn, Mich
Kocour Co, 4800 S St Louis Ave, Chicago, Ill
*London Chem Co, 325 W 32 St, Chicago, Ill
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Magnuson Products Corp, 50 Court St, Bklyn 2, N Y
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
Merchants Chem Co, 60 E 42 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*L Carlton Mertz Co, 1638 S Normal Ave, Chicago 16, Ill
M Michel & Co, 90 Broad St, N Y 4
*National Aniline Div, 40 Rector St, N Y 6
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*Nielco Chem, P O Box 4703, Detroit 19, Mich
*Oakite Products, 46B Thames St, N Y 6
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
*Park Chem Co, 8074 Military Ave, Detroit, Mich
*Parker Rust-Proof Co, 2177 E Milwaukee Ave, Detroit 11, Mich
*Peerless Chem Co, 3850 Oakman Blvd, Detroit 4, Mich
*Penetone Co, 74 Hudson Ave, Tenafly, N J
*Pennsylvania Detergents Co, 2238 N Philip St, Phila 33, Pa
*Pennsylvania Refining Co, 2686 Lisbon Rd, Cleveland, Ohio
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Puritan Mfg Co, P O Box 564, Waterbury 85, Conn
*Rumford Chem Works, Rumford, R I
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
*Stewart Chem Products Co, Longmont, Col
M C Thomas Co, 11 Commerce St, Norwalk, Conn
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
Welch, Holme & Clark Co, 439 West St, N Y 14
*Western Chem & Mfg Co, 3270 E Washington Blvd, Los Angeles 23, Cal
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*Wyandotte Chem Corp, J B Ford Div, Wyandotte, Mich
*Zophar Mills, 116 26 St, Bklyn 32, N Y

CLEANERS, PAINT

American Firstoline Corp, 420 Lexington Ave, N Y
*American Mineral Spirits Co, 155 E 44 St, N Y 17
*Barton Chem Co, 3909-11 S Langley Ave, Chicago 15, Ill
*Central Illinois Labs, 1801 S Washington St, Peoria, Ill
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Colonial Chem Co, 4014 28 St S W, Seattle, Wash
*James Counts Soap Co, 3216-18 Delaware Blvd, St Louis 3, Mo
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
*E F Drew & Co, 15 E 26 St, N Y 10
Fay-Cole & Co, 71 India St, Boston, Mass
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Fidelity Chem Products Corp, 470 Frelinghuysen Ave, Newark, N J
*Flash Chem Co, 160 2 St, Cambridge 42, Mass

CLEANERS, PAINT, continued

*Klem Chem, 14401 Lanson, Dearborn, Mich
Merchants Chem Co, 60 E 42 St, N Y 17
M Michel & Co, 90 Broad St, N Y 4
*Milwaukee Chem Co, 204 N Broadway, Milwaukee, Wis
*National Aniline Div, 40 Rector St, N Y 6
*Nielco Chem, P O Box 4703, Detroit 19, Mich
*No-Name Products, 1218 W Pierce St, Milwaukee, Wis
*Peerless Chem Co, 3850 Oakman Blvd, Detroit 4, Mich
*Royal Soap & Chem Co, 3486 Union Pacific Ave, Los Angeles 23, Cal
*Rumford Chem Works, Rumford, R I
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
*Wyandotte Chem Corp, J B Ford Div, Wyandotte, Mich
*Zophar Mills, 116 26 St, Bklyn 32, N Y

CLEANERS, PAPER FELTS

Washing compounds specially formulated to penetrate felts used in paper mfr. to remove dirt, pitch, metallic soaps, insol. sticky materials, etc.

Antara Products Div, 435 Hudson St, N Y 14
*Berkshire Color & Chem Corp, 42-44 Hampden St, Springfield, Mass
*Ciba Co, 627 Greenwich St, N Y 14
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Cowles Chem Co, 7016 Euclid Ave, Cleveland 3, Ohio
*Du Bois Co, 1120 W Front St, Cincinnati 3, Ohio
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Flash Chem Co, 160 2 St, Cambridge 42, Mass
*Haas-Miller Corp, 4 & Bristol Sts, Phila 40, Pa
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*Magnuson Products Corp, 50 Court St, Bklyn 2, N Y
Merchants Chem Co, 60 E 42 St, N Y 17
*L Carlton Mertz Co, 1638 S Normal Ave, Chicago 16, Ill
*National Aniline Div, 40 Rector St, N Y 6
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Oakite Products, 46B Thames St, N Y 6
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Rumford Chem Works, Rumford, R I
*Synthetic Chem, 335 McLean Blvd, Paterson 4, N J
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

CLEANERS, PHOTOGRAPHIC FILMS

*Afta Solvents Corp, 470 W 128 St, N Y 27
*Chem Development Corp, Endicott St, Danvers, Mass
John A Chew, 60 E 42 St, N Y 17
*E I Du Pont de Nemours & Co, Organic Chem Dept, Kinetic Chem Div, Wilmington 98, Del
*Edwal Labs, Ringwood, Ill
*National Aniline Div, 40 Rector St, N Y 6
Norman-Willets Co, 316 Washington St, Chicago 6, Ill
*Rosco Labs, 367 Hudson Ave, Bklyn 1, N Y

CLEANERS, RUBBER

Products, usually in the liq. or semi-liq. state, used to remove dirt, grime, grease, stains, etc., from rubber floors, tile, etc. Should have no deleterious effect on the rubber; should leave the natural resilience but should not react chemically in such a way that the rubber becomes soft or plastic and easily scuffed.

*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
Davies-Young Soap Co, 705 Albany St, Dayton 1, Ohio
Merchants Chem Co, 60 E 42 St, N Y 17
*National Aniline Div, 40 Rector St, N Y 6

CLEANERS, STEAM

*Crescent Chem Corp, 450 Market St, Perth Amboy, N J
*Du Bois Co, 1120 W Front St, Cincinnati 3, Ohio
*Fabric Chem Co, 61 Cornelison Ave, Jersey City 4, N J
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*King Chem Co, 31 New Haven Railroad St, Mt Vernon, N Y
*Klem Chem, 14401 Lanson, Dearborn, Mich
*Magnuson Products Corp, 50 Court St, Bklyn 2, N Y
Merchants Chem Co, 60 E 42, St, N Y 17
*National Aniline Div, 40 Rector St, N Y 6
*Penetone Co, 74 Hudson Ave, Tenafly, N J
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
*Western Chem & Mfg Co, 3270 E Washington Blvd, Los Angeles 23, Cal

CLEANERS, STONE

Specialized detergents for renovating, bleaching and restoring the natural appearance and beauty of granite, tile, brick, porcelain, and terra cotta.

*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Merchants Chem Co, 60 E 42 St, N Y 17
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y

CLEANING FLUIDS

Various solvents, often with perfumes added, used for complete or partial immersion of garments for removing grease and other stains.

*Afta Solvents Corp, 470 W 128 St, N Y 27
American Firstoline Corp, 420 Lexington Ave, N Y
*American Mineral Spirits Co, 155 E 44 St, N Y 17
*American Writing Ink Co, 15 Hathaway St, Boston 10, Mass
*Barco Chem Products Co, 701 S LaSalle St, Chicago, Ill
John A Chew, 60 E 42 St, N Y 17
*Ciba Co, 627 Greenwich St, N Y 14
*Cosmetic Mfg Supply Co, 2967 S LaSalle St, Chicago, Ill
Davies-Young Soap Co, 705 Albany St, Dayton 1, Ohio
*Detrex Corp, P O Box 501, Detroit 32, Mich
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Wm S Gray & Co, 342 Madison Ave, N Y 17
*Harsyd Chem, Holland, Mich
*Impoil Co, 228 Kearney Ave, Jersey City, N J
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*Kleen-Glo Chem Corp, 303 S Ave, N Y
Merchants Chem Co, 60 E 42 St, N Y 17
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Plunkett Chem Co, 3500 S Morgan St, Chicago 9, Ill
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
*Zeen Chem Co, 2000 Elm St N W, Cleveland 13, Ohio

COAL NAPHTHA see Benzol

COATINGS, ACID-PROOF

Products formulated for use as linings for storage tanks, carboys, etc.; in chemical and chemical process plants as coatings for all steel, tile, or other construction for protection from corrosive fumes; and, in general, to provide a protective surface wherever exposed to the action of the common acids.

*American Anode, 60 Cherry St, Akron 8, Ohio
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*I N Breetwor & Associates, 4005 Wilshire Blvd, Los Angeles, Cal
*Ciba Co, 627 Greenwich St, N Y 14
*Electro Chem Supply & Engrg Co, 750 Broad St, Emmaus, Pa
*Excelsior Varnish Works, 1219 W 74 St, Cleveland 2, Ohio
*B F Goodrich Chem Co, 2060 E 9 St, Cleveland 15, Ohio
*Alfred Hague & Co, 227 34 St, Bklyn, N Y
C P Hall Co, 2510 First National Tower Bldg, Akron Ohio
*Inertol Co, 480 Frelinghuysen Ave, Newark 5, N J
*Maurice A Knight, P O Box 111, Akron 6, Ohio
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Merchants Chem Co, 60 E 42 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Nukem Products Corp, 111 Colgate Ave, Buffalo 20, N Y
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
Ruberoid Co, 500 5 Ave, N Y 18
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Union Bay State Chem Co, 491 Main St, Cambridge 42, Mass
*United Chromium, 100 E 42 St, N Y
*U S Varnish Co, 627 Franklin Ave, Hasbrouck Heights, N J
*Western States Lacquer Co, 4400 E Washington Blvd, Los Angeles, Cal
*Zophar Mills, 116 26 St, Bklyn 32, N Y

COATINGS, ALKALI PROOF

Preps. employed in wide vvariety of applications to supply protection against alkalies and alkaline fumes. Products are formulated from pitches, tars, synth. resins, rubber, etc. Metal coatings are also widely used.

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*I N Breetwor & Associates, 4005 Wilshire Blvd, Los Angeles, Cal
*Ciba Co, 627 Greenwich St, N Y 14
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
Electro Chem Engrg & Mfg Co, 752 Broad St, Emmaus, Pa
*Excelsior Varnish Works, 1219 W 74 St, Cleveland 2, Ohio
*B F Goodrich Chem Co, 2060 E 9 St, Cleveland 15, Ohio
*Alfred Hague & Co, 227 34 St, Bklyn, N Y
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio

*Company classifies itself as manufacturer or producer of this product

COATINGS, ALKALI, PROOF, continued

*Inertol Co, 480 Frelinghuysen Ave, Newark 5, N J
*Maurice A Knight, P O Box 111, Akron 6, Ohio
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Merchants Chem Co, 60 E 42 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Nukem Products Corp, 111 Colgate Ave, Buffalo 20, N Y
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Union Bay State Chem Co, 491 Main St, Cambridge 42, Mass
*United Chromium, 100 E 42 St, N Y
*U S Varnish Co, 627 Franklin Ave, Hasbrouck Heights, N J
*Western States Lacquer Co, 4400 E Washington Blvd, Los Angeles, Cal
*Zophar Mills, 116 26 St, Bklyn 32, N Y

COATINGS, ASPHALT

Pure asphalt in a liq. form, usually reinforced with asbestos fibres for dressing old and leaky roofs.

*American Tar Co, Ft Wallingford Ave, Seattle 3, Wash
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Barrett Div, 40 Rector St, N Y 6
*Berry Asphalt Co, Magnolia, Ark
*Ceresit Waterproofing Corp, 3227 S Shields Ave, Chicago 16, Ill
*Electro Chem Supply & Engrg Co, 750 Broad St, Emmaus, Pa
*Euclid Chem Co, 1534 Hayden Ave, E Cleveland 12, Ohio
*Herbert Chem Co, Vine St & Murray Rd, Cincinnati 17, Ohio
*Inertol Co, 480 Frelinghuysen Ave, Newark 5, N J
*Emil Klemm, 1946 S Main St, Salt Lake City, Utah
Rocky Mtn Supply Co, 2120 Market St, Denver, Col
Ruberoid Co, 500 5 Ave, N Y 18
Spesco Wholesale Hardware Co, 1744 N W 1 Ave, Miami 36, Fla
*Trumbull Asphalt Co of Delaware, 59 & Archer Rd, Summit, Ill
*Western States Lacquer Co, 4400 E Washington Blvd, Los Angeles, Cal
*Witco Chem Co, 295 Madison Ave, N Y 17
*Zophar Mills, 116 26 St, Bklyn 32, N Y

COATINGS, BOILER SETTING

*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill

COATINGS, CABLE

Preps. applied to cable to strengthen against the force of sudden strain; to provide a waterproof and weatherproof protective coating.

American Firstoline Corp, 420 Lexington Ave, N Y
*Atlantic Refining Co, 260 S Broad St, Phila, Pa
*Chem Products Corp, King Philip Rd, East Providence, R I
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
K F Griffiths & Co, 280 Madison Ave, N Y 16
*Interchem Corp, 224 McWhorter St, Newark, N J
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Monsanto Chem Co, Plastics Div, Springfield, Mass
*Zophar Mills, 116 26 St, Bklyn 32, N Y

COATINGS, CANVAS

Special coatings used on canvas, boat covers, awnings, etc., to preserve by preventing mold and by waterproofing; to revivify old materials. Supplied also in the form of paint where color is required.

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
American Firstoline Corp, 420 Lexington Ave, N Y
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*Merchants Chem Co, 60 E 42 St, N Y 17
*Warwick Chem Co Div, Wood River Junction, R I
*Zophar Mills, 116 26 St, Bklyn 32, N Y

COATINGS, CEMENT

Compounds used to decorate and seal the pores of and to waterproof stucco, concrete and cement, and to decorate unsightly stained surfaces. See also Paints, Cement.

*Adhesive Products Corp, 1660 Boone Ave, N Y
*Angier Products, 120 Potter St, Cambridge 42, Mass
*Euclid Chem Co, 1534 Hayden Ave, E Cleveland 12, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Merchants Chem Co, 60 E 42 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Stewart Chem Products Co, Longmont, Col
*Sullivan Co, 212 E Tregg Ave, Memphis, Tenn
*Timeproof Paint Products, 40 Richard St, Bklyn 31, N Y

COATINGS, CONDUCTIVE

*Acheson Colloids Corp, 1635 Washington Ave, Port Huron, Mich

COATINGS, CONDUCTIVE, continued

*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Pierce & Stevens, 710 Ohio St, Buffalo 3, N Y
*R T Vanderbilt Co, 230 Park Ave, N Y

COATINGS, FIREPROOF

*Baltimore Paint & Color Works, 150 S Calverton Rd, Baltimore 23, Md
*Benjamin Foster Co, 4635 W Girard Ave, Phila 31, Pa
*Johns-Manville, 22 E 40 St, N Y 16
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Western States Lacquer Co, 4400 E Washington Blvd, Los Angeles, Cal
*Zophar Mills, 116 26 St, Bklyn 32, N Y

COATINGS, FLEXIBLE (for Rubber, Textiles, Leather, Paper)

Various rubber, pyroxylin or other cellulose compositions, synth. resins, gums, waxes, etc. which give to finished goods surface protection, improved appearance, water, oil, gas, and chemical resistance, resiliency, flexibility, ease of cleaning, longer wear, etc.

*Acme Shellac Products Co, 100 Blanchard St, Newark, N J
*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*American Anode, 60 Cherry St, Akron 8, Ohio
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
*I N Breetwor & Associates, 4005 Wilshire Blvd, Los Angeles, Cal
*Compo Chem Co, 150 Causeway St, Boston 14, Mass
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*Thomas W Dunn Co, 340 Pearl St, N Y 38
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Maas & Waldstein Co, 438 Riverside Ave, Newark, N J
*Merchants Chem Co, 60 E 42 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Naugatuck Chem, Naugatuck, Conn
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
Paul J Pauls, 7-9 Watchung Ave, Plainfield, N J
*Stewart Chem Products Co, Longmont, Col
*R T Vanderbilt Co, 230 Park Ave, N Y

COATINGS, HOT MELT

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*Barrett Div, 40 Rector St, N Y 6
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
*Claremont Pigment Dispersion, 110 Wallabout St, Bklyn 11, N Y
*Fidelity Chem Products Corp, 470 Frelinghuysen Ave, Newark, N J
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*Maas & Waldstein Co, 438 Riverside Ave, Newark, N J
*Naugatuck Chem, Div of U S Rubber Co, Naugatuck, Conn
*Portland Gas & Coke Co, Public Service Bldg, Portland 4, Ore
*Pyroxylin Products, 4851 S St Louis Ave, Chicago 32, Ill
*Tennessee Eastman Co, 10 E 40 St, N Y 16
*Zophar Mills, 116 26 St, Bklyn 32, N Y

COATINGS, LABEL

*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*Merchants Chem Co, 60 E 42 St, N Y 17
*National Casein Sales, 601-619 W 80 St, Chicago 20, Ill
*Pyroxylin Products, 4851 S St Louis Ave, Chicago 32, Ill
*Sherwin-Williams Co, 100 Park Ave, N Y 17

COATINGS, LINOLEUM

Preps. in the liq., paste, or wax form, applied to linoleum to fill the pores, prevent dirt, grime, grease, water, etc., from penetrating the fabric, to preserve and beautify by providing a high polish. See also Lacquers, Linoleum.

*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass

COATINGS, LITHOGRAPHIC PLATE

*H Gartenberg & Co, 412 Pershing Rd, Chicago 9, Ill
*Philip A Hunt Co, Palisades Park, N J
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
Senefelder Co, 32-34 Greene St, N Y 13

COATINGS, OIL-PROOF

Preps. (applied to fabrics, etc.), which possess unusual resistance to the actions of petroleum products such as gasoline, kerosene, lubricating oils, greases, etc.

*American Polymer Corp, 101 Foster St, Peabody, Mass
*Better Finishes & Coatings, 268 Doremus Ave, Newark 5, N J

COATINGS, OIL-PROOF, continued

*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
*Ciba Co, 627 Greenwich St, N Y 14
*Coopers Creek Chem Corp, 98 River Rd, W Conshohocken, Pa
*Thomas W Dunn Co, 340 Pearl St, N Y 38
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Zophar Mills, 116 26 St, Bklyn 32, N Y

COATINGS, PIPE

Asphalt-base paints, chemically and electrically inert, waterproof and water repellent, for protecting underground water lines, culverts, pipes, etc.

*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Barrett Div, 40 Rector St, N Y 6
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
*Johns-Manville, 22 E 40 St, N Y 16
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Merchants Chem Co, 60 E 42 St, N Y 17
*Pittsburgh Coke & Chem Co, Grant Bldg, Pittsburgh, Pa
*Portland Gas & Coke Co, Public Service Bldg, Portland 4, Ore
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
*Sloss-Sheffield Steel & Iron Co, 3131 1 Ave, N Birmingham 2, Ala
*Trumbull Asphalt Co of Delaware, 59 & Archer Rd, Summit, Ill
*Western States Lacquer Co, 4400 E Washington Blvd, Los Angeles, Cal

COATINGS, PLATING RACKS

Preps. applied to plating racks in electroplating to prevent their corrosion, contamination, and the contamination of the solution.

*American Anode, 60 Cherry St, Akron 8, Ohio
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*Enthone Inc, 442 Elm St, New Haven, Conn
*Industrial Lining Engrs, 35 & Smallman Sts, Pittsburgh, Pa
*Maas & Waldstein Co, 438 Riverside Ave, Newark, N J
Frederick B Stevens, 1800 18 St, Detroit, Mich
*United Chromium, 100 E 42 St, N Y
*Western States Lacquer Co, 4400 E Washington Blvd, Los Angeles, Cal

COATINGS, REFRACTORY

*Acheson Colloids Corp, 1635 Washington Ave, Port Huron, Mich
*Armstrong Cork Co, Liberty & Mary Sts, Lancaster, Pa
*E F Drew & Co, 15 E 26 St, N Y 10
*Ironton Fire Brick Co, Box 124, Ironton, Ohio
*Johns-Manville, 22 E 40 St, N Y 16

COATINGS, RUBBER

Special rubber finishes produced either from liq. latex, synth. rubber in the liq. state, or from natural rubber dissolved in suitable, rapidly evaporating solvents.

*Adhesive Products Corp, 1660 Boone Ave, N Y
*American Anode, 60 Cherry St, Akron 8, Ohio
*Angier Products, 120 Potter St, Cambridge 42, Mass
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
Electro Chem Engrg & Mfg Co, 752 Broad St, Emmaus, Pa
*Gen Latex & Chem Corp, 666 Main St, Cambridge, Mass
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Industrial Lining Engrs, 35 & Smallman Sts, Pittsburgh, Pa
*Montgomery Bros, Penrose & Packer Ave, Phila, Pa
*Naugatuck Chem, Naugatuck, Conn
*Polymer Chem Co, 5920 Carthage Ave, Cincinnati 2, Ohio
*Union Bay State Chem Co, 491 Main St, Cambridge 42, Mass

COATINGS, STEEL BARRELS & DRUMS

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*Better Finishes & Coatings, 268 Doremus Ave, Newark 5, N J
*I N Breetwor & Associates, 4005 Wilshire Blvd, Los Angeles, Cal
*Ciba Co, 627 Greenwich St, N Y 14
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*Haeuser Shellac Co, 52 Warren St, Bklyn 2, N Y
*Interchem Corp, 224 McWhorter St, Newark, N J
*Klem Chem, 14401 Lanson, Dearborn, Mich
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa

*Company classifies itself as manufacturer or producer of this product

COATINGS, STEEL BARRELS & DRUMS continued

*Portland Gas & Coke Co, Public Service Bldg, Portland 4, Ore
Petroleum Specialties, 205 E 42 St, N Y 17
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*United Chromium, 100 E 42 St, N Y

COATINGS, TAR

Products with a coal-tar or petroleum-tar base used as roof coatings for rolling mills, foundries, machine shops, warehouses, train and dock sheds, chemical plants, factories and garages, etc.; also for flashings, copings, gutters, spoutings, foundations and sills, boiler masonry, cisterns, tanks, etc. Mfr. in varying consistencies to be brushed or troweled.

*American Tar Co, Ft Wallingford Ave, Seattle 3, Wash
*Barrett Div, 40 Rector St, N Y 6
*Inertol Co, 480 Frelinghuysen Ave, Newark 5, N J
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind

COATINGS, WATERPROOF

Preps. formulated from a wide variety of raw materials and applied to pipes, walls, roofs, exposed surfaces of all types, etc., to help prevent the seepage of water, dampness, etc., and the resulting corrosion.

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
American Firstoline Corp, 420 Lexington Ave, N Y
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*American Tar Co, Ft Wallingford Ave, Seattle 3, Wash
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Barrett Div, 40 Rector St, N Y 6
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
*Ciba Co, 627 Greenwich St, N Y 14
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*Dow Corning Corp, Midland, Mich
*Flexoid Products, 170 Summer St, Boston, Mass
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
Hampden Color & Chem Co, 5 Albany St, Springfield, Mass
*A C Horn Co, 10 St & 44 Ave, L I C 1, N Y
*Inertol Co, 480 Frelinghuysen Ave, Newark 5, N J
*Johns-Manville, 22 E 40 St, N Y 16
*H Kohnstamm & Co, 81 Park Pl, N Y 7
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Linde Air Products Co, 30 E 42 St, N Y 17
*Marblette Corp, 37-21 30 St, L I C 1, N Y
*Merchants Chem Co, 60 E 42 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Montgomery Bros, Penrose & Packer Ave, Phila, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Petroleum Specialties, 205 E 42 St, N Y 17
*Sika Chem Corp, 33-47 Gregory Ave, Passaic, N J
*Toch Bros, 2600 Richmond Terrace, S I, N Y
*Witco Chem Co, 295 Madison Ave, N Y 17
*Zophar Mills, 116 26 St, Bklyn 32, N Y

COATINGS, WRINKLE

*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Barrett Varnish Co, 1532 S 50 Court, Cicero 50, Ill
*Maas & Waldstein Co, 438 Riverside Ave, Newark, N J
*New Wrinkle, 105 W Adams St, Chicago 3, Ill

COBALT (Metal)

Co. Steel-gray, malleable, magnetic metal. Sp. gr. 8.5-8.9. M.P. 1480°C. Sol. acids. Uses—mfr. cobalt salts, inks, paint and artists colors, filaments for electric lamps, liq. dryers; catalyst in hardening oils; chemical catalyst and oxidizing agent; alloys in alloy steels; various metallurgical purposes; boiling linseed oil; coloring potteries, porcelains and glass; electroplating. Grades—tech. containing more or less nickel and iron; pure cobalt "shot" (granules about 98% Co).

American Firstoline Corp, 420 Lexington Ave, N Y
*Delta Chem Works, 23 W 60 St, N Y
Metallurgical Products Co, 35 & Moore Sts, Phila 45, Pa
*Pyrites Co, P O Box 1188, Wilmington 99, Del

COBALT ACETATE (Cobaltous Acetate)

$Co(C_2H_3O_2)_2 + 4H_2O$. M.P. 249.05. Reddish-violet deliq. cryst., acetic odor. Sp. gr. 1.7043 (18.7° C). Sol. water. Uses—mfr. sympathetic inks, paint and varnish driers. Grades—tech.; pure crystalline powd.; C.P.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
Elbert & Co, 2 Broadway, N Y
Faesy & Besthoff, 325 Spring St, N Y 13
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*J Meyer & Sons, 4321 N 4 St, Phila 40, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
*Yarnall Paint Co, Grays Ave W of 54 St, Phila 43, Pa

COBALT BLACK see Cobalt Oxide

COBALT BLUE (Azure Blue, Cobalt Ultramarine, King's Blue, Leyden Blue, Thenard's Blue)

Oxides of Co and Al in varying proportions. Blue to green powd. Uses—pigment in oil and water colors. Grades—tech.

J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Stanley Doggett, 75 Varick St, N Y 13
Filo Color & Chem Corp, 202 E 44 St, N Y
M O Grove & Co, 310 Sacramento St, San Francisco, Cal
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y

COBALT CARBONATE (Cobaltous Corbonate)

$2CoCo_3.3Co(OH)_2$. M.W. 516.75. Violet-red powd. Decomp. on heating. Sol. acids; insol. water. Uses—mfr. cobalt salts, cobaltic oxide, ceramics, pigments. Grades—tech.; C.P.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Beier Co, 150 Nassau St, N Y 38
Faesy & Besthoff, 325 Spring St, N Y 13
M O Grove & Co, 310 Sacramento St, San Francisco, Cal
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Hummel Chem Co, 90 West St, N Y 6
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
*Shepherd Chem Co, 2803 Highland Ave, Cincinnati 12, Ohio
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

COBALT CHLORIDE (Cobaltous Chloride)

a. $CoCl_2$. b. $CoCl_2.6H_2O$. Ruby-red, solid crystalline. Sp. gr. a. 3.356. b. 1.92. M.P. a. Sublimes. b. 86.75°C. Sol. water. Uses—mfr. sympathetic inks, barometers, thermometers, hydrometers, gas masks; electroplating; for cobalt and nickel alloys; ammonia absorbent. Grades—tech.; C.P.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Hummel Chem Co, 90 West St, N Y 6
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

COBALT CHROMATE (Cobaltous Chromate)

Varying composition. Brown powd. Sol. mineral acids and in solution CrO_3. Uses—pigment in ceramics.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
J M Baird Co, 147 Nassau St, N Y

COBALT 2-ETHYLHEXOATE (Cobalt Octoate)

$Co[CH_3(CH_2)_3CH(C_2H_5)CO_2]_2$. M.W. 354.34. Reddish-purple amorp. solid. Uses—drier in paints and varnishes.

*Leffingwell Chem Co, P O Box 191, Whittier, Cal
Mathe Chem Co, 169 Milbank St, Lodi, N J
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Witco Chem Co, 295 Madison Ave, N Y 17

COBALT FLUORIDE (Cobaltous Fluoride)

CoF_2. M.W. 96.94. Pink granular powd. Uses—organic fluorination.

*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6

COBALT HYDRATE (Cobaltous Hydroxide, Cobaltous Hydrate)

$Co(OH)_2$. Rose-red, amorp. powd. Sp. gr. 3.597. Sol. acids, ammonium salt solutions. Uses—mfr. cobalt salts, paint and varnish driers. Grades—tech.

Faesy & Besthoff, 325 Spring St, N Y 13
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Pyrites Co, P O Box 1188, Wilmington 99, Del
Republic Chem Corp, 94 Beekman St, N Y 38
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill

COBALT LINOLEATE (Cobaltous Linoleate)

$Co(C_{18}H_{31}O_2)_2$. Brown, amorp. powd. Sol. alcohol, ether, oils. Uses—paint and varnish drier. Grades—liq.; solid; paste.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
J M Baird Co, 147 Nassau St, N Y
Beier Co, 150 Nassau St, N Y 38
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*City Chem Corp, 132 W 22 St, N Y 11
*J Meyer & Sons, 4321 N 4 St, Phila 40, Pa
*New Wrinkle, 105 W Adams St, Chicago 3, Ill
*Shepherd Chem Co, 2803 Highland Ave, Cincinnati 12, Ohio
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill

COBALT NAPHTHENATE

Uses—as a drier in paints, varnishes.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
J M Baird Co, 147 Nassau St, N Y
*Gen Petroleum Corp, 612 S Flower St, Los Angeles 17, Cal
*Harshaw Chem Co, 1945 E 97 St, Cleveland, Ohio
R B Huber, 216 Tremont St, Boston 16, Mass
Mathe Chem Co, 169 Milbank St, Lodi, N J
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Oronite Chem Co, 38 Sansome St, San Francisco, Cal
Chas Page & Co, 50 E 42 St, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Shepherd Chem Co, 2803 Highland Ave, Cincinnati, 12, Ohio
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Witco Chem Co, 295 Madison Ave, N Y 17

COBALT
NAPHTHENATES
OCTOATES
LINOLEATES
/ RESINATES
Fred'k A. Stresen-Reuter, Inc.
TELEPHONES HUMBOLDT 6-1552 - 1553
2113 MEDILL AVENUE • CHICAGO 47, ILLINOIS

*Company classifies itself as manufacturer or producer of this product

COBALT NITRATE (Cobaltous Nitrate)

$Co(NO_3)_2.6H_2O$. Red, deliq. cryst. Sp. gr. 1.87. M.P. 56°C. Sol. water, acids, alcohol. Uses—mfr. sympathetic inks; as cobalt pigments; decorating porcelain and stoneware. Grades—pure; C.P.; tech.

J M Baird Co, 147 Nassau St, N Y
°J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7 Mo

COBALT OLEATE (Cobaltous Oleate)

$Co(C_{18}H_{32}O_2)_2$. Brown, amorp. powd. Sol. oils, ether, alcohol; insol. water. Uses—varnish drier. Grades—tech.

J M Baird Co, 147 Nassau St, N Y

COBALT OXIDE (Cobalt Black, Cobalt Peroxide, Cobalt Sesquioxide, Cobaltous Oxide)

Co_3O_4. M.W. 165.88. Blue or black amorp powd. Sp. gr. 5.18. M.P. decomp. at 895°C. Sol. acids, ammonia. Uses—pigment in paints, varnishes, etc.; coloring enamels, glazing pottery; painting on glass and porcelains. Grades—tech.

American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Chem Mfg Co, 21 West St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Elbert & Co, 2 Broadway, N Y
M D Grove & Co, 310 Sacramento St, San Francisco, Cal
Hummel Chem Co, 90 West St, N Y 6
Legion Chem, 70 Wall St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Philipp Bros Chem, 37 Wall St, N Y
*Pyrites Co, P O Box 1188, Wilmington 99, Del
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

COBALT PEROXIDE see Cobalt Oxide

COBALT PHOSPHATE

$Co_3(PO_4)_2.2H_2O$. Pink powd. Uses—mfr. cobalt pigments; coloring glass, painting on porcelain.

J M Baird Co, 147 Nassau St, N Y
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn

COBALT POWDER

Co 98% plus. M.P. -1.467°C, B.P. -3.185°C for the pure material. Sol. —dilute hydrochloric, sulfuric acids; readily in nitric acid. Available in 150 and finer mesh powd. Cont.—casks; bags. Uses—ceramics, lamp filaments; catalyst in hydrogenation of oils; inks; paints; varnishes; colored signs.

Hummel Chem Co, 90 West St, N Y 6

COBALT RESINATE (Cobaltous Resinate)

$Co(C_{44}H_{62}O_4)_2$. Brown, amorp. powd. Insol. water. Uses—drier in paints and varnishes; oil boiling. Grades—fused; tech.; pure; precipitated.

American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
*J Meyer & Sons, 4321 N 4 St, Phila 40, Pa
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill

COBALT SESQUIOXIDE see Cobalt Oxide

COBALT STEARATE

J M Baird Co, 147 Nassau St, N Y
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*Mathe Chem Co, 169 Milbank St, Lodi, N J
Prior Chem Corp, 420 Lexington Ave, N Y 17
*Warwick Chem Co Div, Wood River Junction, R I
*Witco Chem Co, 295 Madison Ave, N Y 17

COBALT SULFATE (Cobaltous Sulfate, Rose Vitriol, Bieberite)

a. $CoSO_4$. b. $CoSO_4 + 7H_2O$. Red, solid, amorp. and crystalline. Sp. gr. a. 3.17. b. 1.948. M.P. a. 989° C. b. 96.8°C. B.P. b. 420°C. Sol. water. Uses—mfr. cobalt salts; decorating ceramic ware; drier for paints and varnishes; cobalt plating, steel, iron, etc., galvanically. Grades—tech., cryst.; C.P.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y

COBALT SULFATE, continued

E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Faesy & Besthoff, 325 Spring St, N Y 13
Florida Agricultural Supply Co, 1611 Talleyrand Ave, Jacksonville, Fla
Goiwynne Chem Corp, 420 Lexington Ave, N Y 17
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Hummel Chem Co, 90 West St, N Y 6
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
*Millmaster-Chem Corp, 420 Lexington Ave, N Y 17
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
Philipp Bros Chem, 37 Wall St, N Y
*Pyrites Co, P O Box 1188, Wilmington 99, Del
Republic Chem Corp, 94 Beekman St, N Y 38
*Shepherd Chem Co, 2803 Highland Ave, Cincinnati 12, Ohio
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

COBALT TALLATE

Cobalt salt of tall oil (a mixture of acids derived from pine tree). Varying composition. Uses—drier in paints and varnishes.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
J M Baird Co, 147 Nassau St, N Y
*New Wrinkle, 105 W Adams St, Chicago 3, Ill
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Shepherd Chem Co, 2803 Highland Ave, Cincinnati 12, Ohio
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Witco Chem Co, 295 Madison Ave, N Y 17

COBALT TUNGSTATE (Cobaltous Tungstate, Cobalt Wolframate)

$CoWO_4$. Reddish-orange, amorp. powd. Insol. water. Uses—pigment. Grades—tech.

J M Baird Co, 147 Nassau St, N Y

COBALT ULTRAMARINE see Cobalt Blue

COBALT WOLFRAMATE see Cobalt Tungstate

CABALTOUS ACETATE see Cobalt Acetate

COBALTOUS CARBONATE see Cobalt Carbonate

COBALTOUS CHLORIDE see Cobalt Chloride

COBALTOUS CHROMATE see Cobalt Chromate

COBALTOUS FLUORIDE see Cobalt Fluoride

COBALTOUS HYDRATE see Cobalt Hydrate

COBALTOUS HYDROXIDE see Cobalt Hydrate

COBALTOUS LINOLEATE see Cobalt Linoleate

COBALTOUS NITRATE see Cobalt Nitrate

COBALTOUS OLEATE see Cobalt Oleate

COBALTOUS OXIDE see Cobalt Oxide

COBALTOUS RESINATE see Cobalt Resinate

COBALTOUS SULFATE see Cobalt Sulfate

COBALTOUS TUNGSTATE see Cobalt Tungstate

COCHINEAL

Dried bodies of female insects of Coccus cacti. Coloring basis, ceramics; lamp filaments; catalyst in hydrogenation of oils; inks; alcohols; very sl. sol. ether. Uses—coloring foods, beverages, pharmaceuticals, cosmetics; mfr. colored inks, artists' colors, lakes, carmine, chemical products; laboratory reagent; in medicine. Grades—U.S.P.; tech. (Coccus cacti); black, gray; silver; whole, powdered.

J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Stanley Doggett, 75 Varick St, N Y 13

COCHINEAL, continued

Gen Color Co, 24 Ave B, Newark 5, N J
*H Kohnstamm & Co, 83 Park Pl, N Y 7
Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*Meer Corp, 318 W 46 St, N Y 19
*S B Penick & Co, 50 Church St, N Y 7

COCONUT CAKE see Copra Cake and Meal

COCO-NUT BUTTER see Oil, Cocoanut

CODEINE SULFATE

$(C_{18}H_{21}NO_3)_2H_2SO_45H_2O$. M.W. 786.69. White cryst. or powd. Uses—medicinal.

J M Baird Co, 147 Nassau St, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

CODOIL see Oil, Rosin

COLCHICINE SALICYLATED

$C_{22}H_{25}NO_6 + C_7H_6O_3$. M.W. 537.4 yellow powd. Uses—medicinal.

*Bios Labs, 17 W 60 St, N Y 23
*Gane & Ingram, 43 W 16 St, N Y 11
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*S B Penick & Co, 50 Church St, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

COLLIDINE

$C_8H_{11}N$. M.W. 121.8. Liq. B.P. a-177°C. b-195°C. c-171°C. Sol. ether, alcohol, benzene; insol. to sl. sol. water.

*Barrett Div, 40 Rector St, N Y 6

2,4,6,-COLLIDINE (2,4,6,-Trimethyl Pyridine)

$(CH_3)_3C_5H_2N$. M.W. 121.18. Liq. B.P. 171-172. Sl. sol. hot water; very sol. alcohol.

*Barrett Div, 40 Rector St, N Y 6
*Bios Labs, 17 W 60 St, N Y 23
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Matheson Co, Paragon Div, E Rutherford, N J
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind

COLLODION (Pyroxylin)

Solution of tetranitrocellulose in ether, alcohol or other solvent. Pale yellow liq. Uses—mfr. photographic films, artificial pearls, patent leather, artificial leather, adhesives, toy balloons; vehicle for pharmaceuticals, corn removers, process engraving, printing reproductions; in medicine. Grades—U.S.P. 1890; U.S.P. flexible; U.S.P. cantharidal; tech.

J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*Philip A Hunt Co, Palisades Park, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

COLLOXYLIN see Pyroxylin Solutions

COLOGNE SPIRITS see Alcohol, Ethyl

COLONIAL SPIRITS see Methanol

COLOPHONY see Rosin, Gum

COLOR LAKES

Pigment consisting of an organic sol. coloring matter combined with an inorganic base or carrier and characterized by a bright color. There are three classes of color lakes: 1. Composed of hydrate of aluminum dyed with solution of natural organic color; 2. The more extensively used type made by precipitating from solution various coal-tar colors by means of a metallic salt, tannin, or other suitable reagent, upon a base or carrier either previously prepared or coincidently formed; 3. A number of lakes combining both types in varying degree.

*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, S I, N Y
J M Baird Co, 147 Nassau St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
*Calco Chem Div, Bound Brook, N J
*Chicago Ink & Research Co, 300 W Northwest HW, Mt Prospect, Ill
*E I Du Pont de Nemours & Co, 111 Sutter St, San Francisco, Cal
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del

*Company classifies itself as manufacturer or producer of this product

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PIGMENTS

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Hastings-on-Hudson, N. Y.

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COLOR LAKES, continued

*Federal Color Labs, 4633 Forest Ave, Norwood 12, Ohio
*Filo Color & Chem Corp, 202 E 44 St, N Y
Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*Imperial Paper & Color Corp, Box 231, Glens Falls, N Y
*Ky Color & Chem Co, 600 N 34 St, Louisville 12, Ky
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Magruder Color Co, 2385 Richmond Terrace, S I 2, N Y
*Marx Max Color & Chem Co, 192 Coit St, Irvington, N J
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Siemon Colors, 318 Ogden St, Newark 4, N J
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Standard Ultramarine Co, 5 Ave & 24 St, Huntington, W Va
Thomasset Colors, 338 Wilson Ave, Newark 5, N J
Wiswell & Co, 77 Hillcrest Rd, Belmont, Mass

COLOR LAKES, COSMETIC

Consists generally of suitable aniline colors precipitated on aluminum hydroxide, blanc fixe or other harmless substrata. These color lakes must naturally be extraordinarily free from such heavy metals as lead, arsenic, mercury, etc. Their tinctorial power is high. In lipstick and rouge they are employed almost exclusively. In face powd. for toning—, largely in eyeshadows—somewhat in creams but not often in liq. and lotions due to their tendency to bleed (run).

*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, S I, N Y
Barclay Chem Co, 75 Varick St, N Y
*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
*Calco Chem Div, Bound Brook, N J
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
Interstate Color Co, 389 Washington St, N Y 13
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Thomasset Colors, 338 Wilson Ave, Newark 5, N J

COLORS, AIR-BRUSH

Wide variety of colors formulated for industrial use in connection with automatic application to automobiles, furniture, artificial leather, etc.

*Craftint Mfg Co, E 52 St at Collamer Ave, Cleveland 10, Ohio

COLORS, ALIZARINE

*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank S I, N Y
*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
*Calco Chem Div, Bound Brook, N J
*Ciba Co, 627 Greenwich St, N Y 14
*E I Du Pont de Nemours & Co, 111 Sutter St, San Francisco, Cal
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
*Geigy Co, 89 Barclay St, N Y 8
Gen Dyestuff Corp, 435 Hudson St, N Y 14
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*L & R Organic Products Co, 50 White St, N Y 13
*Marx Max Color & Chem Co, 192 Coit St, Irvington, N J
*Patent Chem, 335 McLean Ave, Paterson 4, N J
*Reichhold Chem Inc, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17

COLORS, ARTISTS'

Specially finely ground or divided pigments used by artists for tinting purposes: either oil or water sol.

*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, S I, N Y
*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Chicago Ink & Research Co, 300 W Northwest HW, Mt Prospect, Ill
*Craftint Mfg Co, E 52 St, at Collamer Ave, Cleveland 10, Ohio
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
*Gen Color Co, 24 Ave B, Newark 5, N J
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Thomasset Colors, 338 Wilson Ave, Newark 5, N J

COLORS, CADMIUM see Cadmium Colors

COLORS, CARBON PAPER

Dyes sol. and insol. in wax, prepared especially for coloring the wax which coats the special type of tough thin paper.

*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank S I, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
*Calco Chem Div, Bound Brook, N J
*Claremont Pigment Dispersion, 110 Wallabout St, Bklyn 11, N Y

*Company classifies itself as manufacturer or producer of this product

COLORS, CARBON PAPER, continued

*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
*Filo Color & Chem Corp, 202 E 44 St, N Y
Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*L & R Organic Products Co, 50 White St, N Y 13
*Magruder Color Co, 2385 Richmond Terrace, S I 2, N Y
*Marx Max Color & Chem Co, 192 Coit St, Irvington, N J
Edward Mendell Co, 24 W 45 St, N Y 19
*Reichhold Chem Inc, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Smith Chemf & Color Co, 55 John St, Bklyn 1, N Y

COLORS, CERAMIC

Ceramic chemicals, mineral and pigmented oxides, overglaze and underglaze fluxed colors, may all be classed as ceramic colors. They are used for body and decorative works on glass, china and pottery.

American Firstoline Corp, 420 Lexington Ave, N Y
Beier Co, 150 Nassau St, N Y 38
Braun Knecht Heimann Co, 1400 16 St, San Francisco, Cal
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
*Calco Chem Div, Bound Brook, N J
Stanley Doggett, 75 Varick St, N Y 13
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Elbert & Co, 2 Broadway, N Y
*Filo Color & Chem Corp, 202 E 44 St, N Y
*Gen Color Co, 24 Ave B, Newark 5, N J
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Mason Color & Chem Works, 206 Broadway, E Liverpool, Ohio
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
L Reusche & Co, 2-6 Lister Ave, Newark 5, N J
*Shepherd Chem Co, 2803 Highland Ave, Cincinnati 12, Ohio
Vitro Mfg Co, 60 Greenway Dr & Corliss Sta, Pittsburgh, Pa

COLORS, CERTIFIED

Group of coal-tar colors which have been certified by the Food and Drug Administration for use in coloring food, drugs and cosmetics. Shipments are sealed to prevent contamination and adulteration.

*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, S I, N Y
*Calco Chem Div, Bound Brook, N J
Compagnie Parento, 68 Brook St, Croton-On-Hudson, N Y
Dodge & Olcott, 180 Varick St, N Y 14
*Filo Color & Chem Corp, 202 E 44 St, N Y
*Fries & Fries, 142 S Long Beach Rd, Rockville Centre, N Y
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
Interstate Color Co, 389 Washington St, N Y 13
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*V & E Kohnstamm, 329 Canal St, N Y 13
E M Laning Co, 433 Stuyvesant Ave, Irvington 11, N J
James B Long & Co, 4642 N Ravenswood Ave, Chicago 40, Ill
McKesson & Robbins, 155 E 44 St, N Y 17
R F Revson Co, 243 W 17 St, N Y 11
*Thomasset Colors, 338 Wilson Ave, Newark 5, N J
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
O J Weeks Co, 16 Hudson St, N Y 13
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

COLORS, COSMETIC

Color suitable by reason of purity, non toxicity and coloring properties for cosmetics. Hence they may be mineral such as ferric oxide, ochres (and synth. ochres); vegetable such as chlorophyll, anatto, etc.; animal such as cochineal (carmine); organic such as suitable aniline colors; or organic color lakes (aniline colors precipitated on inorganic bases).

*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, S I, N Y
J M Baird Co, 147 Nassau St, N Y
*Calco Chem Div, Bound Brook, N J
Compagnie Parento, 68 Brook St, Croton-On-Hudson, N Y
Dodge & Olcott, 180 Varick St, N Y 14
*Filo Color & Chem Corp, 202 E 44 St, N Y
*Gen Color Co, 24 Ave B, Newark 5, N J
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
Interstate Color Co, 389 Washington St, N Y 13
*H Kohnstamm & Co, 83 Park Pl, N Y 7
E M Laning Co, 433 Stuyvesant Ave, Irvington 11, N J
Magnus, Mabee & Reynard, 16 Debrosses St, N Y 13
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
*Thomasset Colors, 338 Wilson Ave, Newark 5, N J
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

Ceramic Colors

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A complete line of colors, minerals, opacifiers, and chemicals for pottery, glass, enamel, brick, tile, and terra cotta.

THE HARSHAW CHEMICAL CO.
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White, Red & Green Seal
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*Company classifies itself as manufacturer or producer of this product

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And other principal cities

COLORS, DRY

Conc. pigments suitable for grinding and used in paints, varnishes, enamels, lacquers, etc., also in textiles, leather, paper, plastics, rubber, etc., as the tinting medium. Representative colors include Carbon black, drop black, lamp black, sienna, burnt and raw, umbers, burnt and raw, Vandyke Brown, Venetian Red, Indian Red, Tuscan Red, Vermilion, ultramarine blue, cobalt blue, Prussian blue, chrome yellow, ochres, chrome green, etc.

American Firstoline Corp, 420 Lexington Ave, N Y
*Anderson Trading Corp, 66 Beaver St, N Y 44
*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, S I, N Y
J M Baird Co, 147 Nassau St, N Y
*E Berghausen Chem Co, 4538 W Mitchell Ave, Cincinnati 32, Ohio
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
*Calco Chem Div, Bound Brook, N J
Chem Service Corp, 82 Beaver St, N Y 5
Chemicolor Trade Corp, 24 Stone St, N Y 4
*Chicago Ink & Research Co, 300 W Northwest HW, Mt Prospect, Ill
Charles B Chrystal Co, 53 Park Pl, N Y 7
*Clinton Metallic Paint Co, Clinton, N Y
Cole Labs, 42-25 9 St, L I C 1, N Y
Stanley Doggett, 75 Varick St, N Y 13
Downer, Hunnewell & Co, 131 State St, Boston 9, Mass
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
Eastern Color & Chem Co, 145 Nassau St, N Y 7
Elbert & Co, 2 Broadway, N Y
Euclid Chem Co, 1534 Hayden Ave, E Cleveland 12, Ohio
*Federal Color Labs, 4633 Forest Ave, Norwood 12, Ohio
*Filo Color & Chem Corp, 202 E 44 St, N Y
James H Furnam Co, 59 E Van Buren St, Chicago 5, Ill
*Gen Color Co, 24 Ave B, Newark 5, N J
K F Griffiths & Co, 280 Madison Ave, N Y 16
Henry L Grund, 406 Bulkley Bldg, Cleveland, Ohio
Hammill & Gillespie, 225 Broadway, N Y 7
*Harmon Color Works, P O Box 14, Hawthorne, N J
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio

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CADMIUM RED TONERS
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Times Star Bldg., Cincinnati, Ohio

Cable Address: "Utility" Newark, N. J.
Est. 1917

*Company classifies itself as manufacturer or producer of this product

COLORS, DRY, continued

*J H Hinz Co, 405 Rockefeller Bldg, Cleveland 13, Ohio
*Imperial Paper & Color Corp, Box 231, Glens Falls, N Y
Jensen & McClelland, 510 N Dearborn St, Chicago 10, Ill
*Ky Color & Chem Co, 600 N 34 St, Louisville 12, Ky
*H Kohnstamm & Co, 83 Park Pl, N Y 7
L J & M La Place, Leliarts Lane, E Patterson, N J
Lewis Chem Co, 400 Northampton St, Boston 18, Mass
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Magruder Color Co, 2385 Richmond Terrace, S I 2, N Y
Martin, Hoyt & Milne, 615-625 Merchants Exchange Bldg, San Francisco 4, Cal
*Marx Max Color & Chem Co, 192 Coit St, Irvington, N J
*Mineral Pigments Corp, Muirkirk, Md
C J Osborn Co, 132 Nassau St, N Y
Palmer Supplies Co, 8905 Lake Ave, Cleveland 2, Ohio
Paul J Pauls, 7-9 Watchung Ave, Plainfield, N J
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
*Reichard-Coulston, 15 E 26 St, N Y 10
*Reichhold Chem Inc, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Siemon Colors, 318 Ogden St, Newark 4, N J
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Specso Wholesale Hardware Co, 1744 N W 1 Ave, Miami 36, Fla
*Standard Ultramarine Co, 5 Ave & 24 St, Huntington, W Va
J W Stark Co, 804 New Center Bldg, Detroit 2, Mich
Wm B Tabler Co, 1612 Heyburn Bldg, Louisville 2, Ky
*Thomasset Colors, 338 Wilson Ave, Newark 5, N J
*Utility Color Co, 377-399 Frelinghuysen Ave, Newark, N J
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*C K Williams & Co, 640 N 13 St, Easton, Pa
*Murray Williams Color & Chem Co, 353 Boyden Ave, Maplewood, N J
Witco Chem Co, 295 Madison Ave, N Y 17
E E Zimmerman Co, 1704 Kennan Bldg, Pittsburgh 22, Pa
*Zinsser & Co, Railroad Ave, Hastings-On-Hudson, N Y

COLORS, EARTH

Natural pigments suitable for grinding in oils for paint mfr.—iron oxide is found widely distributed, usually in combination with alumina, silica, calcium, magnesium, manganese, and water. These ores usually have a brown, reddish-brown, red, yellow, or black hue. The brightest natural red iron hematite is found near the

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ORANGES
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MAROONS

Extremely high opacity reds—permitting reduced pigment-to-medium ratios. Resistant to both acids and alkalis—non-bleeding, non-migrating.

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BROOKLYN COLOR WORKS INC.,

MORGAN & NORMAN AVES., BROOKLYN 22, N.Y.

COLORS, EARTH, continued

southern shores of the Caspian Sea and the refined pigment made from this ore is known as Persian Gulf Oxide. Deposits of iron manganese ores, having a rich brownish-green hue, were discovered on the Island of Cyprus and the refined product is marketed under the name of Turkey Umbers. Siennas are named after the Italian town of Sienna near where large quantities of bright yellow iron oxide are found. The finished products are marketed as raw and burnt grades. Veins of hydrated iron oxides are the raw material for ochres. Others in the group are the metallic browns and the iron magnetites (black oxides of iron). Iron oxide colors are also the siennas or umbers, either raw or burnt. Precipitated yellow oxides compete intensely with French, Indian, and African ochres. Calcined and precipitated iron oxides compete with the natural red hematites, such as Persian Gulf and Spanish oxides. Earth colors are employed in paints, leather finishes, in latex rubber, etc. See Siennas, Ochres, Umbers, Iron Oxide, Red: Iron Oxide, Yellow.

American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
R E Carroll, 231 Broad St Bank Bldg, Trenton 1, N J
Charles B Chrystal Co, 53 Park Pl, N Y 7
Stanley Doggett, 75 Varick St, N Y 13
*Filo Color & Chem Corp, 202 E 44 St, N Y
Henry L Grund, 406 Bulkley Bldg, Cleveland, Ohio
Hammill & Gillespie, 225 Broadway, N Y 7
*J H Hinz Co, 405 Rockefeller Bldg, Cleveland 13, Ohio
Interstate Color Co, 389 Washington St, N Y 13
Jensen & McClelland, 510 N Dearborn St, Chicago 10, Ill
L J & M La Place, Leliarts Lane, E Paterson, N J
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Wm E Maher, P O Box 28, Astoria Sta 2, L I C, N Y
*Mineral Pigments Corp, Muirkirk, Md
C J Osborn Co, 132 Nassau St, N Y
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
*Reichard-Coulston, 15 E 26 St, N Y 10
*J Lee Smith & Co, 25 Ann St, N Y 38
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*C K Williams & Co, 640 N 13 St, Easton, Pa
*Murray Williams Color & Chem Co, 353 Boyden Ave, Maplewood, N J
Witco Chem Co, 295 Madison Ave, N Y 17

COLORS, FOOD

Special colors, derived synthetically or from natural raw materials or used to impart color in butter, oleo, candy, ice cream, confectionery, soft drinks, various foods, etc. Usually supplied in two types, water sol. and oil sol. U. S. Dept. of Agriculture's Food and Drug Ad-

CARMINE

NO. 40 N.F.

(cochineal)

non-aniline
vegetable
pure food color

Meets all known government regulations for pure food colors; made from best grade cochineal. Available in lump or powder form.

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NEWARK 5, NEW JERSEY

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COLORS, FOOD, continued

ministration require for use as food dyes only those duly certified as to purity and harmlessness to human beings. See also Colors, Butter and Cheese

J M Baird Co, 147 Nassau St, N Y
*Bates Chem Co, Scottdale Rd, Lansdowne, Pa
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Calco Chem Div, Bound Brook, N J
Dodge & Olcott, 180 Varick St, N Y 14
Stanley Doggett, 75 Varick St, N Y 13
*Filo Color & Chem Corp, 202 E 44 St, N Y
*Fries & Fries, 142 S Long Beach Rd, Rockville Centre, N Y
*Gen Color Co, 25 Ave B, Newark 5, N J
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
Interstate Color Co, 389 Washington St, N Y 13
*H Kohnstamm & Co, 83 Park Pl, N Y 7
Lack Chem Co, 19 Park Pl, N Y 7
*James B Long & Co, 4642 N Ravenswood Ave, Chicago 40, Ill
McKesson & Robbins, 155 E 44 St, N Y 17
*Shields Buying Service, 15 Moore St, N Y 4
*William J Stange Co, 342 N Western Ave, Chicago 12, Ill
*Sterwin Chem, 1450 Broadway, N Y 18
*Thomasset Colors, 338 Wilson Ave, Newark 5, N J
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

COLORS, GLASS

Liq. often containing resinates or similar organic compounds of various metals, the oxides of which form colors or pigments used for decorating pottery glass, tile, terracotta or similar ceramic surfaces. Another type of colors is that which consists of finely ground mixtures of pigments and low-melting glasses. This type is usually "fired" so that the color is directly incorporated into the finished article and is not simply a finish coat.

American Firstoline Corp, 420 Lexington Ave, N Y
*Calco Chem Div, Bound Brook, N J
*Claremont Pigment Dispersion, 110 Wallabout St, Bklyn 11, N Y
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Filo Color & Chem Corp, 202 E 44 St, N Y
*Gen Color Co, 24 Ave B, Newark 5, N J
L Reusche & Co, 2-6 Lister Ave, Newark 5, N J

COLORS, INK

Dyes and pigments employed as the tinting agent. A limited number of water sol. dyes are used to make writing inks which contain water as the liq. medium. Other dyes, sol. in glycerine, are used in stamping, copying, and hectograph inks. Still others, sol. in such organic solvents as alcohols, ketones, hydrocarbons, esters, acids, and aldehydes, are used to make aniline and intaglio printing inks. Very definite limitations are imposed on the choice of ink colors, such as pigment particle size, brilliancy, intensity, resistance to light, oil absorption, tinting strength bleeding, resistance, to the chemical action of the products they may come in intimate contact with, such as adhesive pastes, vinegar, wet soaps, waxed wrappers, alcohol, lard, ammonia, etc.

*Anshacher-Siegle Corp, 92 Chestnut St, Rosebank S I, N Y
Binney & Smith Co, 41 E 42 St, N Y 17
Fred L Brooke Co, 3340 N Halsted St, Chicago Ill
*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
*Calco Chem Div, Bound Brook, N J
*Claremont Pigment Dispersion, 110 Wallabout St, Bklyn 11, N Y
*Craftint Mfg Co, E 52 St at Collamer Ave, Cleveland 10, Ohio
*E I Du Pont de Nemours & Co, 111 Sutter St, San Francisco, Cal
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
*Federal Color Labs, 4633 Forest Ave, Norwood 12, Ohio
*Filo Color & Chem Corp, 202 E 44 St, N Y
*Gen Color Co, 24 Ave B, Newark 5, N J
*Gen Dyestuff Corp, 435 Hudson St, N Y 14
Harmon Color Works, P O Box 14, Hawthorne, N J
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*Ky Color & Chem Co, 600 N 34 St, Louisville 12, Ky
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*L & R Organic Products Co, 50 White St, N Y 13
*Magruder Color Co, 2385 Richmond Terrace, S I 2, N Y
*Patent Chem, 335 McLean Ave, Paterson 4, N J
*Pennsylvania Color & Chem Co, Pine Run Rd, Doylestown, Pa
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Standard Ultramarine Co, 5 Ave & 24 St, Huntington, W Va
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
Witco Chem Co, 295 Madison Ave, N Y 17

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- Red, Yellow, Brown & Black Precipitated Iron Oxides
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- Zinc, Calcium, Barium, Strontium & Lead Chromates
- Tuscan Reds
- Phthalocyanine Colors

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PRINCE MANUFACTURING COMPANY
Bowmanstown, Pennsylvania
Established 1858
•
• TILE & MORTAR COLORS •
RED, BLACK, BROWN, YELLOW
NON-FADING
LIME-RESISTING

COLORS, JAPAN

Pigments ground especially fine for incorporation in Japans so that the finished products work up smooth, have an even consistency, and break up easily with turpentine.

*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
*Claremont Pigment Dispersion, 110 Wallabout St, Bklyn 11, N Y
*Craftint Mfg Co, E 52 St at Collamer Ave, Cleveland 10, Ohio
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
*Filo Color & Chem Corp, 202 E 44 St, N Y
Harmon Color Works, P O Box 14, Hawthorne, N J
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Fredrik A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*C K Williams & Co, 640 N 13 St, Easton, Pa

COLORS, LACQUER

Colors of low oil absorption, chemically inert, (mainly pigments) possessing good permanency, soft texture, great tinctorial strength and good hiding power. The colors are ground by various means in some ingredient of a lacquer and the paste so formed is then mixed into the remaining ingredients of the lacquer to produce a finished colored lacquer.

*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank S I N Y
Binney & Smith Co, 41 E 42 St, N Y 17
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
*Calco Chem Div, Bound Brook, N J
*Claremont Pigment Dispersion, 110 Wallabout St, Bklyn 11, N Y
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
*Filo Color & Chem Corp, 202 E 44 St, N Y
Gen Dyestuff Corp, 435 Hudson St, N Y 14
Harmon Color Works, P O Box 14, Hawthorne, N J
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Pennsylvania Color & Chem Co, Pine Run Rd, Doylestown, Pa
*Reichhold Chem Inc, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Thomasset Colors, 338 Wilson Ave, Newark 5, N J
*Western States Lacquer Co, 4400 E Washington Blvd, Los Angeles, Cal
*C K Williams & Co, 640 N 13 St, Easton, Pa

COLORS, LINOLEUM

Natural colors, such as ochres, siennas, umbers, metallic oxides, etc. and also coal-tar dyes used to impart color and design in the mfr. of linoleum, oil-cloth, etc.

American Firstoline Corp, 420 Lexington Ave, N Y
*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank S I, N Y
Binney & Smith Co, 41 E 42 St, N Y 17
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Calco Chem Div, Bound Brook, N J
*Claremont Pigment Dispersion, 110 Wallabout St, Bklyn 11, N Y
*E I Du Pont de Nemours & Co, 111 Sutter St, San Francisco, Cal
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
*Federal Color Labs, 4633 Forest Ave, Norwood 12 Ohio
*Filo Color & Chem Corp, 202 E 44 St, N Y
Gen Dystuff Corp, 435 Hudson St, N Y 14
Harmon Color Works, P O Box 14, Hawthorne, N J
*Joy Chem Co, 133 Webster St, Pawtucket, R I
*Reichhold Chem Inc, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Standard Ultramarine Co, 5 Ave & 24 St, Huntington W Va
*C K Williams & Co, 640 N 13 St, Easton, Pa

COLORS, MORTAR, STUCCO

Variety of iron oxide, carbon black, lamp black, colors, ochres, siennas, mineral whites, umers, etc., Uses—to give wide tinctorial opportunity in the use of mortar, cement and stucco. Colors must have high alkali-acid resistance; must withstand the action of the elements over a long period dof time.

Binney & Smith Co, 41 E 42 St, N Y 17
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Calco Chem Div, Bound Brook, N J
Charles B Chrystal Co, 53 Park Pl, N Y 7
*Claremont Pigment Dispersion, 110 Wallabout St, Bklyn 11, N Y
*Clinton Metallic Paint Co, Clinton, N Y
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
*Filo Color & Chem Corp, 202 E 44 St, N Y
*A C Horn Co, 10 St & 44 Ave, L I C 1, N Y
C J Osborn Co, 132 Nassau St, N Y
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*J Lee Smith & Co, 25 Ann St, N Y 38
*C K Williams & Co, 640 N 13 St, Easton, Pa
Murray Williams Color & Chem Co, 353 Boyden Ave, Maplewood, N J
*Utility Color Co, 377-399 Frelinghuysen Ave, Newark, N J

COLORS, OIL SOLUBLE

Various white and colored pigments and synth. dyes ground to a fine paste usually in specially prepared pure linseed oil and employed for tinting requirements in paints, varnishes, enamels, lacquers, artists' paints, etc.

American-British Chem Supplies, 180 Madison Ave, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Barnett Labs, 6256 Cherry Ave, Long Beach 5, Cal
*Calco Chem Div, Bound Brook, N J
*Ciba Co, 627 Greenwich St, N Y 14
*Commonwealth Color & Chem Co, 3240 Grace Ave, Bronx 67, N Y
Elbert & Co, 2 Broadway, N Y
*Filo Color & Chem Corp, 202 E 44 St, N Y
*Gen Color Co, 24 Ave B, Newark 5, N J
Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
Innis, Speiden & Co, 117 Liberty St, N Y 6
Interstate Color Co, 389 Washington St, N Y 13
*James B Long & Co, 4642 N Ravenswood Ave, Chicago 40, Ill
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
Wm E Maher, P O Box 28, Astoria Sta 2, L I C, N Y
*Patent Chem, 335 McLean Ave, Paterson 4, N J
*Sherwin-Williams Co, 100 Park Ave, N Y
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*Zinsser & Co, Railroad Ave, Hastings-On-Hudson, N Y

COLORS, OVERGLAZE

Properly fluxed and compounded colors of the enamel, matt or satin and tinting color class used as decoration and applied after glazing. Uses—for spray and hard painting, tinting, dry or wet grounding, and printing on china, stoneware, and enameled steel. Usually fired within the range of 740-800° C. cone 017-015.

*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Filo Color & Chem Corp, 202 E 44 St, N Y
*Mason Color & Chem Works, 206 Broadway, E Liverpool, Ohio
L Reusche & Co, 2-6 Lister Ave, Newark 5, N J

COLORS, PAINT SPRAY BOOTH

*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, S I, N Y
Filo Color & Chem Corp, 202 E 44 St, N Y

COLORS, PAPER-MAKERS'

When max. whiteness has been obtained by bleaching pulp, paper manufacturers use blueing, such as ultramarine, and dyes, usually coal-tar anilines to tone the stock and offset any yellowness still remaining. These dyes, together with mineral pigments are employed to color the stock. The dyes penetrate the actual substance of the fibres. Pigments, however, color the stock by mechanical enmeshment with the fibres. See also, Dyes, Paper; Pigments, Paper. Pigments are less brilliant in hue than dyes, but are faster to light. If used in any quantity, they serve as fine fillers and have the same action as clay.

*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, S I, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
Binney & Smith Co, 41 E 42 St, N Y 17
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
*Calco Chem Div, Bound Brook, N J
*Ciba Co, 627 Greenwich St, N Y 14
*Claremont Pigment Dispersion, 110 Wallabout St, Bklyn 11, N Y
Stanley Doggett, 75 Varick St, N Y 13
*E I Du Pont de Nemours & Co, 111 Sutter St, San Francisco, Cal
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
Frank G Fanning, 50 E 42 St, N Y 17
*Federal Color Labs, 4633 Forest Ave, Norwood 12, Ohio
*Filo Color & Chem Corp, 202 E 44 St, N Y
*Geigy Co, 89 Barclay St, N Y 8
Gen Dyestuff Corp, 435 Hudson St, N Y 14
Hampden Color & Chem Co, 5 Albany St, Springfield, Mass
Harmon Color Works, P O Box 14, Hawthorne, N J
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*Imperial Paper & Color Corp, Box 231, Glens Falls, N Y
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*L & R Organic Products Co, 50 White St, N Y 13
*Mineral Pigments Corp, Muirkirk, Md
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Utility Color Co, 377-399 Frelinghuysen Ave, Newark, N J
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*C K Williams & Co, 640 N 13 St, Easton, Pa

COLORS, PASTE

Finely ground pigments dispersed with sufficient oil to form a paste and used in the formulation of paints, enamels, etc.

*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, S I, N Y
*Calco Chem Div, Bound Brook, N J
*Chicago Ink & Research Co, 300 W Northwest HW, Mt Prospect, Ill
*Claremont Pigment Dispersion, 110 Wallabout St, Bklyn 11, N Y
*E I Du Pont de Nemours & Co, Electrochem Dept & Pigments Dept, Wilmington 98, Del
*Federal Color Labs, 4633 Forest Ave, Norwood 12, Ohio
*Filo Color & Chem Corp, 202 E 44 St, N Y
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Pennsylvania Color & Chem Co, Pine Run Rd, Doylestown, Pa
*Sherwin-Williams Co, 100 Park Ave, N Y 17

COLORS, PERFUME

Mixed coal tar dyes specially prepared to produce a wide variety of bright shades. Sol. in water and alcohol. It should be noted that very small quantities should be used, as their tinctorial power is so great that liq. in which they are incautiously used may stain.

*Calco Chem Div, Bound Brook, N J
Filo Color & Chem Corp, 202 E 44 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*H Kohnstamm & Co, 83 Park Pl, N Y 7

COLORS, PHOTOGRAPHIC

Products for coloring photographic prints by hand These include oil colors, water colors, and pastels.

*Calco Chem Div, Bound Brook, N J
*Edwal Labs,, Ringwood, Ill
Filo Color & Chem Corp, 202 E 44 St, N Y
Norman-Willets Co, 316 Washington St, Chicago 6, Ill

COLORS, PLASTIC

Special pigments, earth colors or sol. dyes, usually added during either the mixing or the rolling operation, which resist heat, pressure, etc.; possess ability to dissolve in certain common solvents, and impart generally that transparency of color so desirable in plastics. Among the pigments are:—Prussian blue, zinc oxide, titanium oxide, carbon black, lampblack, cadmium and chromium colors; the earth colors, such as siennas, ochres, and umbers; the synth. dyes, such as triphenylmethane basic colors, many of the azo colors, certain of vat dyes, etc.

Akron Chem Co, 255 Fountain St, Akron, Ohio

COLORS, PLASTIC, continued

*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, S I, N Y
*Argus Chem Lab, 56 Clifton Pl, Bklyn 5, N Y
J M Baird Co, 147 Nassau St, N Y
Binney & Smith Co, 41 E 42 St, N Y 17
E F Boruski Jr, 162 W 54 St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
*Calco Chem Div, Bound Brook, N J
*Chicago Ink & Research Co, 300 W Northwest HW, Mt Prospect, Ill
*Ciba Co, 627 Greenwich St, N Y 14
Stanley Doggett, 75 Varick St, N Y 13
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
Elbert & Co, 2 Broadway, N Y
*Federal Color Labs, 4633 Forest Ave, Norwood 12, Ohio
*Filo Color & Chem Corp, 202 E 44 St, N Y
*Geigy Co, 89 Barclay St, N Y 8
*Gen Color Co, 24 Ave B, Newark 5, N J
Gen Dyestuff Corp, 435 Hudson St, N Y 14
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harmon Color Works, P O Box 14, Hawthorne, N J
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*Imperial Paper & Color Corp, Box 231, Glens Falls, N Y
Interstate Color Co, 389 Washington St, N Y 13
*Ky Color & Chem Co, 600 N 34 St, Louisville 12, Ky
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Marx Max Color & Chem Co, 192 Colt St, Irvington, N J
*Mineral Pigments Corp, Muirkirk, Md
*Patent Chem, 335 McLean Ave, Paterson 4, N J
*Pennsylvania Color & Chem Co, Pine Run Rd, Doylestown, Pa
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Siemon Colors, 318 Ogden St, Newark 4, N J
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Vitro Mfg Co, 60 Greenway Dr & Corliss Sta, Pittsburgh, Pa
*C K Williams & Co, 640 N 13 St, Easton, Pa

COLORS, RUBBER

Mineral pigments or synth. dyes (usually in the form of lakes, bound to a mineral base) not greatly affected by heat, steam, or sulfur: for white shades zinc oxide and the titanium pigments are largely used; for black, carbon black, lampblack, or one of the charcoal blacks; for blue, ultramarine is often used; chrome pigments, for green; zinc chromate is standard yellow pigment; cadmium sulfides are available in various yellow and orange shades; golden antimony, for orange shades, or ochres where color value at low cost is the deciding factor; for crimson shades iron oxide red, crimson antimony, and vermilions are widely used.

Akron Chem Co, 255 Fountain St, Akron, Ohio
American Firstoline Corp, 420 Lexington Ave, N Y
*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, S I, N Y
Binney & Smith Co, 41 E 42 St, N Y 17
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
*Calco Chem Div, Bound Brook, N J
*E I Du Pont de Nemours & Co, 111 Sutter St, San Francisco, Cal
*E I Du Pont de Nemours & Co, Pigments Dept & Organic Chem Dept, Rubber Chem Div, Wilmington 98, Del
*Federal Color Labs, 4633 Forest Ave, Norwood 12, Ohio
*Filo Color & Chem Corp, 202 E 44 St, N Y
*Gen Color Co, 24 Ave B, Newark 5, N J
Gen Dyestuff Corp, 435 Hudson St, N Y 14
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harmon Color Works, P O Box 14, Hawthorne, N J
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Imperial Paper & Color Corp, Box 231, Glen Falls, N Y
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Magruder Color Co, 2385 Richmond Terrace, S I 2, N Y
*Mineral Pigments Corp, Muirkirk, Md
*Patent Chem, 335 McLean Ave, Paterson 4, N J
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Standard Ultramarine Co, 5 Ave & 24 St, Huntington, W Va
Vitro Mfg Co, 60 Greenway Dr & Corliss Sta, Pittsburgh, Pa
*C K Williams & Co, 640 N 13 St, Easton, Pa
Witco Chem Co, 295 Madison Ave, N Y 17

COLORS, RUBBER, WHITE

American Firstoline Corp, 420 Lexington Ave, N Y
*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
*Calco Chem Div, Bound Brook, N J

"SMITHKO" PRODUCTS

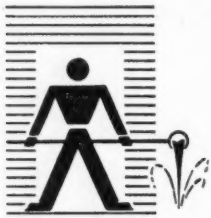
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Lime
Magnesite
Magnesium Carbonate
Magnesium Chloride
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Siennas
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Fabricators of Mineral Colors
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Available Technical Data On Request

Smith Chemical & Color Co.
Incorporated 1919
55 John Street, Brooklyn 1, N. Y.
Cable: SMITHKEMCO Tel. MAin 5-0567

*Company classifies itself as manufacturer or producer of this product



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SMELTING & REFINING WORKS, INC.
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COLORS, SHOW CARD

Special colors used by artists, sign-writers, display men, etc. Should be non-bleeding, opaque, bright, free-flowing, should not rub or chip off, should dry rapidly to a smooth mat finish.

*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, S I, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
*Craftint Mfg Co, E 52 St at Collamer Ave, Cleveland 10, Ohio
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Magruder Color Co, 2385 Richmond Terrace, S I 2, N Y
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y

COLORS, SOAP

*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, S I, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Calco Chem Div, Bound Brook, N J
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Filo Color & Chem Corp, 202 E 44 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Geigy Co, 89 Barclay St, N Y 8
*Gen Color Co, 24 Ave B, Newark 5, N J
Gen Dyestuff Corp, 435 Hudson St, N Y 14
Interstate Color Co, 389 Washington St, N Y 13
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Mason Color & Chem Works, 206 Broadway, E Liverpool, Ohio
L Reusche & Co, 2-6 Lister Ave, Newark 5, N J
Vitro Mfg Co, 60 Greenway Dr & Corliss Sta, Pittsburgh, Pa
Welch, Holme & Clark Co, 439 West St, N Y 14

COLORS, UNDERGLAZE

A ceramic decoration applied to ware before glazing or an incise decoration, embossing or inlaying. Uses—as body or glaze stain for china, stoneware, terra cotta, brick, enameled steel and ironware. Colors used under suitable glaze up to Cone 8 (1290° C.).

COLORS, VARNISH

Dyes sol. in alcohol are largely used: basic dyes, monoazo dyes (which do not contain sulfonic acid groups, such as aniline coupled with beta-naphthol), spirit blue, induline and nigrosine before they are sulfonated: sulfonated rosanilines, etc., are often employed.

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
*Calco Chem Div, Bound Brook, N J
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
*Filo Color & Chem Corp, 202 E 44 St, N Y
Gen Dyestuff Corp, 435 Hudson St, N Y 14
Harmon Color Works, P O Box 14, Hawthorne, N J
*L Hemmerdinger & Co, 424 E 123 St, N Y 35
*Pennsylvania Color & Chem Co, Pine Run Rd, Doylestown, Pa
*Reichhold Chem Inc, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Senefelder Co, 32-34 Greene St, N Y 13
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Standard Ultramarine Co, 5 Ave & 24 St, Huntington, W Va

COLUMBIAN SPIRITS see Methanol

COLUMBIUM (Metal Niobium)

Cb. At. wt. 93.3. At No. 41. Steel-Gray, lustrous metal, Sp. gr. 8.4. M.P. 1950°C. Unattached by HCl, HNO_3, or aqua regia, but is attacked by fusion with fixed alkali hydroxides or with oxidizing agents.

City Chem Corp, 132 W 22 St, N Y 11
*Electro Metallurgical Co, 30 E 42 St, N Y 17
*Fansteel Metallurgical Corp, 2200 Sheridan Rd, N Chicago, Ill
*Metal Hydrides, 16 Congress St, Beverley, Mass

CONCRETE SURFACE TREATMENT

*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*Ceresit Waterproofing Corp, 3227 S Shields Ave, Chicago 16, Ill
*Concrete Specification Surfacing Co, 2 Broadway, N Y
*Sidney P Craven, 2 Broadway, N Y
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
*Dow Corning Corp, Midland, Mich
*Euclid Chem Co, 1534 Hayden Ave, E Cleveland 12, Ohio
*Sika Chem Corp, 33-47 Gregory Ave, Passaic, N J
*Stewart Chem Products Co, Longmont, Col
*Sullivan Co, 212 E Tregg Ave, Memphis, Tenn
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
*Witco Chem Co, 295 Madison Ave, N Y 17

CONGO COPAL see Gum, Congo

COPAL RESIN see Gum, Congo

COPAIBA RESIN see Balsam, Copaiba

COPPER (Cuprum)

Cu. Orange-colored, ductile, malleable metal. Sp. gr. 8.90. M.P. 1083°C. Sol. nitric acid; insol. water. Uses—mfr. copper salts, wires, plates, coins, utensils, anodes for electroplating alloys. Forms—block, ingots, shot, powdered, wire, slabs, etc.

*American Smelting & Refining Co, 120 Broadway, N Y 5
*Anaconda Copper Mining Co, 25 Broadway, N Y 4
W R E Andrews Sales, 1505 Race St, Phila, Pa
Charles Gittan & Co, 25 Beaver St, N Y 4
A P Larsen Co, 29 Broadway, N Y 6
Metallurgical Products Co, 35 & Moore Sts, Phila 45, Pa

COPPER ACETATE (Cupric Acetate, Green Verdigris, Crystallized Verdigris, Venus Crystals, Copper Subacetate, Aerngo)

$Cu(C_2H_3O_2)_2 + 6H_2O$. Greenish-blue powd. Sp. gr. 1.9. Decomp. at 240°C. Sol. water, alcohol, ether. Uses—mfr. paints, varnishes, lacquers, linoleum, oilcloth, inks, ceramic colors, artificial flowers, wall paper, fungicides: preparation gilder's wax; dyeing and printing textiles: as insecticides; laboratory reagent; antique coloring of metals: in medicine. Grades—tech.: C.P.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Conray Products, 510 6 Ave, N Y 11
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

COPPER ACETOARSENITE (Paris Green, Cupric Acetoarsenite, Emerald Green, Imperial Green, King's Green, Moss Green)

$Cu(C_2H_3O_2)_2.3Cu(AsO_2)_2$. Emerald green, amorp. powd. Mfr. white arsenic dissolved in baking soda ash solution, copper sulfate added, then acetic acid. Washed, filtered, dried at low temp. Sol. acids, ammon.a; insol. water. Uses—mfr. marine paints pigments; as insecticide and germicide; wood preservative.

J M Baird Co, 147 Nassau St, N Y
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal

COPPER AMINOSULFATE see Copper Ammonium Sulfate

COPPER AMMONIUM SULFATE (Cupric Ammonium Sulfate, Copper Aminosulfate, Ammonio Cupric Sulfate)

$CuSO_4.4NH_3.H_2O$. Dark blue crystalline powd. Decomp. on heating. Sol. water. Uses—mfr. copper arsenate, insecticidal preps.; mordant in dyeing and printing textiles. Grades—tech.; C.P.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J

COPPER ARSENITE (Scheele's Green, Cupric Arsenic, Copper Orthoarsenite, Swedish Green)

$CuHAsO_3$. M.W. 187.51. Light green, amorp. powd. Decomp. on heating. Sol. acids, alcohol; insol. water. Uses—pigment paint, varnish and wall paper; printing calico; insecticidal compositions; in medicine. Grades—tech.; C.P.

J M Baird Co, 147 Nassau St, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7 Mo

COPPER o-ARSENITE see Copper Arsenite

COPPER BICHLORIDE see Copper Chloride (Cupric)

COPPER BROMIDE

$CuBr_2$. Black, deliq. cryst. or crystalline powd. Sol. alcohol, water, acetone. Uses—intensifier in photography; to replace iodine by bromine in organic synthesis.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J

COPPER CARBONATE (Cupric Carbonate, Copper Subcarbonate, Brunswick Green, Bremen Green, Mineral Green, Artificial Malachite, Copper Lasur, Mountain Green)

$Cu_2(OH)_2CO_3$. Dark green powd. Sp. gr. 3.7-4.0. Decomp. on heating. Sol. acids; insol. water. Uses—mfr. copper salts, pyrotechnics; electroplating brass on copper; paint and varnish pigment; insecticide and germicide; coloring metals; astringent in pomades; antidote for phosphorous poisoning. Grades—tech. (50-52% copper, agricultural grade, 18-20%); C.P.

Adams-Henry Chem Co, 32 Broadway, N Y 4
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
W R E Andrews Sales, 1505 Race St, Phila, Pa
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
Elbert & Co, 2 Broadway, N Y
Faesy & Besthoff, 325 Spring St, N Y 13
Frank G Fanning, 50 E 42 St, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Howe & French, Mfg Dept, E Weymouth, Mass
Hummel Chem Co, 90 West St, N Y 6
Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Leliarts Lane, E Paterson, N J
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Miller Products Co, Ft of S W Caruthers St, Portland 1, Ore
*Mtn Copper Co, 216 Pine St, San Francisco 4, Cal
Phillips & Jacobs, 620-22 Race St, Phila, Pa
*Pittsburgh Plate Glass Co, Corona Chem Div, 235 E Pittsburgh Ave, Milwaukee, Wis
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Jos Turner & Co, Ridgefield, N J

COPPER CARBONATE, BLUE (Sesquicupric Carbonate, Artificial Blue Malachite, Azure Copper, Mineral Hamburg, Mountain Verditer, Bremen Blue)

Basic copper carbonate; composition variable. Blue powd. Sol. dilute acids; insol. alcohol, water. Uses—mfr. pyrotechnics; as pigment; coloring paper; coloring brass blue or black.

American Quinine Co, 15 William St, N Y
W R E Andrews Sales, 1505 Race St, Phila, Pa
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Hummel Chem Co, 90 West St, N Y 6
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Tennessee Corp, 619 Grant Bldg, Atlanta, Ga

COPPER CARBONATE (Cuprous)

Cu_2CO_3. Yellow solid. Decomp. on heating. Sol. alkalies, ammonia. Uses—mfr. copper salts. Grades—tech.

American Quinine Co, 15 William St, N Y
W R E Andrews Sales, 1505 Race St, Phila, Pa
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Hawkins Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Hummel Chem Co, 90 West St, N Y 6
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Tennessee Corp, 619 Grant Bldg, Atlanta, Ga

COPPER CHLORIDE (Cupric) (Cupric Chloride, Copper Bichloride, Copper Dichloride)

a. $CuCl_2$. b. $CuCl_2.2H_2O$. a. Yellow, amorp. powd. b. Greenish-blue deliq. Both solids. Sp. gr. a. 3.53. b. 2.47. M.P. a. 422°C. b. Loses water at 100°C. Both sol. water. Uses—deodorizing and desulfurizing petroleum distillate; mfr. organic chemicals, intermediates, pharmaceuticals; in purifying acetylene; electrometallurgy of nickel; copper refining; denitrating rayon; as insecticides; coloring metals; laboratory reagent. Grades—tech.: C.P.

American Firstoline Corp, 420 Lexington Ave, N Y
Arnold, Hoffman & Co, 55 Canal St, Providence, R I
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Howe & French, Mfg Dept, E Weymouth, Mass
Hummel Chem Co, 90 West St, N Y 6
*Jordan Co, 51 St & Merrimac Ave, Chicago 38, Ill
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Prior Chem Corp, 420 Lexington Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del

COPPER CHLORIDE (Cuprous) (Cuprous Chloride)

CuCl. White crystalline powd. Sp. gr. 3.68-3.88. M.P. 425°C. B.P. 954-1032°C. Sol. hydrochloric acid, ammonia, ammonium chloride; insol. water. Uses—mfr. aniline dyes, methyl violet, photographic paper, sympathetic and indelible inks; pyrotechnics, paint pigments; as catalyst; oxidizing agent; mordant in dyeing and printing textiles; wood preservative; water disinfectant; as insecticide in refining copper; gold and silver metallurgy of mercury and electroplating copper or aluminum; mfr. pure cabon monoxide; in medicine. Grades—tech.; C.P.

American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Hummel Chem Co, 90 West St, N Y 6
*Jordan Co, 51 St & Merrimac Ave, Chicago 38, Ill
Legion Chem, 70 Wall St, N Y 5
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Prior Chem Corp, 420 Lexington Ave, N Y 17

COPPER CHROMATE (Basic Cupric Chromate)

$CuCrO_4.2Cu0.2H_2O$. Light brown powd. Sol. dilute acids, chromic acid solution, ammonium hydroxide; insol. alcohol, water. Uses—as mordant in dyeing.

J M Baird Co, 147 Nassau St, N Y
*City Chem Corp, 132 W 22 St, N Y 11

COPPER CYANIDE (Cuprous) (Cupricin)

Cu_2CN_2. M.W. 179.16. White or grayish-white powd. Sol. ammonium hydroxide, potassium cyanide, hot hydrochloric acid; insol. water, dilute sulfuric acid, cold hydrochloric acid. Uses—mfr. intermediates; copper-brass and alloy gold electroplating; in anti-fouling paints; in medicine.

American Firstoline Corp, 420 Lexington Ave, N Y
*American Quinine Co, 15 William St, N Y
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
John A Chew, 60 E 42 St, N Y 17
Conn Metalcraft, 442 Elm St, New Haven 2, Conn
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Elbert & Co, 2 Broadway, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Hummel Chem Co, 90 West St, N Y 6
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
L J & M La Place, Leliarts Lane, E Paterson, N J
*Lewis Co, 232 Canal St, N Y 13
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Philipp Bros Chem, 37 Wall St, N Y
Seaboard Industries, 195 Keen St, Paterson, N J
E Sonnenschein & Co, 276 5 Ave, N Y 1
Terra Chem, 801 2 Ave, N Y 17

COPPER DICHLORIDE see Copper Chloride (Cupric)

COPPER FLUOBORATE (Cupric Fluoborate)

$Cu(BF_4)_2$. M.W. 237.2. 45% solution dark blue liq. Uses—in copper and copper alloy plating baths.

*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Pelron Corp, 7740 W 47 St, Lyons, Ill

COPPER FLUORIDE

Uses—flux, opacifier in enamel, glass and ceramics; in prep. of brazing, soldering, welding fluxes, in electrical industry.

American Firstoline Corp, 420 Lexington Ave, N Y
*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Henry Sundheimer Co, 103 Park Ave, N Y 17

COPPER FORMATE

$Cu(OOCH)_2$. M.W. 153.59. Bluish crystalline powd. Uses—preps. of catalysts for hydrogenation and isomerization reactions.

J M Baird Co, 147 Nassau St, N Y
*City Chem Corp, 132 W 22 St, N Y 11

COPPER GLUCONATE

$[CH_2OH(CHOH)_4\ COO]_2\ Cu$. M.W. 453.87.

J M Baird Co, 147 Nassau St, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y

COPPER HEMIOXIDE see Copper Oxide, Red

COPPER HYDRATE see Copper Hydroxide

COPPER HYDROXIDE (Copper Hydrate, Cupric Hydroxide, Hydrated Copper Oxide)

$Cu(OH)_2$. M.W. 97.59. Blue, amorp. powd. Sp. gr. 3.368. Decomp. on heating. Sol. acids. Uses—mfr. copper salts, rayon; as mordant in textile dyeing; pigments in paints, varnishes and for staining paper; laboratory reagent. Grades—tech.

J M Baird Co, 147 Nassau St, N Y
*Leffingwell Chem Co, P O Box 191, Whittier, Cal
*Mtn Copper Co, 216 Pine St, San Francisco 4, Cal

COPPER IODIDE

*City Chem Corp, 132 W 22 St, N Y 11
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

COPPER LASUR see Copper Carbonate

COPPER LINOLEATE (Cuprous Linoleate)

$Cu(C_{17}H_{31}COO)_2$. M.W. 621.93. Greenish-blue masses. Uses—preservation of cloth, wood, and paint against mildew, dry rot; in paints to prevent growth of barnacles.

J M Baird Co, 147 Nassau St, N Y
*New Wrinkle, 105 W Adams St, Chicago 3, Ill
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill

COPPER MONOXIDE see Copper Oxide, Black

COPPER NAPHTHENATE

11-13% copper. Green solid. Uses—preservation cloth, wood, paint, against mildew, dry rot; in paints to prevent barnacle growth.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*American Tar Co, Ft Wallingford Ave, Seattle 3, Wash
J M Baird Co, 147 Nassau St, N Y
*Cuprinol Div, Simsbury, Conn
*Gen Petroleum Corp, 612 S Flower St, Los Angeles 17, Cal
*Gilbreath Chem Co, 383 Brannan St, San Francisco 7, Cal
R B Huber, 216 Tremont St, Boston 16, Mass
*Industrial Lining Engrs, 35 & Smallman Sts, Pittsburgh, Pa
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Mathe Chem Co, 169 Milbank St, Lodi, N J
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Oronite Chem Co, 38 Sansome St, San Francisco, Cal
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Witco Chem Co, 295 Madison Ave, N Y 17

COPPER NITRATE (Cupric Nitrate)

a. $Cu(NO_3)_2.3H_2O$). b. $Cu(NO_3)_2.6H_2O$. Blue, deliq. cryst. Sp. gr. (trihydrate) 2.047; (hexahydrate) 2.074. M.P. (trihydrate) 114.5°C.; (hexahydrate) 26.4°C. Sol. water, alcohol. Uses—mfr. photographic paper, enamels, paints, varnishes, dyestuffs, insecticidal compositions; in electroplating nickel; coloring copper black; as indigo reserve and mordant in dyeing and printing textiles; burnished effect on paints; in medicine. Grades—tech.; C.P.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Phillips & Jacobs, 620-22 Race St, Phila, Pa

COPPER OLEATE Cupric—see also Soaps, Metallic

$Cu(C_{18}H_{33}O_2)_2$. Greenish-blue masses. Sol. ether; insol. water. Uses—as drier of paints, varnishes, enamels, etc.; in medicine. Grades—C.P.; tech.

J M Baird Co, 147 Nassau St, N Y
Beier Co, 150 Nassau St, N Y 38
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Witco Chem Co, 295 Madison Ave, N Y 17

COPPER OXALATE

$(COO)_2Cu$. M.W. 151.69. Occurs as the semi-hydrate; bluish-white cryst. Insol. in water. Use—agricultural insecticide.

J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J

COPPER OXIDE, BLACK (Cupric Oxide, Copper Monoxide)

CuO. M.W. 79.57. Brownish-black, amorp. powd. Sp. gr. 6.40. M.P. 1026°C. Sol. acids; insol. water. Uses—mfr. aromatic acids from cresols, paper, rayon, anti-fouling paints, ceramics, glazes and enamels, electric batteries, synth. precious stones; desulfurizing petroleum; electroplating metals; as germicide and insecticide; laboratory chemical; purification of hydrogen; as catalyst; green color in glass. Grades—tech.; C.P.

American Firstoline Corp, 420 Lexington Ave, N Y
W R E Andrews Sales, 1505 Race St, Phila, Pa
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburgh, N J
*Calumet & Hecla Consolidated Copper Co, 1 Calumet Ave, Calumet, Mich
Elbert & Co, 2 Broadway, N Y
*Glidden Co, 1717 Summer St, Hammond, Ind
Hummel Chem Co, 90 West St, N Y 6
Kingston Chem Co, 15 William St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Mtn Copper Co, 216 Pine St, San Francisco 4, Cal
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Vitro Mfg Co, 60 Greenway Dr & Corliss Sta, Pittsburgh, Pa
Witco Chem Co, 295 Madison Ave, N Y 17

*Company classifies itself as manufacturer or producer of this product

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COPPER OXIDE, RED (Cuprous Oxide, Copper Hemioxide, Copper Protoxide, Copper Suboxide)

Cu_2O. Reddish brown, crystalline powd. Sp. gr. 5.76-6.09. M.P. 1235°C. B.P. 1800°C. Sol. acids, alkalies; insol. water. Uses—mfr. paper, copper salts, red glass, metallic copper, red ceramics; in enameling and electroplating.

American Firstoline Corp, 420 Lexington Ave, N Y
W R E Andrews Sales, 1505 Race St, Phila, Pa
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburgh, N J
Barclay Chem Co, 75 Varick St, N Y
*Calumet & Hecla Consolidated Copper Co, 1 Calumet Ave, Calumet, Mich
Elbert & Co, 2 Broadway, N Y
Florida Agricultural Supply Co, 1611 Talleyrand Ave, Jacksonville, Fla
*Glidden Co, 1717 Summer St, Hammond, Ind
Hummel Chem Co, 90 West St, N Y 6
Kingston Chem Co, 15 William St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Mountain Copper Co, 216 Pine St, San Francisco 4, Cal
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Stauffer Chem Co, P O Box 68, N Portland, Ore
*C K Williams & Co, 640 N 13 St, Easton, Pa
Witco Chem Co, 295 Madsion Ave, N Y 17

COPPER OXYCHLORIDE

$CuCl_2.2Cu0.4H_2O$. Bluish-green powd. Sol. ammonium hydroxide; insol. wafer. Uses—as green pigment.

J M Baird Co, 147 Nassau St, N Y
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Industrial Sales Corp, 500 5 Ave, N Y 18
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Rohm & Haas Co, Washington Sq, Phila 5, Pa

COPPER OXYCHLORIDE SULFATE

Cu 55-57%. Fluffy light blue powd., minute particle size, low apparent gravity. This material is essentially penta (5) basic. Uses—agricultural fungicide for dusting, spraying or seed treatment.

W R E Andrews Sales, 1505 Race St, Phila, Pa
J M Baird Co, 147 Nassau St, N Y

COPPER PALMITATE

*Mathe Chem Co, 169 Milbank St, Lodi, N J

COPPER 3-PHENYLSALICYLATE

$C_{26}H_{18}CuO_6$. M.W. 490. Tan crystalline material. Uses—odorless preservative for textiles, leather, and wood.

*Bios Labs, 17 W 60 St, N Y 23
*Dow Chem Co, Midland, Mich

COPPER PHOSPHATE

*J T Baker Chem Co, Phillipsburg, N J
*City Chem Corp, 132 W 22 St, N Y 11
*Mtn Copper Co, 216 Pine St, San Francisco 4, Cal
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

COPPER POWDER

Cu. 99.60% plus. Usually supplied in 100-200-300 mesh.

*Argus Chem Lab, 56 Clifton Pl, Bklyn 5, N Y
*Biofen Labs, 14 6 St, Bridgeport 7, Conn
*Glidden Co, 1717 Summer St, Hammond, Ind
*Metals Disintegrating Co, P O Box 290, Elizabeth, N J
*New Jersey Zinc Sales Co, 160 Front St, N Y 38

COPPER PROTEIN

*Bios Labs, 17 W 60 St, N Y 23
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

COPPER PROTOXIDE see Copper Oxide, Red

COPPER 8-QUINOLINOLATE (Copper 8-Q)

$(C_9H_6ON)_2Cu$. M.W. 351.9. Yellowish-green powd. Uses—fungistate to protect fabrics, leather; protective coating materials against organism attack.

*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
*Fisher Chem Co, 60 E 42 St, N Y 17
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Scientific Oil Compounding Co, 1637 S Kilbourn Ave, Chicago 23, Ill
*Warwick Chem Co Div, Wood River Junction, R I

COPPER RESINATE (Cupric Resinate)

$Cu(C_{20}H_{29}O_2)_2$. Green, amorp. powd. Sol. ether, oils. Uses—mfr. anti-fouling paints, insecticidal compositions, ceramics; as preservative metal paint. Grades—tech.

J M Baird Co, 147 Nassau St, N Y
*J Meyer & Sons, 4321 N 4 St, Phila 40, Pa

COPPER RICINOLEATE

$Cu[CH_3(CH_2)_5CHOHCH_2CHCH(CH_2)_7CO_2]_2$. M. W 654. Deep green solid. Softening point of 55-60°C. Uses—mainly as fungicide; lubricant.

J M Baird Co, 147 Nassau St, N Y

COPPER SHOT

Reddish, lustrous metal in pellet or globular form. Becomes dull when exposed to air. Sp. gr. 8.96. M.P. 1,083°C. B.P. 2,310°C. Sol. hot conc. sulfuric acid, hot conc. nitric acid and dilute nitric acid. Sl. sol. in dilute sulfuric acid, ammonium hydroxide and organic acids very sl. sol. in hydroxide acid; insol. cold conc. nitric acid, water and alcohol.

W R E Andrews Sales, 1505 Race St, Phila, Pa
J T Baker Chem Co, Phillipsburg, N J
*Glidden Co, 1717 Summer St, Hammond, Ind
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Metallurgical Products Co, 35 & Moore Sts, Phila 45, Pa

COPPER STEARATE (Cupric Stearate)

$Cu(C_{18}H_{36}O_2)_2$. Light blue, amorp. powd. Sol. ether, chloroform, benzol, turpentine; insol. water. Uses—mfr. anti-fouling paints; bronzing purposes. Grades—tech.

Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*Leffingwell Chem Co, P O Box 191, Whittier, Cal
*Mathe Chem Co, 169 Milbank St, Lodi, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Witco Chem Co, 295 Madison Ave, N Y 17

COPPER SUBACETATE see Copper Acetate

COPPER SUBCARBONATE see Copper Carbonate

COPPER SUBOXIDE see Copper Oxide, Red

COPPER SULFATE (Blue Vitriol, Blue Stone, Blue Copperas, Roman Vitriol, Salzburg Vitriol)

$CuSO_4.5H_2O$. Blue, crystalline powd. or lumps. Efflorescent (when dehydrated almost white). Sp. gr. 2.284 (15°C). Loses water at 110°C. Sol. water.

*Company classifies itself as manufacturer or producer of this product

COPPER SULFATE, continued

alcohol. Uses—mfr. copper salts, printing inks, electric batteries, Paris green, Bordeaux mixture, casein glues; as mordant in printing and dyeing textiles; germicide, insecticide and fungicide; laboratory reagent; wood preservative; dehydrating agent, (anhydrous form); pigments in paints and hair dyes; copper plating, etching, and in electrolytic baths; in the sweetening process in refining; for drawing wire; process engraving and photo engraving; tanning leather; purifying drinking water and swimming baths; preserving pulpwood and ground pulp; for coloring metals; in medicine. Grades—C.P.; tech.; 99% cryst.; granulated; powdered.

Adams-Henry Chem Co, 32 Broadway, N Y 4
Aetna Color & Chem Co, 60 Linden Ave, E Paterson, N J
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*American Quinine Co, 15 William St, N Y
W R E Andrews Sales, 1505 Race St, Phila, Pa
Badger Chem Co, 1120 S Barclay St, Milwaukee 4, Wis
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
J H Bauminger, 421 7 Ave, N Y
Chematar Inc, Exchange Pl, N Y 5
Chem Mfg Co, 21 West St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
Chem Supply Co, 302 Railroad St, Neenah, Wis
John A Chew, 60 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
Conray Products, 510 6 Ave, N Y 11
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2660-79 Guoin St, Detroit 7, Mich
Elbert & Co, 2 Broadway, N Y
European Chem Co, 366 Broadway, N Y 13
Faesy & Besthoff, 325 Spring St, N Y 13
Fallek Products Co, 163 Broadway, N Y 6
Frank G Fanning, 50 E 42 St, N Y 17
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
Fine Chem Co, 156 E 42 St, N Y 17
Florida Agricultural Supply Co, 1611 Talleyrand Ave, Jacksonville, Fla
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*E Gumpert Corp, 75 West St, N Y 12
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Howe & French, Mfg Dept, E Weymouth, Mass
Chas L Hulsking & Co, 45 Clinton St, Bklyn 5, N Y
Hummel Chem Co, 90 West St, N Y 6
Philip A Hunt Co, Palisades Park, N J
Hyde & Bates, 17 John St, N Y 38
Ideal Chem & Supply Co, P O Box 5597, Memphis 4, Tenn
Industrial Sales Corp, 500 5 Ave, N Y 18
International Selling Corp, 70 Pine St, N Y 5
Enos F Jones Chem Co, 14 Florence St, Jersey City 4, N J
E & F King & Co, 640 Pleasant St, Norwood, Mass
*Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Leliarts Lane, E Paterson, N J
Legion Chem, 70 Wall St, N Y 5
Legrand Chem Corp, 103 50 St, Bklyn 32, N Y
*Lewis Co, 232 Canal St, N Y 13
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
Merchants Chem Co, 60 E 42 St, N Y 17
Miller Chem & Fertilizer Corp, 1000 S Caroline St, Baltimore 31, Md
*Mtn Copper Co, 216 Pine St, San Francisco 4, Cal
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Onalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
Chas Page & Co, 50 E 42 St, N Y 17
L D Peters & Sons, 1133 Broadway, N Y 10
*Phelps-Dodge Refining Corp, 40 Wall St, N Y 5
Philipp Bros Chem, 37 Wall St, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Pioneer Salt Co, 940 N Delaware Ave, Phila, Pa
Prentiss Drug & Chem Co, 110 William St, N Y 38
Prior Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Sessions Gifford Co, 255 Allens Ave, Providence, R I
Shapiro & Novick, 60 Broad St, N Y 4
H D Sheldon & Co, 104 5 Ave, N Y
Shepard Chem Corp, 117 Liberty St, N Y 6
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
George F Smith, 60 E 42 St, N Y 17
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
J U Starkweather Co, 241 Allens Ave, Providence, R I

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COPPER SULFATE, continued

*Tennessee Corp, 619 Grant Bldg, Atlanta, Ga
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Tobacco By-Products & Chem Corp, 401 E Main St, Richmond, Va
George Uhe Co, 76 9 Ave, N Y 14
United Sterling Corp, 37 E 28 St, N Y
Van Waters & Rogers, 4000 1 Ave S, Seattle, Wash
*Western Chem Co, Box 703, Altoona, Pa
White Star Chem Corp, 2030 E Adams St, Jacksonville, Fla
Wollen Chem & Supply Co, 126 6 Ave, Paterson, N J

COPPER SULFATE (Basic)

Adams-Henry Chem Co, 32 Broadway, N Y 4
American Quinine Co, 15 William St, N Y
W R E Andrews Sales, 1505 Race St, Phila, Pa
Barclay Chem Co, 75 Varick St, N Y
Chem Mfg Co, 21 West St, N Y
Faesy & Besthoff, 325 Spring St, N Y 13
Florida Agricultural Supply Co, 1611 Talleyrand Ave, Jacksonville, Fla
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Kingston Chem Co, 15 William St, N Y 5
Merchants Chem Co, 60 E 42 St, N Y 17
Miller Chem & Fertilizer Corp, 1000 S Caroline St, Baltimore 31, Md
*Mountain Copper Co, 216 Pine St, San Francisco 4, Cal
*Phelps Dodge Refining Corp, 40 Wall St, N Y 5
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Seaboard Industries, 195 Keen St, Paterson, N J
*Tennessee Corp, 619 Grant Bldg, Atlanta, Ga
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill
Tobacco By-Products & Chem Corp, 401 E Main St, Richmond, Va
Tuteur Bio-Chem, 60 Wall St, N Y 5

COPPER SULFATE (Monohydrated)

$CuSO_4.5H_2O$. When heated to 110°C loses 4 molecules of water. Uses—mfr. green and blue pigments; sprays for plants; in electrolysis and galvanoplating; as a reagent in the dye industry; in medicine.

American Quinine Co, 15 William St, N Y
W R E Andrews Sales, 1505 Race St, Phila, Pa
Barclay Chem Co, 75 Varick St, N Y
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
Faesy & Besthoff, 325 Spring St, N Y 13

COPPER SULFATE, continued

Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Kingston Chem Co, 15 William St, N Y 5
Merchants Chem Co, 60 E 42 St, N Y 17
Miller Chem & Fertilizer Corp, 1000 S Caroline St, Baltimore 31, Md
*Mountain Copper Co, 216 Pine St, San Francisco 4, Cal
Overseas Trading Corp, 420 Lexington Ave, N Y 17
*Phelps Dodge Refining Corp, 40 Wall St, N Y 5
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
E Sonnenschein & Co, 276 5 Ave, N Y 1
Stauffer Chem Co, P O Box 68, N Portland, Ore
*Tennessee Corp, 619 Grant Bldg, Atlanta, Ga
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill

COPPER SULFIDE (Cupric Sulfide)

CuS. M.W. 95.63. Black powd. Sp. gr. 4.6. Sol. nitric acid. Uses—mfr. anti-fouling paints, varnishes; in dyeing wool and dyeing with aniline black. Grades—tech.; C.P.

J M Baird Co, 147 Nassau St, N Y
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y

COPPER SULFOCYANIDE (Copper Thiocyanate, Cuprous Sulfocyanide, Cuprous Rhodanate)

CuSCN. Yellowish-white, amorp. powd. M.P. 1084°C. Sol. ammonia. Uses—mfr. organic chemicals, synth. dyes, drugs, perfumes, anti-fouling marine paints and varnishes; in hydrocyanic acid; printing textiles; as laboratory reagent; reagent in making intermediates.

*City Chem Corp, 132 W 22 St, N Y 11
*Halby Chem Co, P O Box 366, Wilmington 99, Del

COPPER TARTRATE

*J T Baker Chem Co, Phillipsburg, N J
*City Chem Corp, 132 W 22 St, N Y 11
*Delta Chem Works, 23 W 60 St, N Y
Verona Chem Co, 26 Verona Ave, Newark, N J

COPPER THIOCYANATE see Copper Sulfocyanide

COPPER UNDECYLENATE

$Cu[CH_3CHCH(CH_2)_7CO_2]_2$. M.W. 430. Dark green solid. Relatively low softening point. Uses—germicide; fungicide.

COPPER UNDECYLENATE, continued

*Mathe Chem Co, 169 Millbank St, Lodi, N J
*Wallace & Tiernan Products, 11 Mill St, Belleville 9, N J

COPPERAS see Ferrous Sulfate

COPPERON see Cupferron

COPRA

Dried meat of coconut. Habitat—Ceylon, Java, Philippines, etc. Uses—in mfr.; extraction of coconut oil and copra cake and meal.

Dalton-Cooper, 200 W 34 St, N Y
Garriques, Stewart & Davies, 75 West St, N Y 6
Sin Tung Hing, 215 Market St, San Francisco 5, Cal

COPRA CAKE AND MEAL (Coconut Cake)

Residue from crushing of dried Copra in coconut oil production. Copra meal is ground Copra cake. Analysis shows 19% protein, 6% fat, 11% fibre. Uses—live stock feed.

Bradley & Baker, 155 E 44 St, N Y 17
Chem Advance Corp, 1345 Arch St, Phila, Pa
Snow & Co, 3039 E 12 St, Los Angeles, Cal

CORALLIN see Acid, Rosolic

CORE COMPOUNDS

Proprietary preps. employed in foundry practice to stiffen, harden and vent cores; to give body to the sand. Should burn without smoke or smell, should not blow, and should rap out easily. See Oils, Core.

Faesy & Besthoff, 325 Spring St, N Y 13
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Knefler Bates Co, 1730 W Mich St, Indianapolis 6, Ind
J S McCormick Co, 25 & Av R R, Pittsburgh 22, Pa
*Tiona Petroleum Co, 501 Broad St, Phila 2, Pa

CORN STARCH see Starch, Corn

CORN SUGAR (Dextrose, Glucose, Grape Sugar, Baker's Sugar)

$C_6H_{12}O_6.H_2O$. White, amorp., crystalline powd. Sp. gr. 1.562038 (18°C). M.P. 140°C. Sol. water. Uses—mfr. confectionery, baked products, vinegar, sweetmeats, marmalades, vegetable foods, food preps, liquwood and dyewood liquors; thickening agent in extracts, tannin liquors and chrome tanning; brewing and wine making; flavoring tobacco; sizing, weighting, and ingredient of printing pastes for textiles, viscose and cuprammonium rayon precipitating baths; in medicine. Grades—tanners' edible; tech.; C.P.; U.S.P.

*American Maize Products Co, 100 E 42 St, N Y 17
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
F M Browning Co, 150 Broadway, N Y 38
Buffalo Extract & Supply Co, 717 Elk St, Buffalo, N Y
Chem Advance Corp, 1345 Arch St, Phila, Pa
John A Chew, 60 E 42 St, N Y 17
*Clinton Foods, Clinton, Iowa
Conray Products, 510 6 Ave, N Y 11
Consumers Products Co, 99 Hudson St, N Y 13
*Corn Products Refg Co, 17 Battery Pl, N Y 4
Dehls & Stein, 237 South St, Newark 5, N J
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Legion Chem, 70 Wall St, N Y 5
Mutchler Chem Co, 258 Broadway, N Y 7
*Penick & Ford, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*A E Staley Mfg Co, Decatur, Ill
Henry Sundheimer Co, 103 Park Ave, N Y 17
O J Weeks Co, 16 Hudson St, N Y 13

CORNISH CLAY see Clays, China

CORROSIVE SUBLIMATE see Mercuric Chloride

CORUNDUM see Aluminum Oxide

COSMETIC BISMUTH see Bismuth Oxychloride

COSMOLINE see Petrolatum

COTTON FLOCK

Short pieces of cotton goods approx. 1/64" in length. Uses—for compositions such as plastics, rubber, etc.; artificial flowers; produce suede finish on plastics, metals, paper.

Barclay Chem Co, 75 Varick St, N Y
*Composition Materials Co, 23 W 44 St, N Y
*Wm D Egleston Co, 249 5 St, Cambridge 42, Mass
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio

COTTON LINTERS

Short hairs left after removal of the stable cotton. Mainly cellulose and used for the mfr. of nitrocellulose, cellulose acetate, etc.

*Farmers Cotton Oil Co, Drawer 980, Wilson, N C
W C Manley Jr, Falls Bldg, Memphis, Tenn

CLINTON

CORN SYRUP UNMIXED
DRIED CORN SYRUP

CLINTON FOODS INC.
CLINTON, IOWA

*Company classifies itself as manufacturer or producer of this product

COTTON-SEED see Oil, Cottonseed

COTTONSEED MEAL AND CAKE

Ground cottonseed cake. Light yellow color, sharp, nutty odor. Uses—in fertilizer, cattle foods, horse feed.

Agazarian & Co, 99 Hudson St, N Y 13
*Farmers Cotton Oil Co, Drawer 980, Wilson, N C
Joseph C Jett, Board of Trade Bldg, Norfolk 1, Va
Samuel D Keim, Liberty Trust Bldg, Phila 7, Pa
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
Chas Page & Co, 50 E 42 St, N Y 17
Herbert H Parker, 2 Broadway, N Y 4
Snow & Co, 3039 E 12 St, Los Angeles, Cal

COUMARIN (Cumarin, Tonka-bean Camphor, Benzopyrone, o—Hydroxy-cinnamic Lactone)

$C_9H_6O_2$ M.W. 146.05. Colorless, crystalline product with an odor resembling new mown hay. M.P. 70°C. Sol. alcohol, ether, chloroform; sl. in hot water. Uses—in perfumes, soaps, tobacco, food flavors.

J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Consumers Products Co, 99 Hudson St, N Y 13
Dodge & Olcott, 180 Varick St, N Y 14
*Dow Chem Co, Midland, Mich
P R Dreyer, 113 W 19 St, N Y
T M Duche & Sons, 117-119 Hudson St, N Y 13
*E I Du Pont de Nemours & Co, Organic Chem Dept Fine Chem Div, Wilmington 98, Del
*Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Givaudan Delawanna, 330 W 42 St, N Y 18
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Legion Chem, 70 Wall St, N Y 5
Geo Lueders & Co, 427 Washington St, N Y 13
Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
McKesson & Robbins, 155 E 44 St, N Y 17
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
*Nardini Co, 15 Moore St, N Y 4
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
Polak & Schwartz, 667 Washington St, N Y 14
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 70 Vesey St, N Y 7
Sterwin Chem, 1450 Broadway, N Y 18
Tombarel Products Corp, 12 E 22 St, N Y 10
Torre Products Co, 52-54 Wooster St, N Y 13
D J Weeks Co, 16 Hudson St, N Y 13

p-COUMARONE (Coumarone Resin, Benzofurane Resin)

C_6H_4CHOCH. Lemon-yellow to brownish-red, solid amorp. Sp. gr. 1.05-1.10. M.P. 45-200°C. Decomp. at 250°C. Sol. ether, coal tar and petroleum solvents, turpentine, acetone, carbon tetrachloride carbon disulfide, pyridine; insol. alcohol, water. Uses—mfr. rubber fillers, chewing gum, paints, varnishes, insulating compositions, enamels, molded goods. Grades—varying.

Barclay Chem Co, 75 Varick St, N Y
Harwick Standard Chem Co, 60 S Selberling St, Akron, Ohio
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
Republic Chem Corp, 94 Beekman St, N Y 38

COUMARONE RESIN see p-Coumarone

COWRIE KAURIE see Gum, Congo

CREAM OF TARTAR see Potassium Bitartrate

CREOSOTE see Creosote, Wood

CREOSOTE CARBONATE (Creosotal)

Colorless to yellowish liq., sl. creosote odor. Sp. gr. not below 1.145 at 20°C. Insol. water; sol. alcohol. Grades—U.S.P.

Barclay Chem Co, 75 Varick St, N Y
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Republic Chem Corp, 94 Beekman St, N Y 38

CREOSOTE, COAL-TAR (Creosote Oil, Liquid Patch Oil)

Yellowish to dark green-brown, oily liq.; clear at 38°C. or higher. Characteristic odor; poisonous. Mixture of phenols, contains anthracene and naphthalene. Sp. gr. 1.03 (38°C). Distilling range 200° to 400°C. Sol. alcohol, benzene and toluene. Uses—wood preservatives, disinfectants, insecticides, and germicides. Grades—tech.

CREOSOTE, COAL TAR, continued

American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
*Carbolineum Wood Preserving Co, 528 W Highland Ave, Milwaukee 3, Wis
Chematar Inc, Exchange Pl, N Y 5
John A Chew, 60 E 42 St, N Y 17
*Colorado Fuel & Iron Corp, Continental Oil Bldg, Denver, Col
*Coopers Creek Chem Corp, 98 River Rd, W Conshohocken, Pa
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Interlake Iron Corp, 1900 Union Commerce Bldg, Cleveland 14, Ohio
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
Chas Page & Co, 50 E 42 St, N Y 17
*Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
Reinhart Chem Corp, 405 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
*U S Steel Corp, Coal Chem Sales Div, 525 Wm Penn Pl, Pittsburgh 30, Pa
*Zophar Mills, 116 26 St, Bklyn 32, N Y

CREOSOTE, WOOD

Mixture of phenols, chiefly guaiacol and cresol. Almost colorless or yellowish, very refractive, oily liq.; characteristic smoky odor; caustic, burning taste. Sp. gr. not below 1.076. B.R. 203°C-220°C. Sol. water glycerine, glacial acetate acid, fixed alkali hydroxide solutions; miscible with alcohol, chloroform, ether, oils. Uses—medicinals.

J T Baker Chem Co, Phillipsburg, N J
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
*Cliffs Dow Chem Co, Wright St, Marquette, Mich
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Zophar Mills, 116 26 St, Bklyn 32, N Y

CRESOL, (Mixed) (Ortho, Meta and Para)

$CH_3C_6H_4OH$. Ortho—white, crystalline powd., phenol-like odor. Sp. gr. 1.011. M.P. 30.4°C. B.P. 191°C Meta—colorless to yellow liq., phenol-like odor. Sp. gr. 1.0419. M.P. 12°C. B.P. 202°C. Para—colorless crystalline, phenol-like odor. Sp. gr. 1.039. M.P.

HERCULES



Cotton Linters (Pulp) (Bleached)

Best and purest source of cellulose. Viscosities and many other properties as required in bulk and sheeted form.



CM51-1

HERCULES POWDER COMPANY
978 Market St., Wilmington, Del.

MONSANTO
COUMARIN MONSANTO
(COUMARIN N.F.)

Fine or large white crystals; odor, characteristic; melt (liquid), clear and colorless; m.p. 68.8° C., 156° F. min.; b.p. 302° F.; solubility in ethyl alcohol (1:10), complete; moisture 0.10% max.; ash 0.05% max.; conforms to N.F. 1 oz. free sample.

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division
St. Louis 4, Mo.

SERVING INDUSTRY . . . WHICH SERVES MANKIND

MONSANTO
CHEMICALS—PLASTICS

CUMAR*
Paracoumarone-Indene Resin

A neutral, stable, resin of the paracoumarone-indene type, available in various grades—all manufactured under rigid chemical control from selected distillates of tar.

THE BARRETT DIVISION
Allied Chemical & Dye Corporation
40 Rector St., New York 6, N. Y.

Barrett

*Reg. U.S. Pat. Off.

*Company classifies itself as manufacturer or producer of this product

U·S·S Cresols

Ortho Meta Para Special Grades

Tank cars or 55-gallon drums

UNITED STATES STEEL COMPANY
525 WILLIAM PENN PLACE, PITTSBURGH 30, PA.

COAL CHEMICALS

UNITED STATES STEEL

CRESOL, continued

34.5°C. B.P. 202°C. All sol. ether, alcohol, chloroform. Uses—(Ortho) mfr. coumarin, disinfectants, coumarone, fumigants; (Meta) mfr. photographic developers, nitrocresol and nitrocresol explosives, disinfectant soaps, printing inks, paint and varnish removers; as leather preservative; removing ink from newsprint; solvents and preservative for glues; pastes and grinding compounds; softening and reclaiming rubber; basis in making synthetic resins, perfumes, pharmaceuticals. (Para) mfr. cresotinic acid dyes; disinfectants and fumigants; in medicine. Grades—U.S.P.; tech.; ortho; meta; para.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
*Calco Chem Div, Bound Brook, N J
Cole Labs, 42-25 9 St, L I C 1, N Y
T G Cooper & Co, 2400 E Venango St, Phila 34, Pa
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
*Productol Co, 417 S Hill St, Los Angeles 13, Cal
Reinhart Chem Corp, 405 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Tar Residuals, 420 Lexington Ave, N Y 17
*Tide Water Associated Oil Co, 79 New Montgomery St, San Francisco 20, Cal
*U S Steel Corp, Coal Chem Sales Div, 525 Wm Penn Pl, Pittsburgh 30, Pa

m-CRESOL (m-Methylphenol, m-Hydroxy Toluene)

$CH_3C_6H_4OH$. M.W. 108.06. Colorless to yellow liq. Phenol-like odor. Sol. alcohol, ether; sl. sol. in water. Sp. gr. 1.037 @ 16°C. B.P. 202°C. Uses—medicinal, disinfectant, fumigant, mfr. synth. resins. photographic developers, explosives.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
*Calco Chem Div, Bound Brook, N J
Chematar Inc, Exchange Pl, N Y 5
Concord Chem Co, Moorestown, N J
Elbert & Co, 2 Broadway, N Y
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Chas Page & Co, 50 E 42 St, N Y 17
*Productol Co, 417 S Hill St, Los Angeles 13, Cal
Reinhart Chem Corp, 405 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17

o-CRESOL (o-Methyl Phenol)

$CH_3C_6H_4OH$. M.W. 108.13. M.P. 30°C. B.P. 191.5°C.

Aceto Chem Co, 82 Beaver St, N Y 5
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
*Calco Chem Div, Bound Brook, N J
Chematar Inc, Exchange Pl, N Y 5
Coaltar Chem Corp, 420 Lexington Ave, N Y 17
T G Cooper & Co, 2400 E Venango St, Phila 34, Pa
Elbert & Co, 2 Broadway, N Y
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Wm D Neuberg Co, 420 Lexington Ave, N Y 17
Chas Page & Co, 50 E 42 St, N Y 17
*Productol Co, 417 S Hill St, Los Angeles 13, Cal
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
Reinhart Chem Corp, 405 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
*U S Steel Corp, Coal Chem Sales Div, 525 Wm Penn Pl, Pittsburgh 30, Pa
United Sterling Corp, 37 E 28 St, N Y

p-CRESOL

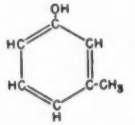
Crystalline mass. Phenol-like odor. Sp. gr. 1.039. M.P. 36°C. B.P. 202°C. Uses—disinfectant, fumigating compositions, creosotinic acid, dyestuffs.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
*Calco Chem Div, Bound Brook, N J
Chematar Inc, Exchange Pl, N Y 5
Elbert & Co, 2 Broadway, N Y
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Chas Page & Co, 50 E 42 St, N Y 17
*Productol Co, 417 S Hill St, Los Angeles 13, Cal
Reinhart Chem Corp, 405 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
*Sherwin-Williams Co, 100 Park Ave, N Y 17

m-CRESOL, PURPLE (m-Cresol-sulfonphthalein)

$C_{21}H_{18}O_5S$. M.W. 382.4. Green crystalline powd. Uses—pH indicator—pH range 1.2 (red) to 2.8 (yellow) and 7.6 (yellow) to 9.2 (purple).

KOPPERS meta-CRESOL



USES: Preparation of thymol, fungicides, musk ambrette and other fine chemicals.

GRADE AVAILABLE
95-98% Purity

KOPPERS COMPANY, INC.
Chemical Division
PITTSBURGH 19, PA.

m-CRESOL, PURPLE, continued

*Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*LaMotte Chem Producs Co, Towson 4, Md
*National Aniline Div, 40 Rector St, N Y 6

CRESOL, RED (o-Cresolsulfonphthalein)

$C_{21}H_{18}O_5S$. M.W. 382.4. Fine, green or reddish brown crystalline powd. Uses—pH indicator; pH range 0.2 (red) to 1.8 (yellow) and 7.2 (yellow) to 8.8 (red).

Barclay Chem Co, 75 Varick St, N Y
City Chem Corp, 132 W 22 St, N Y 11
*Fine Organics, 211 E 19 St, N Y 3
*Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*LaMotte Chem Products Co, Towson 4, Md
*National Aniline Div, 40 Rector St, N Y 6

CRESOLPHTHALEIN

Reddish-yellow, crystalline powd. Sl. sol. in water; sol. in alcohol. Uses—pH indicator range 8.2-9.8.

*Fine Organics, 211 E 19 St, N Y 3
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill

m-CRESOL-SULFONPHTHALEIN see m-Cresol, Purple

o-CRESOLSULFONPHTHALEIN see Cresol, Red

CRESOLS, MIXTURE OF ORTHO, META AND PARA see Acid, Cresylic, Cresol. (Mixed)

CRESOSOTAL see Creosote Carbonate

CRESYL see Acid, Cresylic

CRESYL DIPHENYL PHOSPHATE

$Po(C_6H_5O)_2C_6H_4OCH_3$. M.W. 340.3. Mobile liq. Uses—plasticizer similar to tricresyl phosphate.

*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo

m-CRESYL ACETATE

City Chem Corp, 132 W 22 St, N Y 11
*Eastern Chem Corp, 34 Spring St, Newark 2, N Y

p-CRESYL ACETATE

$CH_3C_6H_4OOCCH_3$. M.W. 150. Colorless liq. Uses—narcissus compounds.

Dodge & Olcott, 180 Varick St, N Y 14
Polak & Schwartz, 667 Washington St, N Y 14
*Verona Chem Co, 26 Verona Ave, Newark, N J

p-CRESYLOL see Acid, Cresylic

CROCUS see Saffron, Spanish

CROCUS OF ANTIMONY see Antimony Sulfide

"CROCUS MARTIS" see Ferric Hydroxide

CROTONALDEHYDE (Propylene Aldehyde, Butenal, Crotonic Aldehyde)

$CH_3CHCHCHO$. Water-white liq., pungent odor, turns yellow on contact with air. Sp. gr. 0.8567. (15.6°C). B.P. 102°C. Flash Point 127.4°F. Freezing Point —69°C. Miscible with gasoline, benzol, etc. On heating dissolves fats, waxes and rubber. Uses—mfr. quinaldine, rubber accelerators, butyraldehyde, crotonic acid; solvent for varnishes, uncured synth. resins, vegetable and mineral oils; wood distillation of resin, shellac, rosin. Grades—tech. (99%).

Barclay Chem Co, 75 Varick St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Tennessee Eastman Co, 10 E 40 St, N Y 16

CROTONIC ALDEHYDE see Crotonaldehyde

CRUDE ANTIMONY see Antimony Sulfide

CRUDE AROMATICS

American-British Chem Supplies, 180 Madison Ave, N Y
*Barrett Div, 40 Rector St, N Y 6
*Cane & Ingram, 43 W 16 St, N Y 11
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*S B Penick & Co, 50 Church St, N Y 7
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa

CRUDE CREAM OF TARTAR see Argols

*Company classifies itself as manufacturer or producer of this product

CRUDE DRUGS

J M Baird Co, 147 Nassau St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
*Greer Drug Co, Box 800, Lenoir, N C
*Hathaway Allied Products, 2024 Westgate Ave, Los Angeles 25, Cal
*J L Hopkins & Co, 477 Keap St, Bklyn 11, N Y
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Frederick D Keller & Son, 150 Nassau St, N Y 7
*Julian W Lyon, 7 Dey St, N Y 7
Wm E Maher, P O Box 28 Astoria Station 2, L I C, N Y
Wm E Martin Co, 205 W 34 St, N Y 1
McKesson & Robbins, 155 E 44 St, N Y 17
*Meer Corp, 318 W 46 St, N Y 19
Mutchler Chem Co, 258 Broadway, N Y 7
*S B Penick & Co, 50 Church St, N Y 7

CRUDE DRUG EXTRACTS

*Academy Mfg Drug Corp, 544 E 171 St, N Y 57
*B R Elk Co, 193 Palisade Ave, Garfield, N J
*J L Hopkins & Co, 477 Keap St, Bklyn 11, N Y
H R Laist Co, 229 Rialto Bldg, San Francisco 5, Cal
*Meer Corp, 318 W 46 St, N Y 19
*S B Penick & Co, 50 Church St, N Y 7

CRYOLITE (Natural) (Cryolith, Greenland Spar, Ice Stone, Kryolith)—see also Cryolith, Synthetic

$3NaF.AlF_3$. or Na_3AlF_6. Natural, white, solid crystalline. Sp. gr. 2.90. M.P. 1000°C. Uses—mfr. soaps, ceramics, opaque glass; as pottery glaze and flux.

American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Hummel Chem Co, 90 West St, N Y 6
*Pennsylvania Salt Mfg Co, 152 Market St, Paterson, N J

CRYOLITE (Synthetic) (Sodium Aluminum Fluoride, Sodium Fluoaluminate)

Na_3AlF_6. M.W. 210. White crystalline powd. Uses—production of aluminum; opacifier and flux in production of glass and vitreous enamels; insecticide in agriculture.

Barclay Chem Co, 75 Varick St, N Y
Charles Gitlan & Co, 25 Beaver St, N Y 4
Hummel Chem Co, 90 West St, N Y 6
Philipp Bros Chem, 37 Wall St, N Y

CRYOLITH see Cryolite (Natural)

CRYSTAL CARBONATE see Sodium Carbonate (Monohydrated)

CRYSTAL VIOLET see Methyl Violet

CUBE

Light tan powd. Uses—insecticides. Grades—varied depending upon % rotenone content.

*American Quinine Co, 15 William St, N Y
Dalton-Cooper, 200 W 34 St, N Y
*Kingston Chem Co, 15 William St, N Y 5
*Otis Astoria Corp, 222 11 Ave, N Y 1
*S B Penick & Co, 50 Church St, N Y 7
*John Powell & Co, 1 Park Ave, N Y 16
Stauffer Chem Co, P O Box 68, N Portland, Ore
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*U S Industrial Chem, 60 E 42 St, N Y

CUBE ALUM see Alum, Potash

CUBIC NITRE see Sodium Nitrate

CUDBEAR (Persio Orchil)

Purplish-red powd. Coloring matter from certain species of lichens. Uses—as a pure food coloring for pharmaceutical preps. (syrups elixirs, etc.).

*Meer Corp, 318 W 46 St, N Y 19

CUMARIN see Coumarin

CUMENYLAMINE see Cumidine

CUMIDINE (Pseudocumidine, Trimethyl-Aminobenzene 1:2:4:5, Aminocumene, Cumenylamine, p-Isopropyl-aniline, Amino-Isopropylbenzene)

$C_6H_2(CH_3)_3NH_2$. White, solid crystalline. Sp. gr. 0.9526. M.P. 62°C. B.P. 236°C. Sol. alcohol, ether; insol. water. Uses—mfr. dyestuffs, intermediates, organic chemicals. Grades—tech.

McKesson & Robbins, 155 E 44 St, N Y 17

CUMINIC ALDEHYDE

$C_{10}H_{12}O$. M.W. 148.15. Colorless liq. with odor of cumin. Uses—compounding orris, cassia, violet and hyacinth perfumes.

*Bios Labs, 17 W 60 St, N Y 23
Dodge & Olcott, 180 Varick St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
Polak & Schwartz, 667 Washington St, N Y 14
*Verona Chem Co, 26 Verona Ave, Newark, N J

CUPFERRON (Nitrosophenyl Hydroxylamine, Copperon)

$C_6H_5NNOONH_4$. White, crystalline leaflets. M.P. 163°C. Sol. alcohol, ether, water. Uses—precipitant for metals.

J T Baker Chem Co, Phillipsburg, N J
*Distillation Products Industries, Rochester 3, N Y
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

CUPRIC see Copper Oleate

CUPRIC ACETATE see Copper Acetate

CUPRIC ACETOARSENITE see Copper Acetoarsenite

CUPRIC AMMONIUM SULFATE see Copper Ammonium Sulfate

CUPRIC ARSENIC see Copper Arsenite

CUPRIC CARBONIC see Copper Carbonate

CUPRIC CHLORIDE see Copper Chloride (Cupric)

CUPRIC FLUOBORATE see Copper Fluoborate

CUPRIC HYDROXIDE see Copper Hydroxide

CUPRIC NITRATE see Copper Nitrate

CUPRIC OXIDE see Copper Oxide, Black

CUPRIC RESINATE see Copper Resinate

CUPRIC STEARATE see Copper Stearate

CUPRIC SULFIDE see Copper Sulfide

CUPRICIN see Copper Cyanide (Cuprous)

CUPRON see α-Benzoinoxime

CUPROUS CHLORIDE see Copper Chloride (Cuprous)

CUPROUS LINOLEATE see Copper Linoleate

CUPROUS OXIDE see Copper Oxide, Red

CUPROUS RHODANATE see Copper Sulfocyanide

CUPROUS SULFOCYANIDE see Copper Sulfocyanide

CUPRUM see Copper

CURCUMA see Turmeric

CURRY see Turmeric

CUTCH (Gum Catechu, Cachou, Cashoo, Black Catechu, Kutch, Katechu, Japan Earth, Pegu Catechu, Terra Japonica, Gambier)—see also Mangrove Extract

Extract from wood and pods of Acacia catechu and from betel nut. Habitat—India. Comes in extract and solid form. Sol. water. Uses—mfr. protocatechuric acid, boiler compounds; as pigment and mordant in dyeing and printing textiles; tanning leather; weighting silks; staining wood; gold beating; in medicine. Grades—Rangoon; Borneo; solid; tablets; liq.

*American Dyewood Co, 285 Madison Ave, N Y
J M Baird Co, 147 Nassau St, N Y
Colony Import & Export Corp, 11 E 44 St, N Y 17
Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Meer Corp, 318 W 46 St, N Y 19

ACTIVATED ALUMINAS
CALCINED ALUMINAS
LOW SODA ALUMINAS
TABULAR ALUMINAS
HYDRATED ALUMINAS
ALUMINUM FLUORIDE
SODIUM ACID FLUORIDE

ALCOA CHEMICALS

SODIUM FLUORIDE
FLUOBORIC ACID
CRYOLITE
GALLIUM

ALUMINUM COMPANY OF AMERICA
CHEMICALS DIVISION
608 Gulf Building
Pittsburgh 19, Pa.

CUTTING COMPOUNDS

Paste compounds made with high grade oils, thoroughly saponified so that they mix readily with water. Uses—to insure a perfect and clean thread, smooth surfaces, and to keep tools clean; where pastes are more desirable than oils. See also Oils, Cutting.

*Fiske Bros Refining Co, 129 Lockwood St, Newark, N J
*Haas-Miller Corp, 4 & Bristol Sts, Phila 40, Pa
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Kall Mfg Co, 427 Moyer St, Phila 25, Pa
*Macco Products Co, 525 W 76 St, Chicago, Ill
*Murphy's Oil Soap Co, 9505 Cassius Ave, Cleveland, Ohio
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Pelron Corp, 7740 W 47 St, Lyons, Ill
*Phoenix Oil Co, 9505 Cassius Ave, Cleveland, Ohio
*G Whitfield Richards, 1732 Carlton St, Phila 3, Pa
*Rodgers Labs, 4135 S 6 St, Milwaukee 15, Wis
*Standard Oil Co, 910 S Mich Ave, Chicago 80, Ill

CYANACETAMIDE (Nitrilomalonamide, Propionamide Nitrile)

$CNCH_2CONH_2$. M.W. 84. White cryst. Sol. water, alcohol. Uses—organic and pharmaceutical syntheses.

*American-British Chem Supplies, 180 Madison Ave, N Y
Benzol Products Co, 237 South St, Newark 25, N J
*Edward S Burke, 65 Pine St, N Y
*Chem Development Corp, Endicott St, Danvers, Mass
*Kay-Fries Chem, 180 Madison Ave, N Y 16

CYANBENZENE see Benzonitrile

CYANGUANIDINE see Dicyandiamid

CYANOL see Aniline

CYANURIC CHLORIDE

$N_3C_3Cl_3$. M.W. 185. Crystalline solid. M.P. 147.8°C. B.P. 190°C. Sol. ether, benzene, acetic acid, ketones, carbon tetrachloride; reacts with water above 10°C. Uses—intermediate for dyestuffs, pharmaceuticals, plastics, resins, surface active agents.

*Bios Labs, 17 W 60 St, N Y 23
Philipp Bros Chem, 37 Wall St, N Y
Terra Chem, 801 2 Ave, N Y 17

*Company classifies itself as manufacturer or producer of this product

CYCLAMEN ALDEHYDE

*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Polak & Schwartz, 667 Washington St, N Y 14
*Verona Chem Co, 26 Verona Ave, Newark, N J

CYCLOHEXANE (Benzene Hexahydride)

C_6H_{12}. M.W. 84.16. Colorless liq. B.P. 80-81°C. Sp. gr. 0.779 at 20/4°C. Insol. water; sol. in most organic solvents. Uses—solvent; intermediate in organic synthesis.

*American Mineral Spirits Co, 155 E 44 St, N Y 17
Barclay Chem Co, 75 Varick St, N Y
Kingston Chem Co, 15 William St, N Y 5
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
*Shell Chem Corp, 50 W 50 St, N Y 20

CYCLOHEXANOL (Hexahydrophenol, Hexalin)

$C_6H_{11}OH$. M.W. 100.09. Colorless, hygroscopic liq., camphor-like odor. Sp. gr. 0.962 M.P. 23.9°C. B.P. 161.5°C. Sl. sol. water. Uses—mfr. nitrocellulose varnishes and lacquers; disinfectants, germicides and insecticides; as general solvent in chemical processes, synth. rubber, textile soaps, detergents and in deodorizing fish oil soaps; dry cleaning agent; substitute for camphor in celluloid and plastics; in preserving wood; cutting, boring, drilling and machining oils; wax and in caustic preps.; glazing leather. Grades—tech.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Bergstrom Trading Co, 233 Broadway, N Y
Chematar Inc, Exchange Pl, N Y 5
Elbert & Co, 2 Broadway, N Y
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
Kingston Chem Co, 15 William St, N Y 5
Legion Chem, 70 Wall St, N Y 5
Republic Chem Corp, 94 Beekman St, N Y 38

CYCLOHEXANOL ACETATE (Cyclohexyl Acetate)

$CH_3COOC_6H_{11}$. M.W. 142.11. Sp. gr. 0.966. B.P. 177°C. Insol. water; sol. alcohol.

American-British Chem Supplies, 180 Madison Ave, N Y
Barclay Chem Co, 75 Varick St, N Y

CYCLOHEXANONE (Ketohexamethylene)

($C_6H_{10}O$). Colorless liq., odor resembles acetone. Pounds per gal. 7.87. Sp. gr. 0.945; refract. index 1.443-1.451; B.P. 1554-156°C; Flash Point 50°C; F.P. —45°C. Sol. in water up to 5%; sol. in organic solvents, non-toxic. Uses—solvent for nitrocellulose and cellulose acetate; also resins, gums, shellac. Mfr. of shoe and metal polishes; solvent for fats, oils, waxes, crude rubber, cellulose ethers, solvent for basic dyes for lacquers; in paint removers; solvent and dispersing agent for dyes in textile dyeing; in metal degreasing.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Bergstrom Trading Co, 233 Broadway, N Y
Chematar Inc, Exchange Pl, N Y 5
Elbert & Co, 2 Broadway, N Y
Kingston Chem Co, 15 William St, N Y 5
Mutchler Chem Co, 258 Broadway, N Y 7
Republic Chem Corp, 94 Beekman St, N Y 38

CYCLOHEXANONE OXIME

$C_6H_{10}NO$. M.W. 113. White crystalline solid. Sol. ether, ethanol. Uses—intermediate; caprolactum syntheses; fuel additive.

*Bios Labs, 17 W 60 St, N Y 23
*E I Du Pont de Nemours & Co, Explosives Dept, Chem & Misc Sales Section, Wilmington 98, Del
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y

CYCLOHEXENE (Benzene Tetrahydride)

C_6H_{10}. M.W. 82.14. Colorless liq. B.P. 83.3° C. Sp. gr. 0.810°C. at 20/4°C. Insol. in water and alcohol; sol. in unsaturated cyclic hydrocarbons. Uses—special solvent; intermediate in organic synthesis.

*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

CYCLOHEXYLAMINE

$C_6H_{11}NH_2$. M.W. 99. Clear, colorless liq. B.P. 760°C. at 134.5 mm. Sp. gr. at 25°/15.6°C; 0.865 approx. Miscible with water in all proportions. Wt. per gal., 7 lbs., approx. Uses—as dyestuff intermediate, solvent emulsifying agent, insecticide, and in organic synthesis. Ship. Class.—chemicals.

*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo

CYCLOHEXATRIENE see Benzol

CYCLOHEXYL BROMIDE (Bromocyclohexane)

$C_6H_{11}Br$. M.W. 163. Colorless to sl. yellowish liq. Uses—pharmaceutical intermediate, source of cyclohexyl radical.

*Dow Chem Co, Midland, Mich
*Halogen Chem, 1505 Charlton Dr, Columbia, S C
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

CYCLOHEXYL BUTYRATE

*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Florasynth Labs, 1513 Olmstead Ave, N Y 61

CYCLOHEXYL CHLORIDE

$C_6H_{11}Cl$. M.W. 118.6. White to pale amber liquid. B.P. 143°C. Insol. water. Uses—organic and pharmaceutical synthesis.

*Dow Chem Co, Midland, Mich
*Halogen Chem, 1505 Charlton Dr, Columbia, S C

o-CYCLOHEXYLPHENOL

$(HO)C_6H_4(C_6H_{11})$. M.W. 176.25. Grayish-white crystalline solid. Phenolic odor. Sp. gr. 1.018 @ 60°/25°. M.P. 47.3—55.5. B.P. 148°C. @ 10 mm. Flash point 273.2°F. Sol. acetone, benzene, ether, carbon tetrachloride. Sl. sol. water.

*Dow Chem Co, Midland, Mich

p-CYCLOHEXYLPHENOL

$C_6H_{11}OH$. M.W. 176.1. Grayish-white fine cryst. with faint phenolic odor. B.P. 181°C./25 mm. M.P. 131°C. Sol. alcohol; insol. water. Uses—organic synthesis; phenolic resins.

*Dow Chem Co, Midland, Mich

CYCLOHEXYL STEARATE

$C_{24}H_{46}O_2$. M.W. 366.61. Sp. gr. 0.882 at 30°/15.5°C. Refractive index 1.4560 at 30°C. M.P. 26-28°C. B.P. 250-253°C. (20 m.m.), with decomposition. Pale yellow color. Sol. benzene, toluene, acetone, butylacetate, methanol. Insol. water. Uses—plasticizer for natural and synth. resins in coating compositions.

Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa

CYCLONOL

A cyclic acetate. Practically non-volatile nearly odorless, strongly hydrotropic. Lbs. per gal. 8.95: Sp. gr. 1.074; refract. index 1.474; B.P. 250°C.; Flash Point 75°C. Non-sol. in water; sol. organic solvents; non-toxic. Uses—as a plasticizer for cellulose acetate for use in lacquers and on prep. of films and sheets of this material; solvent for fats, resins, oils. Uses—in mfr. soap to produce clear water sol. combinations; increases wetting out, emulsifying and detergent properties of soap; mfr. cleaning compounds.

Bendix Chem Corp, 420 Lexington Ave, N Y
Dodge & Olcott, 180 Varick St, N Y 14
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13

CYCLOPENTANE (Pentamethylene)

C_5H_{10}. M.W. 70.1. A hydrocarbon in Russian and Caucasian petroleum. Colorless liq. M.P. 95°. B.P. 50.5°. Insol. water; sol. alcohol.

*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

CYCLOPENTANONE

C_5H_8O. M.W. 84.06. Colorless mobile liq. B.P. 125°C. at 630 mm. Uses—chemical intermediate for pharmaceutical and perfume mfr.

*Algo Chem Co, 1027 S Deacon St, Detroit, Mich
*Arapahoe Chem, 2800 Pearl St, Boulder, Col
*Bios Labs, 17 W 60 St, N Y 23
*Halogen Chem, 1505 Charlton Dr, Columbia, S C

CYCLOPENTENE

C_5H_8O. M.W. 68.1. Colorless liq., characteristic odor. Uses—organic synthesis, plastics.

*Magna Mfg Co, Haskell, N J

CYCLOPENTYL BROMIDE (Cyclopentane, bromo)

C_5H_9Br. M.W. 148.99. B.P. 137.9°C.

*Arapahoe Chem, 2800 Pearl St, Boulder, Col
*Bios Labs, 17 W 60 St, N Y 23
*Halogen Chem, 1505 Charlton Dr, Columbia, S C
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

CYCLOPROPANE (Trimethylene)

$CH_2CH_2CH_2$. M.W. 42.08. Colorless gas. M.P. 126.6. B.P. 34.4. Sol. alcohol, ether; insol. water. Uses—organic sythesis.

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Manufacturers of Organic Chemicals

CYCLO PROPANE, continued

*Thomas A Edison, P O Box 15, Stuyvesant Falls, N Y
*Liquid Carbonic Corp, 3100 S Kedzie Ave, Chicago 23, Ill
Matheson Co, Paragon Div, E Rutherford, N J
*Ohio Chem & Surgical Equipment Co, 1400 Washington Ave, Madison 10, Wis

CYMENE (Cymol, Paracymol, Isopropyltoluene, Isopropyltoluol, Paramethylpropylbenzene, Methyl-Isopropylbenzene)

$C_6H_4(CH_3)C_3H_7$. a. Ortho. b. Meta. c. Para. Sp. gr. a. 0.8748. b. 0.862. c. 0.8551. M.P. b. —25°C. c. —73.5°C. B.P. a. 157°C. b. 175.6°C. c. 176.5°C. Sol. alcohol, ether, chloroform; insol. water. Uses—mfr. intermediates and organic chemicals; as solvent in metal polishes, synth. rubber, carvarol. Grades—tech.

*Brown Co, 465 Congress St, Portland 3, Me
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa

CYMOL see Cymene

p-CYMOL see Cymene

CYSTAMIN see Hexamethylenetetramine

CYSTEINE (Amido-Thiolactic Acid, b-Mercaptoalanine, a-Amino-b-Thiol-Propionic Acid)

$C_3H_7O_2NS$. M.W. 121.13. An amino acid derived from cystine, and found in proteins and urinary calculi. White cryst. powd. Sol. water, acetic acid. The aq. soln. yields with $FeCl_3$ a deep blue color; also gives the nitroprusside reaction for sulfide.

American Quinine Co, 15 William St, N Y
American Roland Corp, 16 Hudson St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
Fallek Products Co, 163 Broadway, N Y 6
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
Kingston Chem Co, 15 William St, N Y 5
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y
*Van Camp Labs, 772 Tuna St, Terminal Is, Cal

CYSTEINE HYDROCHLORIDE

$HSCH_2CH(NH_2.HCl)COOH$. M.W. 157.59. Colorless or white cryst. Uses—in medicine.

American Quinine Co, 15 William St, N Y
American Roland Corp, 16 Hudson St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
*Fine Organics, 211 E 19 St, N Y 3
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Kingston Chem Co, 15 William St, N Y 5
*Mann Fine-Chem, 136 Liberty St, N Y 6
*Paul-Lewis Lab, 4253 N Port Washington Rd, Milwaukee, Wis
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y
*Van Camp Labs, 722 Tuna St, Terminal Is, Cal

CYSTINE

$[SCH_2CH(NH_2)COOH]_2$. M.W. 240.23. White, crystalline powd. Sl. sol. in cold, more in hot water; sol. mineral acids, alkali hydroxides; insol. alcohol.

American Quinine Co, 15 William St, N Y
American Roland Corp, 16 Hudson St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
*Fine Organics, 211 E 19 St, N Y 3
*Mann Fine-Chem, 136 Liberty St, N Y 6
*Paul-Lewis Lab, 4253 N Port Washington Rd, Milwaukee, Wis
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y
*Van Camp Labs, 722 Tuna St, Terminal Is, Cal
*Winthrop-Stearns, 1540 Broadway, N Y 18

CYSTINE HYDROCHLORIDE

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*American Quinine Co, 15 William St, N Y
American Roland Corp, 16 Hudson St, N Y
Conray Products, 510 6 Ave, N Y 11
*Fine Organics, 211 E 19 St, N Y 3
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y

CYSTOGEN see Hexamethylenetetramine

DAMMAR see Gum, Damar

DAMP-PROOFING BONDS

A high-grade asphalt, coal-tar, pitch, or some form of bitumen in such physical form that it can be brushed on walls before plastering to provide a close bond and to eliminate furring and lathing; also as a foundation coat for sub-structural work under earth filling and as a protection against moisture; as a backing for cut-stone, marble, limestone, or granite.

*Euclid Chem Co, 1534 Hayden Ave, E Cleveland 12, Ohio
*Toch Bros, 2600 Richmond Terrace, S I, N Y

DDT (Dichloro-Diphenyl-Trichloro-ethane)

$(ClC_6H_4)_2CHCCl_3$. Colorless cryst., M.P. 89°C. Sol. Freon, kerosene, hydrocarbon solvents; insol water. Technical DDT is a mixture of several isomers and reaction byproducts, although the main constituent is 2,2-bis (p-chlorophenyl)—1,1,1-trichloroethane. The M.P. is consequently dependent upon the preponderance of the latter isomer, and some military specifications call for a higher setting point. Uses—insecticide active ingredient. Grades—tech. aerosol and purified.

Adams-Henry Chem Co, 32 Broadway, N Y
Allied Raw Materials, 38 Park Row, N Y 7
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
Associated Cooperatives, 312 Montgomery Ave, Sheffield, Ala
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
*Beechem Labs, 1102 W State St, St Johns, Mich
Braun Knecht Heimann Co, 1400 16 St, San Francisco, Cal
F M Browning Co, 150 Broadway, N Y 38
*California Spray-Chem Corp, Lucas & Ortho Way, Richmond, Cal
Chapman Chem Co, 707 Dermon Bldg, Memphis, Tenn
Chematar Inc, Exchange Pl, N Y 5
Chem Insecticide Corp, 57 13 St, Bklyn 15, N Y
Chem Mfg Co, 21 West St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
*Chipman Chem Co, Bound Brook, N J
C B Coburn Co, 63 Market St, Lowell, Mass
Cole Labs, 42-25 9 St, L I C 1, N Y
Conray Products, 510 6 Ave, N Y 11
De Bear Inc, 636 11 Ave, N Y 19
Delft Co, 20 E Jackson Blvd, Chicago 4, Ill
*Desmo Chem Corp, 565 5 Ave, N Y 17
Duff Chem Co, 342 Madison Ave, N Y 17
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eastern Seaboard Supply Corp, 238 Melrose St, Bklyn 6, N Y
European Chem Co, 366 Broadway, N Y 13
Faesy & Besthoff, 325 Spring St, N Y 13
Fallek Products Co, 163 Broadway, N Y 6
Frank G Fanning, 50 E 42 St, N Y 17
Florida Agricultural Supply Co, 1611 Talleyrand Ave, Jacksonville, Fla
Fresno Agric Chem Co, P O Box 1286, Fresno, Cal
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Geigy Co, 89 Barclay St, N Y 8
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Heckathorn & Co, 641 S 4 St, Richmond 3, Cal
Howe & French Mfg Dept, E Weymouth, Mass
*Hummel Chem Co, 90 West St, N Y 6
Kipfer Chem Co, P O Box 770, Harlingen, Tex
*Kolker Chem Works, 80 Lister Ave, Newark 5, N J
Lack Chem Co, 19 Park Pl, N Y 7
Legion Chem, 70 Wall St, N Y 5
Philip A Lo Bue Co, 230 Park Ave, N Y 17
Wm E Maher, P O Box 28 Astoria Station 2, L I C, N Y
McKesson & Robbins, 155 E 44 St, N Y 17
McLaughlin Gormley King Co, 1715 S E 5 St, Minneapolis 14, Minn
Merchants Chem Co, 60 E 42 St, N Y 17
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
Miller Chem & Fertilizer Corp, 1000 S Caroline St, Baltimore 31, Md
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Montrose Chem Co, 120 Lister Ave, Newark 5, N J
Mutchler Chem Co, 258 Broadway, N Y 7
Nash Chem Co, Box 596, Belle Glade, Fla
Chas Page & Co, 50 E 42 St, N Y 17
*S B Penick & Co, 50 Church St, N Y 7
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
Philipp Bros Chem, 37 Wall St, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
*Phipps Products Corp, 30 Huntington Ave, Boston 16, Mass
Pittsburgh Plate Glass Co, Corona Chem Div, 235 E Pittsburgh Ave, Milwaukee, Wis
Prentiss Drug & Chem Co, 110 William St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
*Riverdale Chem Co, 324 E 147 St, Harvey, Ill
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Shapiro & Novick, 60 Broad St, N Y 4

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DDT, continued

Shepard Chem Corp, 117 Liberty St, N Y 6
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
George F Smith, 60 E 42 St, N Y 17
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Ben P Steele Co, 342 Madison Ave, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Thompson Horticultural Chem Corp, 2600 Conon St, Los Angeles 27, Cal
Tobacco By-Products & Chem Corp, 401 E Main St, Richmond, Va
Tuteur Bio-Chem, 60 Wall St, N Y 5
George Uhe Co, 76 9 Ave, N Y 14
Warren-Douglas Chem, 1513 Burt St, Omaha 2, Neb
Westvaco Chem Div, 405 Lexington Ave, N Y 17

DECAHYDRONAPHTHALENE (Decalin, Dekalin, Bicyclodecane)

$(C_{10}H_{18})$. A non-toxic clear water-white, colorless liq. Sp. gr. 0.877; pounds per gal. 7.41; B.P. 190°C.: Flash P. 57°C.: F.P. 10°C. Uses—solvent in paint and lacquer industries; mfr. shoe creams, floor waxes.

*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del

DECALIN see Decahydronaphthalene

DECAMETHYLENEDIBROMIDE (1,10-Dibromodecane)

$C_{10}H_{20}Br_2$. M.W. 300.1. Uses—organic syntheses.

*Bios Labs, 17 W 60 St, N Y 23
*Edcan Labs, 10-20 Pine St, S Norwalk, Conn
*Halogen Chem, 1505 Charlton Dr, Columbia, S C
*Medical Chem Corp, 4122 W Grand Ave, Chicago 51, Ill
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Sapon Labs, 543 Union St, Bklyn, N Y

DECAMETHYLENE GLYCOL (1,10-Dihydroxydecane)

$C_{10}H_{22}O_2$. M.W. 174.27. White cryst. M.P. 74°C. Uses—organic syntheses.

*Bios Labs, 17 W 60 St, N Y 23
*Edcan Labs, 10-20 Pine St, S Norwalk, Conn
*Halogen Chem, 1505 Charlton Dr, Columbia, S C
*Matheson Co, Paragon Div, E Rutherford, N J

n-DECANE

*Humphrey-Wilkinson, De Vine St, N Haven, Conn

DECAULKING COMPOUNDS

1-DECENE

*Humphrey-Wilkinson, De Vine St, N Haven, Conn

DECOLORIZERS, GLASS

Chemicals or chemical compounds used in glass batches which tend to counteract the effect of iron or other coloring elements in glass. Purpose is to neutralize any of the impurities in the batch which may give a st. tint to the glass instead of obtaining colorless glass.

n-DECYL BROMIDE

$C_{10}H_{21}Br$. M.W. 221.2. White liq. B.P. 130°C. Insol. water. Uses—organic synthesis.

*Halogen Chem, 1505 Charlton Dr, Columbia, S C
*Matheson Co, Paragon Div, E Rutherford, N J
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Sapon Labs, 543 Union St, Bklyn, N Y

DECYL CHLORIDE (1-Chlorodecane)

$C_{10}H_{21}Cl$. M.W. 176.73. Clear colorless liq. Uses—source of decyl group in organic syntheses.

DECYL MERCAPTAN

DEFECANTS, SUGAR

Uses in sugar refining to remove impurities.

*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va

DEFOAMERS, GLUE, ETC.

Products which inhibit foaming and bubbling in the mfr. of glue. Many proprietary preps. are general in character and prevent foaming in a wide variety of mfr. operations, in the making of casein, shellac, paper, coatings, latex finishes, textile finishes, leather finishes, sizes, adhesives, etc., for the purpose of eliminating specks, pinholes, etc.

*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Corning Corp, Midland, Mich
*Gallowhur Chem Corp, 801 2 Ave, N Y 17
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Paisley Products, 630 W 51 St, N Y
*Reilly-Whiteman-Walton Co, P O Box 188, Conshohocken, Pa
Welch, Holme & Clark Co, 439 West St, N Y 14
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

DEFOAMING AGENTS, TEXTILE

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Antara Products Div, 435 Hudson St, N Y 14
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
*Dexter Chem Corp, 819 Edgewater Rd, N Y 59
*Dow Corning Corp, Midland, Mich
*E F Drew & Co, 15 E 26 St, N Y 10
*Geigy Co, 89 Barclay St, N Y 8
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Laurel Soap Mfg Co, Tioga & Thompson St, Phila 34, Pa
*Linder & Co, 296 N Beacon St, Boston 35, Mass
*M Michel & Co, 90 Broad St, N Y 4
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Paisley Products, 630 W 51 St, N Y
*Reilly-Whiteman-Walton Co, P O Box 188, Conshohocken, Pa
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
Welch, Holme & Clark Co, 439 West St, N Y 14
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

DEGREASING COMPOUNDS

*Afta Solvents Corp, 470 W 128 St, N Y 27
*American Chem Service, P O Box 702, Hammond, Ind
American Firstoline Corp, 420 Lexington Ave, N Y
Antara Products Div, 435 Hudson St, N Y 14
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
Barclay Chem Co, 75 Varick St, N Y
*Bell-Ray Chem Corp, 1608 W Clybourn St, Milwaukee 3, Wis
*Buckingham Wax Co, 51-03 Van Dam St, L I C, N Y
Central O B Products Co, 1230 Genessee St, Buffalo, N Y
John A Chew, 60 E 42 St, N Y 17
Cole Labs, 42-25 9 St, L I C 1, N Y
*Columbia-Southern Corp, 5 Ave at Bellefield, Pittsburgh, Pa
Conn Metalcraft, 442 Elm St, New Haven 2, Conn
*Crystal Soap & Chem Co, 6308 State Rd, Phila 35, Pa
*Curran Corp, S Canal St, Lawrence, Mass
Dakoline Chem Co, 357 Atlantic Ave, Bklyn, N Y
Davies-Young Soap Co, 705 Albany St, Dayton 1, Ohio
*Delta Chem Works, 23 W 60 St, N Y
*Detrex Corp, P O Box 501, Detroit 32, Mich
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E F Drew & Co, 15 E 26 St, N Y 10
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Enthone Inc, 442 Elm St, New Haven, Conn
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Fiber Chem Corp, Box 218, Matawan, N J
*Fidelity Chem Products Corp, 470 Frelinghuysen Ave, Newark, N J
*Fine Organics, 211 E 19 St, N Y 3
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Haas-Miller Corp, 4 & Bristol Sts, Phila 40, Pa
Hampden Color & Chem Co, 5 Albany St, Springfield, Mass
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Huntington Labs, Huntington, Ind
Impoil Co, 228 Kearney Ave, Jersey City, N J
International Selling Corp, 70 Pine St, N Y 5
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*H Kohnstamm & Co, 811 Park Pl, N Y 7
*Magnuson Products Corp, 50 Court St, Bklyn 2, N Y
Merchants Chem Co, 60 E 42 St, N Y 17
M Michel & Co, 90 Broad St, N Y 4
*Michel & Pelton Co, 5743 Landregan St, Oakland 8, Cal
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*National Aniline Div, 40 Rector St, N Y 6
*Ninol Labs, 1719 S Clinton St, Chicago 16, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Oakite Products, 46B Thames St, N Y 6
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Park Chem Co, 8074 Military Ave, Detroit, Mich
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Sharples Chem, 123 S Broad St, Phila 9, Pa
*A J Stull & Co, 5816 Tacony St, Phila 24, Pa
*M C Thomas Co, 11 Commerce St, Norwalk, Conn
*Turco Products, P O Box 2649 Terminal Annex, Los Angeles 54, Cal
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
*Western Chem & Mfg Co, 3270 E Washington Blvd, Los Angeles 23, Cal
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J
*Zophar Mills, 116 26 St, Bklyn 32, N Y

*Company classifies itself as manufacturer or producer of this product

DEGRAS (Wool Grease, Sod Oil, Tanning Grease, Leather Grease)

Dark brown, solid amorp., disagreeable odor. Natural. Obtained by washing sheep's wool. Sp. gr. 0.9322-0.9449. Solidification point 38-40°C. Saponification No. 84-127. Iodine No. 15-21.5. Acid No. 0.5-4.3. Sol. alcohol, ether, benzol. Uses—mfr. lanolin, leather stuffing and dressing compositions, printing inks, belt dressings, varnishes, soaps. Grades—American; English; Moellen (9.V.); neutral.

S L Abbot Co, 135 King St, San Francisco 7, Cal
*American Lanoline Corp, 13 Railroad St, Lawrence, Mass
Barclay Chem Co, 75 Varick St, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
Chem Mfg Co, 21 West St, N Y
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
Elbert & Co, 2 Broadway, N Y
Faesy & Besthoff, 325 Spring St, N Y 13
Frank G Fanning, 50 E 42 St, N Y 17
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
C L Hueston Co, 1998 Glendale Ave, Detroit 6, Mich
*Hummel Chem Co, 90 West St, N Y 6
*Lanaetex Products, Box 52 Sta A, Elizabeth, N J
N I Malmstrom & Co, 147 Lombardy St, Bklyn 22, N Y
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Alan D Oppenheimer, 578 Exchange St, Buffalo 10, N Y
Phoenix Oil Products Corp, 199 Pacific St, Newark, N J
Walter A Reinicke, 549 W Washington Blvd, Chicago 6, Ill
*Robinson, Wagner Co, 110 E 42 St, N Y 17
*Thomas J Shields Co, 11 Water St, N Y 4
Stevenson Bros & Co, 110 Race St, Phila 6, Pa
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Arthur C Trask Co, 4103 S La Salle St, Chicago 9, Ill
Welch, Holme & Clark Co, 439 West St, N Y 14

DEGRAS, MOELLON

Grease by-product from tanning chamois leather. Varying constants. Uses—stuffing leather, belt dressing, tanning. Grades—anhydrous, 20, 30, 35% water.

Harvey J Boutin & Son, 7 Front St, San Francisco 11, Cal
Frank G Fanning, 50 E 42 St, N Y 17
*Fiber Chem Corp, Box 218, Matawan, N J
F J Heap & Son, 65 High St, Boston, Mass
Hummel Chem Co, 90 West St, N Y 6
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Phoenix Oil Products Corp, 199 Pacific St, Newark, N J
Republic Chem Corp, 94 Beekman St, N Y 38
*Robinson, Wagner Co, 110 E 42 St, N Y 17
Welch, Holme & Clark Co, 439 West St, N Y 14

DEGUMMERS, SILK

Specially formulated compounds used with or without soap to remove natural gum, wax, dirt, and foreign material found in natural silk yarns. See Boil-Off Compounds, Textile; Detergents, Textile.

Antara Products Div, 435 Hudson St, N Y 14
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Fabric Chem Co, 61 Cornelison Ave, Jersey City 4, N J
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*National Aniline Div, 40 Rector St, N Y 6
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
Wallerstein Co, 180 Madison Ave, N Y 16
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

DEHAIRING COMPOUNDS

Preps. used by meat packers for dehairing hogs.

*E I Du Pont de Nemours & Co, Grasselli Chem Dept. Wilmington, Del
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Merchants Chem Co, 60 E 42 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*National Aniline Div, 40 Rector St, N Y 6
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Wallerstein Co, 180 Madison Ave, N Y 16
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J
*Zophar Mills, 116 26 St, Bklyn 32, N Y

DEHYDRATING AGENTS

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
*Floridin Co, 200 Liberty St, Warren, Pa
*W A Hammond Drierite Co, 120 Dayton Ave, Xenia, Ohio
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
B Rauschkolb & Co, 225 W 34 St, N Y 1
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

MALMSTROM NIMCO WOOL FAT & LANOLIN

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Common, Neutral, Fatty Acids
LANOLIN
Anhydrous, U.S.P., Hydrous, U.S.P.
Technical Absorption Base

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147 Lombardy St., Brooklyn 22, N. Y.
612 N. Michigan Ave., Chicago 11, Ill.

DE-ICING FLUID

C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 7
*Fine Organics, 211 E 19 St, N Y 3
Merchants Chem Co, 60 E 42 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*U S Industrial Chem, 60 E 42 St, N Y

DE KALIN see Decahydronaphthalene

DELUSTRANTS

Products which remove or decrease the "sheen" or metallic lustre of rayon so that the goods will have a duller, more silk-like appearance.

*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Ciba Co, 627 Greenwich St, N Y 14
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
*Dexter Chem Corp, 819 Edgewater Rd, N Y 59
*E I Du Pont de Nemours & Co, Organic Chem Dept. Fine Chem Div, Wilmington 98, Del
*Emkay Chem Co, 319 2 St, Elizabeth 1, N J
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Scher Bros, 519 Getty Ave, Clifton, N J
*Scholler Bros, Collins & Westmoreland Sts, Phila 34, Pa
*Tex-Chem Co, 20-21 Wagaraw Rd, Fairlawn, N J
*Warwick Chem Co Div, Wood River Junction, R I
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

DEMULSIFIERS

*Alrose Chem Co, 180 Mill St, Cranston 5, R I
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Antara Products Div, 435 Hudson St, N Y 14
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Ninol Labs, 1719 S Clinton St, Chicago 16, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Sinclair Refining Corp, 600 5 Ave, N Y 18

DENATURANTS, ALCOHOL

Chemicals specified by the Bureau of Internal Revenue, U. S. Treasury Dept., to be added to ethyl alcohol, sold tax free for industrial purposes, to render it unpotable. A number of denaturing formulas are approved by the Bureau to meet particular manufacturing requirements. Complete data are available from the Bureau or from the industrial alcohol producers.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*American Mineral Spirits Co, 155 E 44 St, N Y 17
*Aromatic Products, 15 E 30 St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Celanese Corp of America, 180 Madison Ave, N Y 16
Dodge & Olcott, 180 Varick St, N Y 14
*Ford Motor Co, 300 Schaefer Rd, Dearborn, Mich
Wm S Gray & Co, 342 Madison Ave, N Y 17
*Kay-Fries Chem, 180 Madison Ave, N Y 16
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
McKesson & Robbins, 155 E 44 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
Republic Chem Corp, 94 Beekman St, N Y 38
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Tennessee Eastman Co, 10 E 40 St, N Y 16
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn

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DEODORANTS

*Aromatic Products, 15 E 30 St, N Y
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*Barco Chem Products Co, 701 S LaSalle St, Chicago, Ill
*Central Illinois Labs, 1801 S Washington St, Peoria, Ill
Cole Labs, 42-25 9 St, L I C 1, N Y
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Compagnie Parento, 68 Brook St, Croton-On-Hudson, N Y
*Damon Chem Co, 527 E Cambridge St, Alliance, Ohio
Dodge & Olcott, 180 Varick St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Fine Organics, 211 E 19 St, N Y 3
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
Forty-Four Trinity Pl Corp, 44 Trinity Pl, N Y 6
*Fritzsche Bros, 76 9 Ave, N Y 11
*Fuld Bros, 702 S Wolfe St, Baltimore 31, Md
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Gunning & Gunning, 601 W 26 St, N Y 1

*Company classifies itself as manufacturer or producer of this product

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DEODORANTS, continued

*Huntington Labs, Huntington, Ind
*Hysan Products Co, 932 W 38 Pl, Chicago 9, Ill
*Industrial Colloids & Chem, 127 W Jackson Ave, Knoxville 11, Tenn
*C E Ising Corp, 133-24 41 Ave, Flushing, N Y
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
McCann Chem Co, 712 W Jefferson St, Louisville, Ky
*National Chem Co, 1506 Industrial St, Los Angeles 21, Cal
*Oakite Products, 46B Thames St, N Y 6
*Old Empire Mfg Chemists, 31-33 Coes Pl, Newark 2, N J
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
Phillips Scientific Labs, 23 E Garden Terrace, N Arlington, N J
Plunkett Chem Co, 3500 S Morgan St, Chicago 9, Ill
George B Robbins Disinfectant Co, 42-44 Carleton St, Cambridge, Mass
*Rosco Labs, 367 Hudson Ave, Bklyn 1, N Y
*Rubber Asphalt Oil & Mining Corp, 1833 Marney Ave, Los Angeles 32, Cal
*Sindar Corp, 330 W 42 St, N Y 18
H V Smith & Co, 1910 University Ave, St Paul 4, Minn

DEODORANTS, continued

*Solvay Sales Div, 40 Rector St, N Y 6
*Uncle Sam Chem Co, 575 W 131 St, N Y 27
*U S Sanitary Specialties Corp, 1001 S California Ave, Chicago 12, Ill
*Van Dyk & Co, Main & William Sts, Belleville, N J
*West Va Pulp & Paper Co, 230 Park Ave, N Y 17
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*Wyandotte Chem Corp, J B Ford Div, Wyandotte, Mich

DEODORANTS, EMBALMING FLUIDS

Essential oils and special aromatic chemical formulations employed to eliminate by-odors in modern embalming fluids.

*Aromatic Products, 15 E 30 St, N Y
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Fine Organics, 211 E 19 St, N Y 3
*Forty-Four Trinity Pl Corp, 44 Trinity Pl, N Y 6
*Fritzsche Bros, 76 9 Ave, N Y 11
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*C E Ising Corp, 133-24 41 Ave, Flushing, N Y
Phillips Scientific Labs, 23 E Garden Terrace, N Arlington, N J
*Van Ameringen Haebler, 521 W 57 St, N Y 19



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LONDON PARIS

DEODORANTS, GLUE

Preps. used to disguise the characteristic odor of glues.

*Aromatic Products, 15 E 30 St, N Y
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Forty-Four Trinity Pl Corp, 44 Trinity Pl, N Y 6
*Fritzsche Bros, 76 9 Ave, N Y 11
*C E Ising Corp, 133-24 41 Ave, Flushing, N Y
Phillips Scientific Labs, 23 E Garden Terrace, N Arlington, N J
*Sindar Corp, 330 W 42 St, N Y 18
*Van Ameringen Haebler, 521 W 57 St, N Y 19

DEODORANTS, INK

Products which neutralize the disagreeable odor of fresh printing ink and instead impart a pleasing smell.

*Aromatic Products, 15 E 30 St, N Y
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Forty-Four Trinity Pl Corp, 44 Trinity Pl, N Y 6
Fritzsche Bros, 76 9 Ave, N Y 11
Phillips Scientific Labs, 23 E Garden Terrace, N Arlington, N J
*Sindar Corp, 330 W 42 St, N Y 18
*Van Ameringen Haebler, 521 W 57 St, N Y 19

DEODORANTS, LEATHER

Usually blends of aromatic compounds used chiefly to hide or disguise unpleasant odors of finishing compounds in specialty leather goods, such as wearing apparel accessories. Some types duplicate the distinctive odor of special leathers (as Morocco) in instances where this lends sales appeal.

*Aromatic Products, 15 E 30 St, N Y
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Forty-Four Trinity Pl Corp, 44 Trinity Pl, N Y 6
*C E Ising Corp, 133-24 41 Ave, Flushing, N Y
Phillips Scientific Labs, 23 E Garden Terrace, N Arlington, N J
*Sindar Corp, 330 W 42 St, N Y 18

DEODORANTS, PAINT

Aromatic chemical compounds that modify or improve the characteristic objectionable odors of solvents and the products of oxidation in drying paint films.

*Aromatic Products, 15 E 30 St, N Y
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
E M Laning Co, 433 Stuyvesant Ave, Irvington 11, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Perry Bros, 220 Flushing Ave, Bklyn 5, N Y
Phillips Scientific Labs, 23 E Garden Terrace, N Arlington, N J
*Sindar Corp, 330 W 42 St, N Y 18
*Van Ameringen Haebler, 521 W 57 St, N Y 19

DEODORANTS, PAPER

Products which supply a pleasant odor to various papers intended for consumer use.

*Aromatic Products, 15 E 30 St, N Y
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Forty-Four Trinity Pl Corp, 44 Trinity Pl, N Y 6
*C E Ising Corp, 133-24 41 Ave, Flushing, N Y
*Perry Bros, 220 Flushing Ave, Bklyn 5, N Y
Phillips Scientific Labs, 23 E Garden Terrace, N Arlington, N J
*Sindar Corp, 330 W 42 St, N Y 18

DEODORANTS, PYROXYLIN

Products employed to disguise the characteristic odor of Celluloid, Pyroxylin and other cellulose consumer products.

*Aromatic Products, 15 E 30 St, N Y
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Forty-Four Trinity Pl Corp, 44 Trinity Pl, N Y 6
*Sindar Corp, 330 W 42 St, N Y 18

DEODORANTS, RUBBER

Aromatic compounds or essential oils or combinations of both generally incorporated during the milling operation, to mask characteristic odor of cured rubber: used chiefly in drug sundries, rain coatings, rubber shoes, and various types of rubber goods used in the home or on the person. Impart a more pleasing odor to finished goods, increasing consumer appeal.

*Aromatic Products, 15 E 30 St, N Y
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Forty-Four Trinity Pl Corp, 44 Trinity Pl, N Y 6
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*C E Ising Corp, 133-24 41 Ave, Flushing, N Y
*Perry Bros, 220 Flushing Ave, Bklyn 5, N Y
Phillips Scientific Labs, 23 E Garden Terrace, N Arlington, N J
*Sindar Corp, 330 W 42 St, N Y 18
R S Vanderbilt Co, 230 Park Ave, N Y

*Company classifies itself as manufacturer or producer of this product

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DEODORANTS, TEXTILE

Antara Products Div, 435 Hudson St, N Y 14
*Aromatic Products, 15 E 30 St, N Y
*Cidex Corp, 85 Franklin St, Jersey City, N J
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Forty-Four Trinity Pl Corp, 44 Trinity Pl, N Y 6
*Perry Bros, 220 Flushing Ave, Bklyn 5, N Y
Phillips Scientific Labs, 23 E Garden Terrace, N Arlington, N J
*Sindar Corp, 330 W 42 St, N Y 18
*Van Ameringen Haebler, 521 W 57 St, N Y 19

DEPURATED TARTAR see Potassium Bitartrate

DERBYSHIRE SPAR see Fluorspar

DERRIS

Leaves of Derris uliginosa, found in the South Sea Islands. Contains tubatoxin and a series of acid resins which make it poisonous to lower forms of life but not to human beings. Uses as a base for mfr. of insecticides, sprays, etc.

*Alrose Chem Co, 180 Mill St, Cranston 5, R I
*American Quinine Co, 15 William St, N Y
P S Busschaert, 116 John St, N Y
Dalton-Cooper, 200 W 34 St, N Y
*Derris Inc, 120 Wall St, N Y 5
Greene Trading Co, 60 Wall St, N Y 5
Kingston Chem Co, 15 William St, N Y 5
*S B Penick & Co, 50 Church St, N Y 7
*John Powell & Co, 1 Park Ave, N Y 16
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
*U S Industrial Chem, 60 E 42 St, N Y

DESIZING AGENTS

Sizes of the gelatine, glue, gum, oil, wax, paraffin, or starch variety, must be removed from fabrics before dyeing. Certain of these can be emulsified and removed by washing with a suitable detergent. Starch must be converted into a water-sol. compound and this is done with enzymatic products, which digest the starch, converting it into maltose. Other desizing agents are of the solvent type. See also Enzymatic Preps.

Antara Products Div, 435 Hudson St, N Y 14
Cole Labs, 42-25 9 St, L I C 1, N Y
*Emkay Chem Co, 319 2 St, Elizabeth 1, N J
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Scher Bros, 519 Getty Ave, Clifton, N J
Seaboard Industries, 195 Keen St, Paterson, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Standard Brands, 595 Madison Ave, N Y 22
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Takamine Lab, 193 Arlington Ave, Clifton, N J
Wallerstein Co, 180 Madison Ave, N Y 16
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

DESIZING DETERGENTS, BUILDERS'

*H Kohnstamm & Co, 83 Park Pl, N Y 7

DESOXYEPHEDRINE (N-Methyl-b-Phenylisopropylamine, N-Methylamphetamine, 2-Methylamino-1-Phenylpropane)

$C_6H_5CH_2CH(NHCH_3)CH_3$. M.W. 149.23. B.R. 209-215°C. Uses—pharmaceutical.

*Arenol Chem Corp, 40-33 23 St, L I C 1, N Y

DESOXYEPHEDRINE (continued)

Bendix Chem Corp, 420 Lexington Ave, N Y
*Edward S Burke, 65 Pine St, N Y
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
*Desmo Chem Corp, 565 5 Ave, N Y 17
*Fallek Products Co, 163 Broadway, N Y 6
*Gane & Ingram, 43 W 16 St, N Y 11
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Lamex Chem Corp, 25 Broadway, N Y 4
Mayco Chem Co, 5 Union Sq W, N Y 3
*Purocaine Inc, Hockessin, Del
*Sumner Chem Co, 6 E 45 St, N Y 17
*Tru-Synthetics, 44-30 Purvis St, L I C 1, N Y

DESSICANTS

Drying agents used to remove moisture or dehydrate gases, solids, or liq.; utilized in the laboratory for the drying of gases and liq. by direct action (contact) and for the drying of solids (and liq.) by indirect action (through the intermediary of a gas, liq., or an evacuated space).

*Attapulgus Clay Co, 210 W Washington Sq, Phila, Pa
City Chem Corp, 132 W 22 St, N Y 11
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
*Floridin Co, 200 Liberty St, Warren, Pa
*Gen Reduction Co, 1820 Roscoe St, Chicago 13, Ill
*W A Hammond Drierite Co, 120 Dayton Ave, Xenia, Ohio
Howe & French Mfg Dept, E Weymouth, Mass
Innis, Speiden & Co, 117 Liberty St, N Y 6
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*Reynolds Metals Co, 19 E 47 St, N Y 17
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio
*Solvay Sales Div, 40 Rector St, N Y 6
*A J Stull & Co, 5816 Tacony St, Phila 24, Pa
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

DESICCANTS

For A Wide Range Of Industrial Uses

See list of Floridin products in "Company Directory" section

See also Floridin entry under "Adsorbents"

FLORIDIN COMPANY

DEPT. L, 220 LIBERTY ST.
WARREN, PA.

DETERGENTS

Various materials that aid in removing undesirable substances from the surface to be cleaned.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
Alconox Inc, 62 Cornelison Ave, Jersey City 4, N J
*Alrose Chem Co, 180 Mill St, Cranston 5, R I
American Firstoline Corp, 450 Lexington Ave, N Y
*An-Fo Mfg Co, Elmwood Ave, Oakland 1, Cal
Antara Products Div, 435 Hudson St, N Y 14
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Atlantic Chem Co, 2072 Smith St, Centredale, R I
*Atlantic Refining Co, 260 S Broad St, Phila, Pa
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Barton Chem Co, 3909-11 S Langley Ave, Chicago 15, Ill
*Beechem Labs, 1102 W State St, St Johns, Mich
*Biofen Labs, 14 6 St, Bridgeport 7, Conn
*Frank J Breen, 5340 S Maryland Ave, Chicago, Ill
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
*Burns Allen Co, 58 Pearl St, Buffalo, N Y
Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
*Ciba Co, 627 Greenwich St, N Y 14
Cole Labs, 42-25 9 St, L I C 1, N Y
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J

*Company classifies itself as manufacturer or producer of this product

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SANTOMERSE No. 1
ALL-PURPOSE DETERGENT AND WETTING AGENT

A synthetic detergent with a minimum of 40% active alkyl aryl sulfonate, the remainder being principally inorganic builders. Widely used in textile industry for scouring and penetration . . . in other industrial processes as cleaner, emulsifier and wetting agent . . . in compounding household, industrial and dairy cleaners. Write for booklet.

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Phosphate Division
St. Louis 4, Missouri
Santomerse: Reg. U. S. Pat. Off.

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SYNTHETIC CHEMICALS, INC.
MANUFACTURERS OF
SURFACE TENSION CHEMICALS, PROCESSING SPECIALTIES FOR TEXTILES AND PLASTICS PRODUCTS FOR TEXTILES

Penetrating Agents
Tensols & Intramines

Dispersing Agents
Intrals, 224-229-384
Tensols, Janusol
Azocel B

Softeners
Intracol, Softener FG
Negamine 142A

Carbonizing
Tensols

Scouring Agents
Intramines

Leveling Agents
Tensols, Intramines,
Intracols, Intrals
Azocel B

Lubricating
Intracol
Negamine 142A

Emulsifying
Intracols, Mulsors

PRODUCTS FOR SYNTHETIC FINISHES
SOTEX N—for water dispersible pigment paste
SOTEX NC—for lacquers and coating materials
SOTEX 3CW—for dispersion organic and inorganic pigments
SOTEX C—for soft textured pigments
SOTEX C, SOTEX NC, SOTEX 3CW—for alkyds modified phenolics and melamines
SOTEX 3CW, SOTEX CW—for vapo set vehicles or glycol resins
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ATLANTIC PETROLEUM CHEMICALS

THE ATLANTIC REFINING COMPANY, CHEMICAL PRODUCTS SECTION, 260 S. Broad St., Philadelphia 1, Pa.

DETERGENTS, continued

*Commonwealth Color & Chem Co, 3240 Grace Ave, Bronx 67, N Y
*Cowles Chem Co, 7016 Euclid Ave, Cleveland 3, Ohio
*Damon Chem Co, 527 E Cambridge St, Alliance, Ohio
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
*Detrex Corp, P O Box 501, Detroit 32, Mich
*Dexter Chem Co, 819 Edgewater Rd, N Y 59
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*Diversey Corp, 1820 Roscoe St, Chicago, Ill
*E F Drew & Co, 15 E 26 St, N Y 10
Duff Chem Co, 342 Madison Ave, N Y 17
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Fabric Chem Co, 61 Cornelison Ave, Jersey City 4, N J
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Finger Lakes Chem Co, Etna, N Y
*Foster Finishing Products Co, Hope St, & Montgomery Ave, Phila, Pa
*Gallowhur Chem Corp, 801 2 Ave, N Y 17
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
Hughes Chem Supply Co, 1411 Fleet St, Baltimore, Md
*Industrial Colloids & Chem, 127 W Jackson Ave, Knoxville 11, Tenn
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*Kem Labs, 101 E 144 St, Bronx 51, N Y
*Kemiko Mfg Co, 500 Chancellor Ave, Irvington 11, N J
E & F King & Co, 640 Pleasant St, Norwood, Mass
*H Kohnstamm & Co, 83 Park Pl, N Y 7
Legrand Chem Corp, 103 50 St, Bklyn 32, N Y
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
McCann Chem Co, 712 W Jefferson St, Louisville, Ky
Edward Mendell Co, 24 W 45 St, N Y 19
Merchants Chem Co, 60 E 42 St, N Y 17
*L Carlton Mertz Co, 1638 S Normal Ave, Chicago 16, Ill
M Michel & Co, 90 Broad St, N Y 4
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Milwaukee Chem Co, 204 N Broadway, Milwaukee, Wis
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo

*Company classifies itself as manufacturer or producer of this product

DETERGENTS, continued

*National Aniline Div, 40 Rector St, N Y 6
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Oakite Products, 46B Thames St, N Y 6
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Oronite Chem Co, 38 Sansome St, San Francisco, Cal
*Pennsylvania Detergents Co, 2238 N Philip St, Phila 33, Pa
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
Phoenix Oil Products Corp, 199 Pacific St, Newark, N J
*Port Huron Detergent Co, 1320 2 St, Port Huron, Mich
*Protean Chem Corp, 150 Nassau St, N Y 38
Riesers Chem Corp, 418 W Vliet St, Milwaukee 12, Wis
*Rohm & Haas Co, Washington Sq, Phila, Pa
*Science Industries, 609-15 Geyer Ave, St Louis 4, Mo
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Solvay Sales Div, 40 Rector St, N Y 6
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
*Stepan Chem Co, 1353 N Branch St, Chicago 22, Ill
*A J Stull & Co, 5816 Tacony St, Phila 24, Pa
Superior Products Co, 148-148A Pearl St, Somerville, Mass
*Synthetic Chem, 335 McLean Blvd, Paterson 4, N J
*Synthron Inc, Ashton, R I
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Turco Products, P O Box 2469 Terminal Annex, Los Angeles 54, Cal
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Van Dyk & Co, Main & William Sts, Belleville, N J
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Washine-National Sands, 37—02 Northern Blvd, L I C 1, N Y
Welch, Holme & Clark Co, 439 West St, N Y 14
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich
*Zophar Mills, 116 26 St, Bklyn 32, N Y

DETERGENTS, HOUSEHOLD

Alconox Inc, 82 Cornelison Ave, Jersey City 4, N J
*An-Fo Mfg Co, Elmwood Ave, Oakland 1, Cal
*Antara Products Div, 435 Hudson St, N Y 14
*Atlantic Chem Co, 2072 Smith St, Centredale, R I
*Barton Chem Co, 3909-11 S Langley Ave, Chicago 15, Ill
*Biofen Labs, 14 6 St, Bridgeport 7, Conn

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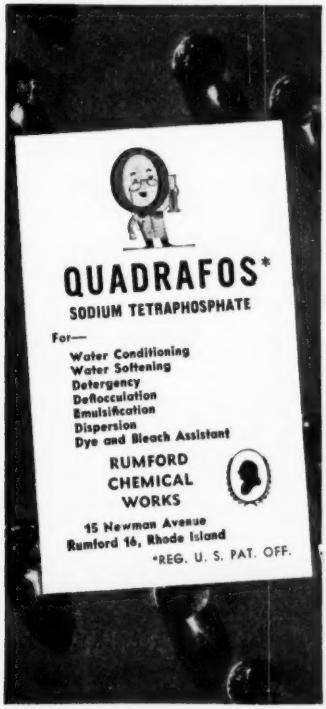
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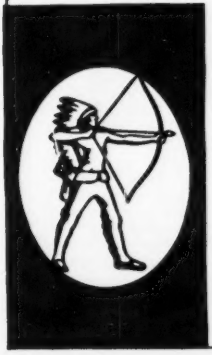
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KREELON 4D . . . *40% synthetic detergent flake*

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Kreelon* is an efficient synthetic detergent and wetting agent. It *penetrates, spreads, emulsifies, disperses and cleans as it wets.* Its great value lies in its ability to function well in acid, alkaline or neutral solutions, and in hard or soft waters — either alone or in solutions and dry mixes with a great number of other chemicals.

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Oleum, 20%
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Sodium Metasilicate
Sodium Tripoly Phosphate
Sodium Silicate
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TEXTILES • LAUNDERING • METAL CLEANING • PAPER • COSMETICS
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FREE! New 1951 Handy Soap Buying Guide. Tells you the right soap for every purpose. Write our Industrial Department.

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The Houghton Line of synthetic detergents for scouring, wetting and cleansing, in liquid or flake form.
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DETERGENTS, HOUSEHOLD, continued

*Ciba Co, 627 Greenwich St, N Y 14
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Crescent Chem Corp, 450 Market St, Perth Amboy, N J
Curley Co, 1432 N Randolph St, Phila 22, Pa
*E F Drew & Co, 15 E 26 St, N Y 10
Fels & Co, 73 & Woodland Ave, Phila 42, Pa
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Foster Finishing Products Co, Hope St & Montgomery Ave, Phila, Pa
*Gallowhur Chem Corp, 801 2 Ave, N Y 17
*Harsyd Chem, Holland, Mich
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*H Kohnstamm & Co, 83 Park Pl, N Y 7
M Michel & Co, 90 Broad St, N Y 4
*Milwaukee Chem Co, 204 N Broadway, Milwaukee, Wis
*Miranol Chem Co, 16 Melville Pl, Irvington 11, N J
Moore & Son, 4402 E Poe St, Tucson, Ariz
*National Aniline Div, 40 Rector St, N Y 6
Old Empire Mfg Chemists, 31-33 Coes Pl, Newark 2, N J
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Port Huron Detergent Co, 1320 2 St, Port Huron, Mich
*Rumford Chem Works, Rumford, R I
*Ultra Chem Works, 2 Wood St, Paterson 4, N J

DETERGENTS, NON IONIC

*Alrose Chem Co, 180 Mill St, Cranston 5, R I
*Amalgamated Chem Corp, Rorer & Ontario Sts, Phila 34, Pa
*Antara Products Div, 435 Hudson St, N Y 14
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
Curley Co, 1432 N Randolph St, Phila 22, Pa
*Dexter Chem Corp, 819 Edgewater Rd, N Y 59
*E F Drew & Co, 15 E 26 St, N Y 10
*Eastern Color & Chem Co, 137 Canal St, Providence, R I
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Fiber Chem Corp, Box 218, Matawan, N J
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
M Michel & Co, 90 Broad St, N Y 4
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Vinol Labs, 1719 S Clinton St, Chicago 16, Ill
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
Phoenix Oil Products Corp, 199 Pacific St, Newark, N J
*Pioneer Salt Co, 940 N Delaware Ave, Phila, Pa
*Rohm & Haas Co, Washington Sq, Phila, Pa
*Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J
*Sharples Chem, 123 S Broad St, Phila 9, Pa
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Synthetic Chem, 335 McLean Blvd, Paterson 4, N J
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
Welch, Holme & Clark Co, 439 West St, N Y 14
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

DETERGENTS, SYNTHETIC

*Alconox Inc, 61-63 Cornelison Ave, Jersey City 4, N J
*Alrose Chem Co, 180 Mill St, Cranston 5, R I
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*An-Fo Mfg Co, Elmwood Ave, Oakland 1, Cal
*Antara Products Div, 435 Hudson St, N Y 14
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Atlantic Refining Co, 260 S Broad St, Phila, Pa
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
S H Bell Co, 1514 Oliver Bldg, Pittsburgh 22, Pa
*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Frank J Breen, 5340 S Maryland Ave, Chicago, Ill
*Burkart-Schier Chem Co, Chestnut St at 13, Chattanooga 2, Tenn
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Carlstadt Chem Co, Carlstadt, N J
*Central Illinois Labs, 1801 S Washington St, Peoria, Ill
Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
*Ciba Co, 627 Greenwich St, N Y 14
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
Continental Chem Co, 195 21 Ave, Paterson, N J
*Cowles Chem Co, 7016 Euclid Ave, Cleveland 3, Ohio
Curley Co, 1432 N Randolph St, Phila 22, Pa
*Damon Chem Co, 527 E Cambridge St, Alliance, Ohio
*Dexter Chem Corp, 819 Edgewater Rd, N Y 59
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio

*Company classifies itself as manufacturer or producer of this product

DETERGENTS, SYNTHETIC, continued

*E F Drew & Co, 15 E 26 St, N Y 10
Duff Chem Co, 342 Madison Ave, N Y 17
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
Mitchell Fels, 274 E Ashmead St, Box 4270, Phila 44, Pa
Fels & Co, 73 & Woodland Ave, Phila 42, Pa
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Fiber Chem Corp, Box 218, Matawan, N J
*Gallowhur Chem Corp, 801 2 Ave, N Y 17
*Gerson Stewart Corp, Lisbon Rd, Cleveland 4, Ohio
Harwick Standard Chem Co, 60 Seiberling St, Akron, Ohio
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*Kearny Mfg Co, Box 61, Kearny, N J
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*King Chem Co, 31 New Haven Railroad St, Mt Vernon, N Y
*H Kohnstamm & Co, 83 Park Pl, N Y 7
Lewis Chem Co, 400 Northampton St, Boston 18, Mass
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*Maywood Chem Works, Maywood, N J
*Mellin Chem, 45 N Broad St, Ridgewood, N J
Merchants Chem Co, 60 E 42 St, N Y 17
M Michel & Co, 90 Broad St, N Y 4
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Miranol Chem Co, 16 Melville Pl, Irvington 11, N J
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
*National Aniline Div, 40 Rector St, N Y 6
*Ninol Labs, 1719 S Clinton St, Chicago 16, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
*Oronite Chem Co, 38 Sansome St, San Francisco, Calif
Pennsylvania Detergents Co, 2238 N Philip St, Phila 33, Pa
*Pioneer Salt Co, 940 N Delaware Ave, Phila, Pa
*Port Huron Detergent Co, 1320 2 St, Port Huron, Mich
*Protean Chem Corp, 150 Nassau St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J
*Scher Bros, 519 Getty Ave, Clifton, N J
Seaboard Industries, 195 Keen St, Paterson, N J
*Sharples Chem, 123 S Broad St, Phila 9, Pa
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Solvay Sales Div, 40 Rector St, N Y 6
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Stepan Chem Co, 1353 N Branch St, Chicago 22, Ill
*Synthetic Chem, 335 McLean Blvd, Paterson 4, N J
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
*Universal Chem Co, 30 Huntington Ave, Boston, Mass
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Van Dyk & Co, Main & William Sts, Belleville, N J
*Verona Chem Co, 26 Verona Ave, Newark, N J
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
*Warwick Chem Co Div, Wood River Junction, R I
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
*Watson-Park Co, Ballardvale, Mass
Welch, Holme & Clark Co, 439 West St, N Y 14
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

DETERGENTS, TEXTILE

Specially formulated compounds prepared for cleansing textiles. Each type of textile fibre presents its own special problem. Textiles are washed at various stage of mfr. In recent years advances have been made in studying the peculiar requirements at each stage and in the accurate control of pH values, etc. Scientifically prepared products help to preserve tensile strength, provide better resistance to abrasive action, give whiter colors, assist in penetration of dyes, more level shades, etc.

*Alrose Chem Co, 180 Mill St, Cranston 5, R I
*Amalgamated Chem Corp, Rorer & Ontario Sts, Phila 34, Pa
*Antara Products Div, 435 Hudson St, N Y 14
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Atlantic Chem Co, 2072 Smith St, Centredale, N Y
*Atlantic Refining Co, 260 S Broad St, Phila, Pa
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*Berkshire Color & Chem Corp, 42-44 Hampden St, Springfield, Mass
*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Bryant Chem Corp, 6 North St, N Quincy, Mass
*Ciba Co, 627 Greenwich St, N Y 14
Cidex Corp, 85 Franklin St, Jersey City, N J
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
*E F Drew & Co, 15 E 26 St, N Y 10
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Emkay Chem Co, 319 2 St, Elizabeth 1, N J
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Essential Chem Co, 2200 N 32 St, Milwaukee, Wis

SYNTHETIC DETERGENTS
EMULSIFYING AGENTS
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Detergents available for acid or alkaline mixtures, liquids, solids, and all types of products requiring a high degree of detergent action. Our laboratory is prepared to render complete technical assistance.

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Manufacturing Chemists & Importers
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*Company classifies itself as manufacturer or producer of this product



TEXTILE DETERGENTS

PYROTEX
Neutral synthetic detergent for scouring and dyeing

DETERSOL
For boil-off and scouring

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surface-active agents
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DETERGENTS, TEXTILE, continued

*Fabric Chem Co, 61 Cornelison Ave, Jersey City 4, N J
*Foster Finishing Products Co, Hope St & Montgomery Ave, Phila, Pa
*Geigy Co, 89 Barclay St, N Y 8
*Haas-Miller Corp, 4 & Bristol Sts, Phila 40, Pa
*A Harrison & Co, P O Box 494, Pawtucket, R I
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*Kearny Mfg Co, Box 61, Kearny, N J
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Lanatex Chem Co, 49 Westminster St, Providence, R I
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*Maywood Chem Works, Maywood, N J
Merchants Chem Co, 60 E 42 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
M Michel & Co, 90 Broad St, N Y 4
*National Aniline Div, 40 Rector St, N Y 6
*Ninol Labs, 1719 S Clinton St, Chicago 16, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Oronite Chem Co, 38 Sansome St, San Francisco, Cal
*Pennsylvania Detergents Co, 2238 N Philip St, Phila 33, Pa
*Perkins Soap Co, 210 Albany St, Springfield, Mass
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Pioneer Salt Co, 940 N Delaware Ave, Phila, Pa
*Protean Chem Corp, 150 Nassau St, N Y 38
*Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J
*Rumford Chem Works, Rumford, R I
Sagamore Color & Chem Co, 178 Purchase St, Boston 10, Mass
*Sandoz Chem Works, 61 Van Dam St, N Y 133
*Wm J Schepp Co, 21-23 Summit Ave, E Paterson, N J
*Scher Bros, 519 Getty Ave, Clifton, N J
*Schollar Bros, Collins & Westmoreland Sts, Phila 34, Pa
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Silk City Chem Co, 200 Carlisle Ave, Paterson 1, N J
*Solvay Sales Div, 40 Rector St, N Y 6
*Southern Textile Chem Corp, 1407 Broadway, N Y 18
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
*Synthetic Chem, 335 McLean Blvd, Paterson 4, N J
*Synthron Inc, Ashton, R I
*Tex-Chem Co, 20-21 Wagaraw Rd, Fairlawn, N J
*Titan Chem Products, Mill Rd & Wayne St, Jersey City, N J
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
*Warwick Chem Co Div, Wood River Junction, R I
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
*Watson-Park Co, Ballardvale, Mass
Welch, Holme & Clark Co, 439 West St, N Y 14
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

DETONATORS

*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
National Powder Co, Eldred, Pa

DEVELOPERS, DYEING

Products employed with certain types of dyes to bring out the color, assist in fixing the color in the cloth, etc., and to improve the fastness.

Antara Products Div, 435 Hudson St, N Y 14
*Calco Chem Div, Bound Brook, N J
*Ciba Co, 627 Greenwich St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div & Drystuffs Div, Wilmington 98, Del
*Edwal Labs, Ringwood, Ill
*Geigy Co, 89 Barclay St, N Y 8
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*Winthrop-Stearns, 1450 Broadway, N Y 18

DEVELOPERS, PHOTOGRAPHIC

Reducing agents used to make the image visible on the plate, film or paper, usually by the formation of black metallic silver.

John A Chew, 60 E 42 St, N Y 17
*Edwal Labs, Ringwood, Ill
*Philip A Hunt Co, Palisades Park, N J
*National Chem Co, 1506 Industrial St, Los Angeles 21, Cal
Norman-Willets Co, 316 Washington St, Chicago 6, Ill
L B Russell Chem, 60 Orange St, Bloomfield, N J
Sagamore Color & Chem Co, 178 Purchase St, Boston 10, Mass
*Verona Chem Co, 26 Verona Ave, Newark, N J
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

DEXTRIN (Amylin, British Gum, Starch Gum, Vegetable Gum, Gommeline, Gumeline, Synthetic Gum, Leiocom,

*Company classifies itself as manufacturer or producer of this product

DEXTRIN, continued
Sago Dextrin, Tapioca Dextrin)

Yellow or white solid amorp. Sol. water; insol. alcohol, ether. Uses—mfr. beer, pyrotechnics, matches, food and baked products, confectionery, liquid and cold water glues, pastes, adhesives, distilled liquors, dyeing, bleaching and finishing preps.; polishing rice, cereal grains and coffee; decorating porcelains and potteries; silvering mirrors; substitute for gums; in printing and lithographing inks; as thickener in tanning extracts, shoemaker's paste, paper glaze and size, color paste in wall paper and mordants; engraving, textile size; dressing and finishing agent; stiffening agent; felts, etc.; in medicine.

*American Maize Products Co, 100 E 42 St, N Y 17
*Arabol Mfg Co, 110 E 42 St, N Y 17
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Chem Advance Corp, 1345 Arch St, Phila, Pa
*Corn Products Refg Co, 17 Battery Pl, N Y 4
Croton Chem Corp, 114 Liberty St, N Y 6
H B Fuller Co, 255 Eagle St, St Paul 2, Minn
K F Griffiths & Co, 280 Madison Ave, N Y 16
*Morningstar Nicol, 630 W 51 St, N Y 19
*New Wrinkle, 105 W Adams St, Chicago 3, Ill
Paisley Products, 630 W 51 St, N Y
*Stein, Hall & Co, 285 Madison Ave, N Y 17
O J Weeks Co, 16 Hudson St, N Y 13

DEXTRIN, CORN

*American Maize Products Co, 100 E 42 St, N Y 17
*Arabol Mfg Co, 110 E 42 St, N Y 17
Barclay Chem Co, 75 Varick St, N Y
*Clinton Foods, Clinton, Iowa
Conray Products, 510 6 Ave, N Y 11
*Corn Products Refg Co, 17 Battery Pl, N Y 4
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
H B Fuller Co, 255 Eagle St, St Paul 2, Minn
*Morningstar Nicol, 630 W 51 St, N Y 19
Paisley Products, 630 W 51 St, N Y
*Penick & Ford, 420 Lexington Ave, N Y 17
Phillips & Jacobs, 620-22 Race St, Phila, Pa
*Stein, Hall & Co, 285 Madison Ave, N Y 17

DEXTRIN, POTATO

*Arabol Mfg Co, 110 E 42 St, N Y 17
Conray Products, 510 6 Ave, N Y 11
Oskar Eismann, 6059 71 St, Maspeth, L I, N Y
H B Fuller Co, 255 Eagle St, St Paul 2, Minn
*Linder & Co, 296 N Beacon St, Boston 35, Mass
*Morningstar Nicol, 630 W 51 St, N Y 19
Paisley Products, 630 W 51 St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
*Stein, Hall & Co, 285 Madison Ave, N Y 17

DEXTRIN, TAPIOCA

Conray Products, 510 6 Ave, N Y 11
Oskar Eismann, 6059 71 St, Maspeth, L I, N Y
*Morningstar Nicol, 630 W 51 St, N Y 19
Paisley Products, 630 W 51 St, N Y
Herbert H Parker, 2 Broadway, N Y 4
*Stein, Hall & Co, 285 Madison Ave, N Y 17

DEXTROSE see Corn Sugar

DEXTROSE (Anhydrous) (d-Glucose)

Av. analyses, dextrose 99.8%, moisture 0.2%. Uses—mfr. confectionery, carbonated beverages, bakery products, ice cream powd., pudding powd., gelatin desserts.

*American Maize Products Co, 100 E 42 St, N Y 17
J M Baird Co, 147 Nassau St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Leo Berberich, 198 Broadway, N Y 38
Chem Mfg Co, 21 West St, N Y
*Clinton Foods, Clinton, Iowa
Conray Products, 510 6 Ave, N Y 11
Consumers Products Co, 99 Hudson St, N Y 13
Dehls & Stein, 237 South St, Newark 5, N J
Fallek Products Co, 163 Broadway, N Y 6
*Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Keto Chem Co, 40-33 23 St, L I C 1, N Y
*B L Lemke & Co, 199 Main St, Lodi, N J
Macklm Products Co, 1775 Broadway, N Y 19
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
Mutchler Chem Co, 258 Broadway, N Y 7
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Paul-Lewis Lab, 4253 N Port Washington Rd, Milwaukee, Wis
*Pfanstiehl Chem Co, 104 Lakeview Ave, Waukegan, Ill
Red Star Chem Co, 40-33 23 St, L I C 1, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Tuteur Bio-Chem, 60 Wall St, N Y 5
George Uhe Co, 76 9 Ave, N Y 14
O J Weeks Co, 16 Hudson St, N Y 13

CLINTON

Clintose (Dextrose)
Corn Sugars No. 70 & 80

CLINTON FOODS INC., CLINTON, IOWA

DEXTROSE (Hydrate)

Av. analyses, dextrose 91.55%, other sugars 0.40%; mineral substance 0.05%; moisture 8.00%. Uses—food, brewing, pharmaceutical, explosive industries.

*American Maize Products Co, 100 E 42 St, N Y 17
*Clinton Foods, Clinton, Iowa
Conray Products, 510 6 Ave, N Y 11
*Corn Products Refg Co, 17 Battery Pl, N Y 4
European Chem Co, 366 Broadway, N Y 13
*Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Merck & Co, 100 Lincoln Ave, Rahway, N J
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Tuteur Bio-Chem, 60 Wall St, N Y 5

DIACETIC ESTER see Ethyl Acetoacetate

DIACETYL (Butandione, Biacetyl)

$CH_3CO\text{-}CO\text{-}CH_3$. Yellow liq. Sp. gr. 0.997 (15°C.). B.P. 86-90°C. M.P. —5 to —4°C. Sol. in water, 74 gr. in 100 gr. of water at 28°C. Uses—is carrier of the aroma of butter, vinegar, coffee, honey, etc. Grades—one grade, 96% or over diacetyl.

Benzol Products Co, 237 South St, Newark 25, N J
*Edward S Burke, 65 Pine St, N Y
Dodge & Olcott, 180 Varick St, N Y 14
*Dominion Products, 10-4044 Dr, L I C 1, N Y

DIACETYL (continued)

P R Dreyer, 113 W 19 St, N Y
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
Florasynth Labs, 1513 Olmstead Ave, N Y 61
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Geo Lueders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
McKesson & Robbins, 155 E 44 St, N Y 17
*Nowadel-Agene Corp, Lucidol Div, 1740 Military Rd, Buffalo 5, N Y
Polak & Schwartz, 667 Washington St, N Y 14
*Verona Chem Co, 26 Verona Ave, Newark, N J

DIACETYL MONOXIME

*Bios Labs, 17 W 60 St, N Y 23

DIALKYL PHOSPHATES

R_2HPO_4. Exemplified by diamyl hydrogen phosphate, and mixed esters such as octyl amyl hydrogen phosphate and butyl amyl hydrogen phosphate, these compounds are liq. which are sparingly sol. in water, and sol. in alcohol and vegetable oils. With increasing molecular wt., they become sol. in petroleum oils.

J M Baird Co, 147 Nassau St, N Y
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

DEXTROSE ANHYDROUS, C. P.

GALLARD SCHLESINGER
CHEMICAL COMPANY
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RECTOR 2-0262 CABLE: GALLARDKEM

Fine Chemicals — BPC

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*Company classifies itself as manufacturer or producer of this product

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The Carwin Company specializes in the manufacture of quality intermediates.

Other products include:

Benzidine HCl
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Dianisidine Sulphate
Dianisidine Base
Tolidine HCl
Anthranilic Acid
Beta hydroxy naphthoic acid
Para hydroxy benzoic acid
Quinizarin
Phthalimide

THE CARWIN COMPANY NO. HAVEN, CONN.

Phone: New Haven 2-2161

DIACETONE see Alcohol, Diacetone

DIACETYL-DIOXIME see Dimethyl Glyoxime

DIALLYL PHTHALATE

$C_6H_4(CO_2CH_2CH:CH_2)_2$. M.W. 246. Mild, sl. lachrymatory odor. Uses—in mfr. of low pressure laminates and castings.

Barclay Chem Co, 75 Varick St, N Y
*Ohio-Apex, Nitro, W Va
*Shell Chem Corp, 50 W 50 St, N Y 20
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
Wisconsin Solvents & Chem Corp, 1719 S 83 St, Milwaukee 14, Wis

DIALLYL SUCCINATE

$(CH_2COOC_3H_5)_2$. M.W. 198.21. Colorless, oily liq.; mild odor. Insol. water; sol. benzene, alcohol, ether, etc. Uses—plasticizer.

*Edwal Labs, Ringwood, Ill
*Monomer-Polymer, 511 Lancaster St, Leominster, Mass

DIALLYL SULFIDE

$(C_3H_5)_2S$. M.W. 114.17. A colorless or sl. yellowish liq. B.P. 138°. Sl. sol. water, miscible alcohol, ether. Constituent of garlic, and used hypodermically in tuberculosis and cholera.

*Edwal Labs, Ringwood, Ill

DIALOZITE see Manganese Carbonate

DIAMALT see Diastase

DIAMANTINE

*Linick Chem Co, 29 E Madison St, Chicago, Ill

DIAMIDE HYDRATE see Hydrazine Hydrate

DIAMIDODIETHYLDIPHENYL see Tolidine

DIAMINE SULFATE see Hydrazine Sulfate

p-DIAMINODIPHENYL SULFATE see Benzidine Sulfate

m-DIAMINOANISOLE

$OCH_3C_6H_3(NH_2)_2$. M.W. 138. Fused mass, light brown liq. when molten. M.P. 63°C. Uses—intermediate in mfr. of dyestuffs.

*Verona Chem Co, 26 Verona Ave, Newark, N J

o-DIAMINODITOYL see Tolidine

DIAMIDOPHENOL see Diaminophenol Hydrochloride

p-DIAMINODIPHENYL SULFATE see Benzidine Sulfate

DIAMINOPHENOL HYDROCHLORIDE (Amidol, Diamidophenol)

$(NH_2)_2C_6H_3OH.2HCl$ (1.2.4). M.W. 197.01. White or grayish-white cryst. Slightly sol. alcohol; easily sol. water. Uses—photo developing; dyeing furs and hair.

*Verona Chem Co, 26 Verona Ave, Newark, N J

2,6-DIAMINO PYRIDINE

*Arizona Chem Co, 30 Rockefeller Plaza, N Y 20
*Bios Labs, 17 W 60 St, N Y 23

DIAMMONIUM o-PHOSPHATE see Ammonium Phosphate, Di

DIAMYL NAPHTHALENE

$C_{10}H_6(C_5H_{11})_2$. M.W. 268. Sp. gr. 0.93-0.94. B.P 198^{20}. Solidifies —30°. Viscous oily liq. Insol. water. Used as plasticizer for rubber in synthetic resins for mutation of inks, constant temp. bath media and in wetting agents.

*Sharples Chem, 123 S Broad St, Phila 9, Pa

DI-secondary-AMYL PHENOL

$(C_5H_{11})_2C_6H_3OH$. M.W. 235. Light straw color. Sol. most organic solvents. Uses—syntheses of plasticizers, insecticides, textile assistants, pharmaceuticals.

*Sharples Chem, 123 S Broad St, Phila 9, Pa

DI-tert-AMYL PHENOL

$(C_5H_{11})_2C_6H_3OH$. M.W. 234.37. Light yellow to brown. B.R. 275-310°C. Uses—intermediate; surface active compounds; resin mfr.; lubricating oil additives and rubber chemicals.

J M Baird Co, 147 Nassau St, N Y
*Sharples Chem, 123 S Broad St, Phila 9, Pa

DIAMYL PHENOL

*Sharples Chem, 123 S Broad St, Phila 9, Pa

DIAMYL PHOSPHATE

$(C_5H_{11})_2HPO_4$. Syrupy liq. B.P. decomp. Sol. water. Uses—as a solvent, plasticizer.

J M Baird Co, 147 Nassau St, N Y
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

DIAMYLAMINE

$(C_5H_{11})_2NH$. M.W. 157.19. Dist. Range 180-205°C. Sp. gr. 0.767 (20°C). Viscosity 0.01264 Poise. Refractive Index 1.4262 (19°C). Sur. Ten. 24.4 Dynes/cm. Sp. Heat at room temp., 0.54 cal./gram. Heat of Vap., 83 cal./gram. Coeff of Exp. 0.00102 (20-60°C). Flash Point, 124°F. Sol. very sl. in water. Uses—reacts with organic acids to make emulsifying compounds; reacts with various sulfur derivatives of use in rubber, mining and steel industries; solvent for oils, resins, several cellulose esters.

*Sharples Chem, 123 S Broad St, Phila 9, Pa

DIANHYDRO SORBITOL see Sorbide

DIANISIDINE (Dimethoxybenzidine, Bianisidine)

$C_{14}H_{16}O_2N_2$. 1:3:4. White crystalline needles. M.P. 172°C. Sol. alcohol, ether. Uses—mfr. azo dyes, intermediates. Grades—tech.

Antara Products Div, 435 Hudson St, N Y 14
*Carwin Co, Stiles Lane, N Haven, Conn
Fallek Products Co, 163 Broadway, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38
Sterone Corp, 250 W 57 St, N Y 19

DIASPORE see Aluminum Hydroxide

DIASTAFOR see Diastase

DIASTASUM see Diastase

DI-tert-AMYL DISULFIDE

DIASTASE (Diastafor, Diastasum, Amylase, Diamalt)

Yellowish white to brownish white, solid, amorp. Natural. Sol. water. Uses—solubilizing size in gray goods before printing; converting starch into sugar; solubilized starch into sugar; solubilized starch glues and adhesives; leavening agent in bread making; in medicine. Grades—dry; liq.; numerous qualities as to use.

American Roland Corp, 16 Hudson St, N Y
J M Baird Co, 147 Nassau St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Paul-Lewis Lab, 4253 N Port Washington Rd, Milwaukee, Wis
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Takamine Lab, 193 Arlington Ave, Clifton, N J

DIATOL see Diethyl Carbonate

DIATOMACEOUS EARTH (Fossil Flour, Infusorial Earth, Kieselguhr, Tripoli Powder, Guhr, Tellurine, Terra Silicea, Tripolite)

White, amorp. powd. Natural. Sp. gr. 0.24-0.34—also more correctly known as diatomaceous silica. Sol. hydrochloric acid. Uses—mfr. dynamites, matches, pyrotechnics and match box striking compositions, metallurgical solutions, shellacs, water glass, silica, disinfectant preparations, sealing wax compositions, roofing materials, composition tile, brick, artificial stones, concretes, curtain cloth, plastics, papier mache, ultramarine, abrasive soaps, ceramics, rubber filler; as catalyst substratum; filler in absorption towers and casein glues; filtering medium in chemical processes; abrasive in metallic polishing compositions; fireproofing agent in safes, cooking stoves, textiles, etc.; heat insulator in pipes, boiler kilns, oil tanks, refrigerators, evaporators, stills, etc.; in filtering, decolorizing and clarifying varnishes, glues, adhesives, soaps, pharmaceutical serums, fruit juices; tanning leather; cleaning and polishing powd. for furniture, tile, porcelain enameled ware, tooth powd., tooth pastes, manicuring powd. and glass ware polishes. Grades—tech.; U.S.P.

J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
John A Chew, 60 E 42 St, N Y 17
Colonial Chem Co, 4014 28 St S W, Seattle, Wash
T & W H Corson, Plymouth Meeting, Pa
Harry H Davidson, 17 State St, N Y 4
*Great Lakes Carbon Corp, 612 S Flower St, Los Angeles 17, Cal
Hammill & Gillespie, 225 Broadway, N Y 7
*Johns-Manville, 22 E 40 St, N Y 16
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Moore & Son, 4402 E Poe St, Tucson, Ariz
Northwest Lead Co, 2700 16 Ave S W, Seattle, Wash
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
L A Salomon & Bro, 216 Pearl St, N Y 38
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y

Celite® DIATOMACEOUS EARTH

The Johns-Manville deposit of diatomaceous earth at Lompoc, California is the largest and purest known. It is the source of many Celite Products which have wide application in the chemical and process industries.

CELITE FILTER AIDS

They provide maximum flow rates with required clarity in the filtering of scores of products, from sugar and syrups to drugs and lubricants.

CELITE MINERAL FILLERS

They are used in many industrial processes and provide high absorption, light weight, large surface area, low refractive index and superior suspension.

Johns-Manville
22 EAST 40th STREET NEW YORK 16, N. Y.
JM PRODUCTS

*Company classifies itself as manufacturer or producer of this product

DIATOMACEOUS EARTH, continued

Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
Witco Chem Co, 295 Madison Ave, N Y 16

p-DIAZODIETHYLANILINE

Antara Products Div, 435 Hudson St, N Y 14
*Edwal Labs, Ringwood, Ill
◊Fairmount Chem Co, 600 Ferry St, Newark 5, N J
*Industrial Dyestuff Co, Massasoit Ave, E Providence 14, R I

p-DIAZODIMETHYLANILINE ZINC CHLORIDE (Double Salt)

$(CH_3)_2N\text{-}C_6H_4\text{-}N{=}Cl\text{-}ZnCl_2$. M.W. 319.9. Yellow to orange (light sensitive) cryst. Uses—rapid diazotype coupler in coatings for light-sensitive paper.

*Edwal Labs, Ringwood, Ill
◊Fairmount Chem Co, 600 Ferry St, Newark 5, N J

DIBENZYL DISULFIDE

$(S.CH_2C_6H_5)_2$. M.W. 246.4. Fine, white powd. Insol. water; sol. ether, benzene, hot ethanol. Uses—rubber accelerator; intermediate.

*Bios Labs, 17 W 60 St, N Y 23
*Edwal Labs, Ringwood, Ill
*Fine Organic, 211 E 19 St, N Y 3
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

DIBENZYL SEBACATE

$H_7C_7OOC(CH_2)_8COOC_7H_7$. M.W. 382. Light straw colored liq. Uses—plasticizer for vinyl resins and synthetic rubbers.

Griffin Chem Co, 1000 16 St, San Francisco 7, Cal

p-DIBROMOBENZENE (Benzene Dibromide, Para)

$C_6H_4Br_2$. Colorless cryst. M.P. 86°C. B.P. 219°C. Sol. alcohol, benzene, chloroform, ether; insol. water. Uses—mfr. intermediates, organic chemicals, synth. dyestuffs and drugs. Grades—tech.

*Dow Chem Co, Midland, Mich
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

DIBROMOCHLOROMETHANE

Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
M C Thomas Co, 11 Commerce St, Norwalk, Conn

DIBROMO-o-CRESOL-SULFONPHTHALEIN see Bromcresol Purple

1,10-DIBROMODECANE see Decamethylenedibromide

DIBROMODICHLOROMETHANE

Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

DIBROMODICHLORPHENOLSULFONPHTHALEIN see Bromochlore Phenol Blue

DIBROMOETHANE see Ethylene Bromide

o-DIBROMOETHYLBENZENE

*Dow Chem Co, Midland, Mich

DIBROMOMETHANE see Methylene Bromide

DIBROMO FLUORESCEIN

$C_{20}H_{10}O_5Br_2$. M.W. 490.11. Sol. hot alcohol, sl. sol. ether.

*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*H Kohnstamm & Co, 83 Park Pl, N Y 7
Philip A Lo Bue Co, 230 Park Ave, N Y 17

1,2-DIBROMOPROPANE see Propylene Dibromide

1,3-DIBROMOPROPANE see Trimethylene Bromide

2,6-DIBROMO PYRIDINE

$Br_2C_5H_3N$. Crystal. M.P. 118°.

*Bios Labs, 17 W 60 St, N Y 23

DIBROMOTHYMOLSULFONPHTHALEIN see Bromthymol Blue

DIBROMOTYROSINE

◊Fairmount Chem Co, 600 Ferry St, Newark 5, N J
Philip A Lo Bue Co, 230 Park Ave, N Y 17

2,5-ditertiary butyl hydroquinone

• Insoluble in water and aqueous caustic, this Eastman para dihydric phenol is an excellent polymerization inhibitor for vinyl acetate, styrene, and other vinyl-type resin monomers. Since it absorbs ultraviolet, it finds further use in such products as Neoprene latex. Available in drum lots.

TENNESSEE EASTMAN COMPANY
Division of Eastman Kodak Company
KINGSPORT, TENNESSEE

EASTMAN INDUSTRIAL CHEMICALS

Sales Reps in principal cities—see ad in Catalog Section.

DIBUTOXY ETHYL ADIPATE (Bibutyl "Cellosolve" Adipate)

$(C_4H_9COOC_2H_4OC_4H_9)2$. M.W. 346. Light colored oily liq. Mld. B.P. 209°C. at 4 mm. F.P. —30°C. Uses—primary plasticizer with excellent U-V light stability, low water extraction, low temperature flexibility.

Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Ohio-Apex, Nitro, W Va
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

DIBUTOXY ETHYL PHTHALATE

$C_6H_4(COOC_2H_4O.C_4H_9)_2$. M.W. 366. B.P. at 4mm. 220-230°C. Sp. gr. at 20°C. 1.063. Lbs. per gal. 8.86. Water-white, neutral ester. Uses—solvent for Vinylite and nitrocellulose; fast to light; good water resistance; plasticizer for molding Vinylite and for permanent flexible nitrocellulose films; solvent for many resins.

Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Ohio-Apex, Nitro, W Va
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
Wisconsin Solvents & Chem Corp, 1719 S 83 St, Milwaukee 14, Wis

DIBUTOXY ETHYL SEBACATE

$H_{13}OC_4OOC(CH_2)_8COOC_6CH_{13}$. M.W. 402. Water white liq. Uses—plasticizers for vinyl resins and synthetic rubbers.

*Deecy Products Co, 120 Potter St, Cambridge 42, Mass
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal

n-DIBUTYLAMINE

$(C_4H_9)_2NH$. Water-white liq. B.P. 161°C Sp. gr. at 20°C, 0.765. Partly sol. water, miscible with most organic solvents. Uses—in mfr. rubber vulcanization accelerators, flotation agents, dyestuffs and corrosion inhibitors.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Sharples Chem, 123 S Broad St, Phila 9, Pa

DIBUTYL "CELLOSOLVE" PHTHALATE

(*Reg. Trade Mark—Carbide & Carbon Chemicals Co.)
$(C_2H_5)_2SO_4$. M.W. 154.14. Colorless liq., peppermint odor. Sp. gr.

Barclay Chem Co, 75 Varick St, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa

DIBUTYL "CELLOSOLVE" PHTHALATE, continued

*Ohio-Apex, Nitro, W Va
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

p-DICHLOROBENZOL see p-Dichlorobenzene

p-DIOXYBENZENE see Hydroquinone

p-DIOXYBENZENE see Quinone

1,2 DICHLOROPROPANE see Propylene Dichloride

4,6-Di-tert-BUTYL-m-CRESOL

$C_{15}H_{24}O$. M.W. 220. M.P. 62.5°C. B.P. about 285° C. Light colored, crystalline, semi-solid of mild odor. Insol. in caustic alkali solutions, sl. sol. in water. 4,6-di-tertiary-butyl-m-cresol is used as a plasticizer for surface coatings, synthetic rubber polymers and is of interest as an antiskinning agent for paints.

Barclay Chem Co, 75 Varick St, N Y
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa

DI-tert-BUTYL-m-CRESOL

Barclay Chem Co, 75 Varick St, N Y
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa

DI-tert-BUTYL-p-CRESOL

2,6-$(CH_3)_3$-$C_6CH_3C_6H_2OH$. M.W. 208.84. Light-colored crystalline solid. Insol. in alkalies. Uses—antioxidant for hydrocarbon materials, lubricating-oil additives, stabilizer of gasoline for prevention of gum formation, non-staining rubber anti-oxidant, stabilizer for insecticidal preparations.

Barclay Chem Co, 75 Varick St, N Y
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Shell Chem Corp, 50 W 50 St, N Y 20

DI-tert-BUTYL HYDROQUINONE

*Tennessee Eastman Co, 10 E 40 St, N Y 16

n-DIBUTYL ETHER

$C_4H_9OC_4H_9$. M.W. 130.14. Water-white, chemically stable liq. Mild ethereal odor. Misc. most common organic solvents. Water, dibutyl ether, mutually insol. and immiscible. Good solvent for a wide variety of sub-

DI-TERTIARY-BUTYL PEROXIDE

A CATALYST FOR
RESIN POLYMERIZATION

SHELL CHEMICAL CORPORATION
CHEMICAL PARTNER OF INDUSTRY AND AGRICULTURE
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*Company classifies itself as manufacturer or producer of this product

MONSANTO
DIBUTYL PHTHALATE

Specifications: Clear, oily, liquid; color (APHA) 20 max.; odor, slight characteristic; acidity (as phthalic acid) 0.01% max.; sp. g. 25°/25° C. 1.045 ± 0.001; refrac. index at 25° C., 1.4905 ± 0.001; assay (ester content) 99% min.

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division
St. Louis 4, Mo.

SERVING INDUSTRY . . . WHICH SERVES MANKIND

MONSANTO
CHEMICALS—PLASTICS

CHEMICAL PRODUCTS CORPORATION

Cartersville, Georgia

MANUFACTURERS OF:

MONOCHLOROBENZENE
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PARA DICHLOROBENZENE
Barium Carbonate
Barium Chloride
Crystals and Anhydrous
Barium Sulfide (Black Ash)
Sodium Sulfide
Flake and Solid
Sodium Sulfhydrate
Liquid
Ammonium Sulfide
Liquid

n-DIBUTYL ETHER, continued

stances, including ester gum, dammar gum, rosin, vegetable and essential oils, and for acetic, propionic, benzoic, salicylic and stearic acids. Not a solvent for nitrocellulose even in combination with alcohols. Sp. gr. 0.769 to 0.772 at 20°C./20°C. Dist. range, 130°C to 145°C. at least 90% between 138°C and 145°C. Uses—as extractant or precipitant in a variety of purification processes, and as a solvent medium in a variety of chemical syntheses.

American-British Chem Supplies, 180 Madison Ave, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

DIBUTYL MALEATE

$(C_4H_9OOCCH)_2$. M.W. 228.28. Decomp at approx. 280°C. Uses—mfr. of plasticizers, pharmaceuticals, resins.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa

DI-tert-BUTYL PEROXIDE

*Novadel-Agene Corp, Lucidol Div, 1740 Military Rd, Buffalo 5, N Y
*Shell Chem Corp, 50 W 50 St, N Y 20

DIBUTYL PHTHALATE

$C_{16}H_{22}O_4$. Water-white, oily liq. Mixes with all proportions of 60° gasoline without turbidity. Free acid as phthalic, not over 0.05 per cent. Sp. gr. 1.046-1.050. B.P. 340°C. Uses—as plasticizer in plastics and lacquers; lubricating agent; solvent for perfume oils; perfume fixative. Grades—tech.

*American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
American Mineral Spirits Co, 155 E 44 St, N Y 17
American Quinine Co, 15 William St, N Y
W W Angus, 220 Broadway, N Y
J M Baird Co, 147 Nassau St, N Y
*Baltimore Paint & Color Works, 150 S Calverton Rd, Baltimore 23, Md
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
Bergstrom Trading Co, 233 Broadway, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
F M Browning Co, 150 Broadway, N Y 38
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Chematar Inc, Exchange Pl, N Y 5
Cole Labs, 42-25 9 St, L I C 1, N Y
*Commercial Solvents Corp, 17 E 42 St, N Y 17
De Bear Inc, 636 11 Ave, N Y 19

DIBUTYL PHTHALATE, continued

DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Elbert & Co, 2 Broadway, N Y
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Hardesty Chem Co, 41 E 42 St, N Y
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
Howe & French, Mfg Dept, E Weymouth, Mass
*Kay-Fries Chem, 180 Madison Ave, N Y 16
Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Leliarts Lane, E Paterson, N J
McKesson & Robbins, 155 E 44 St, N Y 17
Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 7, Mo
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
*Naugatuck Chem, Naugatuck, Conn
Phillip Bros Chem, 37 Wall St, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Plastichemicals Co, 1 Beekman St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Shapiro & Novick, 60 Broad St, N Y 4
Shawinigan Products Corp, 350 5 Ave, N Y 1
Shepard Chem Corp, 117 Liberty St, N Y 6
*Specialty Resins Co, 2801 Lynwood Rd, Lynwood, Cal
J U Starkweather Co, 241 Allens Ave, Providence, R I
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Tennessee Eastman Co, 10 E 40 St, N Y 16
Tuteur Bio-Chem, 60 Wall St, N Y 5
*U S Industrial Chem, 60 E 42 St, N Y
United Sterling Corp, 37 E 28 St, N Y
*Witco Chem Co, 295 Madison Ave, N Y 17

DIBUTYL SEBACATE

$(CH_2)_8(COOC_4H_9)_2$. M.W. 314.45. Insol. water; odorless, tasteless. Uses—plasticizer; rubber softener.

*American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Bergstrom Trading Co, 233 Broadway, N Y
Elbert & Co, 2 Broadway, N Y
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Hardesty Chem Co, 41 E 42 St, N Y
*Naugatuck Chem, Naugatuck, Conn
Plastichemicals Co, 1 Beekman St, N Y 38

DIBUTYL TARTRATE

$CO_2C_4H_9(CHOH)_2CO_2C_4H_9$. M.W. 262.17. Uses—solvent and plasticizer for plastics.

*American-British Chem Supplies, 180 Madison Ave, N Y
W W Angus, 220 Broadway, N Y
Barclay Chem Co, 75 Varick St, N Y
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Witco Chem Co, 295 Madison Ave, N Y 17

DICALCIUM BONE PHOSPHATE

Albumina Supply Co, 2 Broadway, N Y 4
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Chas Page & Co, 50 E 42 St, N Y 17

DICALCIUM o-PHOSPHATE see Calcium Phosphate, Dibasic

DI-CAPRYL ADIPATE

Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Hardesty Chem Co, 41 E 42 St, N Y
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa

DI-CAPRYL PHTHALATE

J M Baird Co, 147 Nassau St, N Y
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Hardesty Chem Co, 41 E 42 St, N Y
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa

DI-CAPRYL SEBACATE

Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Hardesty Chem Co, 41 E 42 St, N Y

DI "CARBITOL*" PHTHALATE

(*Reg. Trade Mark—Carbide & Carbon Chemicals Co.) Primary plasticizer for cellulose plastics, vinyl resins, other resins. Recommended where permanent flexibility, low oil extraction, resistance to U-V light and easy processing are required.

Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
Wisconsin Solvents & Chem Corp, 1719 S 83 St, Milwaukee 14, Wis

dibutyl phthalate

• Eastman dibutyl phthalate is a clear, colorless liquid with excellent light and heat stability. It is the most widely used plasticizer for cellulose nitrate and is particularly desirable in cellulose nitrate lacquers because of its high dilution ratio with petroleum naphtha. Available in drums, compartmented and full tank cars.

TENNESSEE EASTMAN COMPANY
Division of Eastman Kodak Company
KINGSPORT, TENNESSEE

EASTMAN INDUSTRIAL CHEMICALS

Sales Reps in principal cities—see ad in Catalog Section.

*Company classifies itself as manufacturer or producer of this product

DICETYLAMINE see Di-2-Ethylhexylamine

DICHLOROANILINE (Aminodichlorobenzene, Dichlorophenylamine)

$Cl_2C_6H_3NH_2$. M.W. 191.96. M.P. 39-71.5°C, depending upon structure. B.P. 245-272°C at 759 mm., depending upon structure. Sol. alcohol, ether, very slightly sol. in water; sol. in alcohol and ether. Uses—dye intermediate.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Ciba Co, 627 Greenwich St, N Y 14
Fallek Products Co, 163 Broadway, N Y 6
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo

p-DICHLOROANILINE

$Cl_2C_6H_3.NH_2$. M.W. 162.02. Rhomic crystals. Sl. sol. in water, sol. in alcohol and ether. Uses—dye intermediate and organic synthesis.

Republic Chem Corp, 94 Beekman St, N Y 38
*Verona Chem Co, 26 Verona Ave, Newark, N J

2,4-DICHLOROBENZALDEHYDE

$C_6H_3CHOCl_2$. M.W. 175.0. White, crystalline solid. M.P. 65-7°C. Sol. most organic solvents; insol. water. Uses—intermed. in mfr. of pharmaceuticals, dyes and other organics.

Antara Products Div, 435 Hudson St, N Y 14
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

3,4-DICHLOROBENZALDEHYDE

$C_6H_3CHOCl_2$. M.W. 175.0. White, crystalline solid. M.P. 34-6°C. Sol. most organ. solvents, insol. water, sl. sol. methanol. Uses—interm. in mfr. pharmaceuticals, dyes and other organics.

Antara Products Div, 435 Hudson St, N Y 14
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

DICHLOROBENZENE (Mixed) (Benzene Dichloride)

$C_6H_4Cl_2$. M.P. 53°C. B.P. 174°C. Sol. hot absolute alcohol, benzene, chloroform, ether, carbon bisulfide; insol. water. Uses—as insecticide and disinfectant, particularly for moths, roaches, flies, mosquitoes, etc. Grades—tech.

J M Baird Co, 147 Nassau St, N Y
*Ciba Co, 627 Greenwich St, N Y 14
*Dow Chem Co, Midland, Mich
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Lewis Co, 232 Canal St, N Y 13
*Montrose Chem Co, 120 Lister Ave, Newark 5, N J
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

o-DICHLOROBENZENE

$C_6H_4Cl_2$. M.W. 146.95. Colorless liq. Sp. gr. 1.3254 (0°C). M.P. —17.6°C. B.P. 179°C. Sol. alcohol. Uses—mfr. dyes, intermediates, organic chemicals; as general solvent; solvent for lacquers, varnishes, waxes, ether; removing sulfur from illuminating gas; in fumigating; in preserving paints. Grades—tech.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American Mineral Spirits Co, 155 E 44 St, N Y 17
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Chem Products Corp, Cartersville, Ga
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Dow Chem Co, Midland, Mich
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
Hughes Chem Supply Co, 1411 Fleet St, Baltimore, Md
Innis, Speiden & Co, 117 Liberty St, N Y 6
*H Kohnstamm & Co, 83 Park Pl, N Y 7
George Mann & Co, 251 Fox Point Blvd, Providence, R I
McKesson & Robbins, 155 E 44 St, N Y 17
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Reinhart Chem Corp, 405 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Solvay Sales Div, 40 Rector St, N Y 6
*Standard Chlorine Chem Co, 115 Jacobus Ave, S Kearny, N J
George Uhe Co, 76 9 Ave, N Y 14
Universal Chem Co, 30 Huntington Ave, Boston, Mass

p-DICHLOROBENZENE (p-Dichlorobenzol)

$C_6H_4Cl_2$. M.W. 146.95. Colorless cryst., pleasant odor. Sp. gr. 1.458. M.P. 53°C. B.P. 173°C. Vapor pressure 1.5-2 mm. of mercury. Sol. alcohol, benzene,

SOLVAY CHEMICALS

Para-Dichlorobenzene
Ortho-Dichlorobenzene

Write for folder.

SOLVAY SALES DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.

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Specialty Cleansers • Ammonium Chloride • Methanol • Sodium Nitrite
Ammonium Bicarbonate • Ortho-dichlorobenzene • Monochlorobenzene
Para-dichlorobenzene

DICHLORBENZIDINE HCl

The Carwin Company specializes in the manufacture of quality intermediates.

Other products include:

Benzidine HCl
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Dianisidine Sulphate
Dianisidine Base
Tolidine HCl
Anthranilic Acid
Beta hydroxy naphthoic acid
Para hydroxy benzoic acid
Quinizarin
Phthalimide

THE CARWIN COMPANY NO. HAVEN, CONN.
Phone: New Haven 2-2161

PARADOW®

(Paradichlorobenzene)

DOW PRODUCES MORE THAN 600 CHEMICAL PRODUCTS.

THE DOW CHEMICAL COMPANY
MIDLAND • MICHIGAN

DOW

SALES OFFICES:

Atlanta, Boston, Chicago, Cleveland, Detroit, Houston, Los Angeles, New York, Philadelphia, San Francisco, Seattle, St. Louis, Washington, Dow Chemical of Canada, Ltd., Toronto

MONSANTO
ortho-
DICHLOROBENZENE
TECHNICAL

Characteristics: Colorless to slightly yellow liquid; crystallizing point, minus 7.0°C. max.; distilling range: 1st drop, 175°C. min.; 100% (1st drop—dry point), 14.0°C. max.; sp. g. 15.5°/15.5°C., 1.305-1.313; composition, 75-85% *ortho*-dichlorobenzene, 15-25% *para*-dichlorobenzene.

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division
St. Louis 4, Mo.

SERVING INDUSTRY . . . WHICH SERVES MANKIND

MONSANTO
CHEMICALS – PLASTICS

*Company classifies itself as manufacturer or producer of this product

MONSANTO

SANTOCHLOR

(PARA-DICHLOROBENZENE)

Characteristics: White crystals; crystallizing point, 52.8° C. min.

Standard Crystal Sizes: No. 1 (nuggets); No. 0 (medium); No. 34 (rice size); Blocking mix; Fines.

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division
St. Louis 4, Mo.
Santochlor: Reg. U. S. Pat. Off.

SERVING INDUSTRY . . . WHICH SERVES MANKIND

MONSANTO CHEMICALS – PLASTICS

PARADI®

(Paradichlorobenzene)

SEVEN CRYSTAL SIZES, FROM POWDERED TO PEA NO. 1

Other Chlorobenzenes:

- Benzene Hexachloride
- Monochlorobenzene
- Orthodichlorobenzene
- 1,2,4-Trichlorobenzene
- 1,2,4,5-Tetrachlorobenzene

Send for descriptive bulletin No. 454

HOOKER ELECTROCHEMICAL CO.

4715 Buffalo Ave., Niagara Falls, New York
New York, N. Y. · Tacoma, Wash. · Wilmington, Calif.

WRITE FOR GENERAL PRODUCTS LIST — HOOKER CHEMICALS

FOR LISTINGS OF OTHER PRODUCTS SEE AD IN CO. DIRECTORY SECTION

p-DICHLOROBENZENE, continued

carbon, bisulfide, ether. Uses—mfr. dyestuffs, intermediates, organic chemicals, insecticidal and germicidal compositions; as deodorant; fumigating soil; mothproofing agent. Grades—tech.

J C Ackerman Co, Penn-Lincoln Hotel, Pittsburgh 21, Pa
Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American-British Chem Supplies, 180 Madison Ave, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
F M Browning Co, 150 Broadway, N Y 38
*Chem Products Corp, Cartersville, Ga
Chem Service Corp, 82 Beaver St, N Y 5
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Dow Chem Co, Midland, Mich
Faesy & Besthoff, 325 Spring St, N Y 13
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
Innis, Speiden & Co, 117 Liberty St, N Y 6
George Mann & Co, 251 Fox Point Blvd, Providence, R I
McKesson & Robbins, 155 E 44 St, N Y 17
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
*Niagara Alkali Co, 60, E 42 St, N Y 17
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Reinhart Chem Corp, 405 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Slater-Robbins Co, 28-44 Borden Ave, L I C, N Y
George F Smith, 60 E 42 St, N Y 17
*Solvay Sales Div, 40 Rector St, N Y 6
Standard Chem Co, 217 New St, Phila, Pa
*Standard Chlorine Chem Co, 115 Jacobus Ave, S Kearney, N J
George Uhe Co, 76 9 Ave, N Y 14
Uncle Sam Chem Co, 575 W 131 St, N Y 27
Universal Chem Co, 30 Huntington Ave, Boston, Mass
Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Robert I Webber Co, 52 Vanderbilt Ave, N Y 17

3,3-DICHLOROBENZIDINE HYDROCHLORIDE

($C_6H_3ClNH_2{\cdot}CH$). M.W. of base 253.1. Sol. in hot dil. acid. Uses—intermediate for dyes and pigments.

*Carwin Co, Stiles Lane, N Haven, Conn
Fallek Products Co, 163 Broadway, N Y 6

2,4-DICHLOROBENZOTRICHLORIDE

$C_6H_3CCl_3Cl_2$. M.W. 264.6. White crystalline solid. M.P. 45-8°C. Sol. organic solvents; insol. water. Uses—interm. in mfr. of pharmaceuticals, dyes and organics.

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Warren-Douglas Chem, 1513 Burt St, Omaha 2, Neb

3,4-DICHLOROBENZOTRICHLORIDE

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

2,4-DICHLOROBENZOYL CHLORIDE

$C_6H_3COClCl_2$. M.W. 209.5. Colorless liq. B.P. 260°C. F.P. 15°C. Sol. most organ. solvents; insol. water; sl. sol. heptane. Uses—interm. in manuf. pharmaceuticals, dyes and other organics.

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

3,4-DICHLOROBENZOYL CHLORIDE

$C_6H_3COClCl_2$. M.W. 209.5. Colorless liq. B.P. 270°C. F.P. 20-25°C. Sol. most organ. solvents; insol. water; sl. sol. heptane. Uses—interm. in mfr. pharmaceuticals, dyes and other organics.

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

2,4-DICHLORO BENZYL CHLORIDE

Cole Labs, 42-25 9 St, L I C 1, N Y
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

DICHLORODIFLUOROMETHANE

CCl_2F_2. Water-white refrigerant. B.P. —21.7°F. Uses—refrigerant in commerical and air conditioning refrigerating apparatus and household refrigerators. Grades—extremely pure.

Ansul Chem Co, Marinette, Wis
*E I Du Pont de Nemours & Co, Organic Chem Dept, Kinetic Chem Div, Wilmington 98, Del
Matheson Co, Paragon Div, E Rutherford, N J
Republic Chem Corp, 94 Beekman St, N Y 38

DIPHENYL AMINE CHLORASINE

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

DICHLORO-DIPHENYL-TRICHLOROETHANE see DDT

DICHLOROETHANE see Ethylene Dichloride

DICHLOROETHYL FORMAL

$CH_2(OCH_2CH_2Cl)_2$. Colorless liq. Sp. gr. 1.2339. at 20°/20°C. B.P. 218.1°C. Uses—intermediate in mfr. of a synthetic "rubber" which is characterized by low hydrocarbon solubility and flexibility at low temperatures; chemical intermediate.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

DICHLOROETHYLENE see Ethylene Dichloride

DICHLOROMETHANE see Methylene Chloride

1,2-DICHLORO-2-FLUOROPROPANE

$CH_3CFClCH_2Cl$. M.W. 131. Colorless liq. B.P. 88.6°C. Insol. water. Uses—synthesis of organic fluorine chemicals.

*Halogen Chem, 1505 Charlton Dr, Columbia, S C

DICHLOROMONOFLUOROMETHANE

*E I Du Pont de Nemours & Co, Organic Chem Dept, Kinetic Chem Div, Wilmington 98, Del
Matheson Co, Paragon Div, E Rutherford, N J

NIAGARA

for PARADICHLOROBENZENE

Depend upon it . . . for purity and unvarying high quality, NIALK Paradichlorobenzene is unsurpassed.

NIAGARA ALKALI COMPANY

60 East 42nd Street, New York 17, New York

NIALK* Liquid Chlorine · NIALK Caustic Potash · NIALK Carbonate of Potash
NIALK Caustic Soda · NIALK Paradichlorobenzene · NIALK TRICHLORethylene
NIAGATHAL* (Tetrachloro Phthalic Anhydride) *Trade-mark

*Company classifies itself as manufacturer or producer of this product

2,5-DICHLORONITROBENZENE (1-Nitro-2,5-Dichlorbenzene, p-Dichloronitrobenzene)

$Cl_2C_6H_3.NO_2$. M.W. 192. Tawny colord granular material; mild aromatic odor. M.P. 52.5°C. B.P. 260° C. Sol. benzene, chloroform, carbon disulfide, hot alcohol; insol. water. Uses—intermediate, rubber accelerator, disinfectants, fungicides.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
Antara Products Div, 435 Hudson St, N Y 14
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Verona Chem Co, 26 Verona Ave, Newark, N J

p-DICHLORONITROBENZENE see 2,5-Dichloronitrobenzene

1,1-DICHLORO-1-NITROETHANE

$CH_3C(NO_2)Cl_2$. M.W. 143.97. Insol. water; sol. organic liq. Uses—anti-gelling agent for rubber cement, solvent for fats and waxes.

*Commercial Solvents Corp, 17 E 42 St, N Y 17

1,1-DICHLORO-1-NITROPROPANE

$CH_3CH_2C(NO_2)Cl_{22}$. M.W. 157.99. Insol. water; sol. organic liq. Uses—raw material for synthesis, anti-gelling agent in rubber cement; solvent for fats and waxes.

*Commercial Solvents Corp, 17 E 42 St, N Y 17

DICHLOROPHENOL

$Cl_2C_6H_3.OH$. M.W. 162.95. Needles. M.P. 45°C. B.P. 209-10°C. Very sol. ether, alcohol, sl. in water. Uses—as intermediate.

*Dow Chem Co, Midland, Mich
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo

DICHLORPHENOLSULFONPHTHALEIN see Chlorophenol Red

DICHLOROPHENYLAMINE see Dichloroaniline

x-DICHLORO [PHENYL ETHER] see Ether, Dichlorodiphenyl

DICHLOROTETRAFLUOROETHANE

Ansul Chem Co, Marinette, Wis
*E I Du Pont de Nemours & Co, Organic Chem Dept, Kinetic Chem Div, Wilmington 98, Del
Matheson Co, Paragon Div, E Rutherford, N J

2,4-DICHLOROTOLUENE

$C_6H_2CH_3Cl_2$. M.W. 161.08. Colorless liq. B.P. 202°C. F.P. —13.0°C. Sol. most organ. solvents; insol. water. Uses—high boil. solvent interm. for organ. synthesis.

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

N-DICHLORO-p-TOLUENESULFONAMIDE see Chloramine T, Di

3,4-DICHLOROTOLUENE

$C_6H_2CH_3Cl_2$. M.W. 161.08. Colorless liq. B.P. 213.0°C. F.P. —14.0°C. Sol. most organ. solvents; insol. water. Uses—high boiling solvent, interm. for organ. synthesis.

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

DICYANDIAMID (Dicyandiamine, Dicyanodiamide, Cyanguanidine)

$NH_2C(NH)NHCN$. Grayish-white powd. M.P. 304-5°C. Sol. water, alcohol; sl. sol. ether. Uses—in fertilizers; intermediate in organic synthesis; mfr. rubber chemicals, pharmaceutical and cosmetic specialties. Grades—tech.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
J M Baird Co, 147 Nassau St, N Y
Chematar Inc, Exchange Pl, N Y 5
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

DICYANDIAMINE see Dicyandiamid

DICYANODIAMIDE, see Dicyandiamid

DICYCLOHEXYLAMINE

Water-white liq. with faint odor resembling cyclohexylamine. B.P. at 760 mm, 255.8°; Crystallizing pt. °C. —0.1; Sp. gr. at 25/25°C. 0.9104; Flash pt. °C. 100; Fire pt. (sustained combustion), °C. 160. Sl. sol. water; sol. in all common organic solvents and miscible with cyclohexylamine. Does not form an azeotropic mixture on distillation with water. A strong base. Uses—organic synthesis; as an insecticide; plasticizer; corrosion inhibitor; mfr. dyes, emulsifying agents, drycleaning soaps, acid gas absorbents.

*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo

DICYCLOHEXYLPHTHALATE

$C_6H_4(CO_2C_6H_{11})_2$. Insol. water, sol. alcohol. M.P. 66°C.

*Barrett Div, 40 Rector St, N Y 6
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
Wisconsin Solvents & Chem Corp, 1719 S 83 St, Milwaukee 14, Wis

DICYCLOPENTADINE

Col. crystals. M.P. 32.9°. Very sol. alcohol, ether.

Antara Products Div, 435 Hudson St, N Y 14
*Bios Labs, 17 W 60 St, N Y 23

DIDYMIUM (Metal)

Di, an element of the rare earth group. In some cases obtained as a by-product from gas-mantle mfr. The pure product is obtained from the refining of various rare earthen salts. Uses—mfr. of didymium salts which are largely used as antiseptics, disinfectants, germicides.

*Bios Labs, 17 W 60 St, N Y 23
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y

DIDYMIUM OXIDE

Di_2O_3. Gray powd. insol. in water or alcohol, sol. in dilute acids.

George F Smith, 60 E 42 St, N Y 17

DIDYMIUM SALTS

Didymium oxide; reddish-brown powder, the mixed oxides of several rare-earth metals. Insol. in water. Sol. in acids, and sol. in molten glasses. Didymium carbonate; pink powd., insol. in water, sol. in acids. Uses—correcting the color of glass and tinting vitreous enamels and ceramic glazes and formation of ceramic bodies with particular properties.

City Chem Corp, 132 W 22 St, N Y 11
George F Smith, 60 E 42 St, N Y 17
*Universal Chem Co, 30 Huntington Ave, Boston, Mass

DIELECTRIC FLUIDS

Preps. used as insulating, cooling, and impregnating mediums in electrical equipment. Mineral oil is widely used, and comparatively new are the chlorinated derivatives of the aromatic hydrocarbons. See also Dishenyl.

*Baker Caster Oil Co, 120 Broadway, N Y 5
*Dow Corning Corp, Midland, Mich

DIETHANOLAMINE

$(CH_2CH_2OH)_2NH$. M.W. 105.09. Straw colored liq. Sp. gr. 1.090-1.000 (20/20°C). Wt. per gal., 9.1'11 lbs. (20°C). B.P. 268°C. M.P. 28°C. .01 N. solution has a pH of 8.888. Entirely sol. water; miscible most organic solvents. Uses—absorbent for acid gases; softening and moistening agent; synthesis organic compound by esterification of the hydroxy groups of diethanolamine or by its condensation with aldehydes. Grades—tech.

American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Cole Labs, 42-25 9 St, L I C 1, N Y
*Dow Chem Co, Midland, Mich
Fallek Products Co, 163 Broadway, N Y 6
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
International Selling Corp, 70 Pine St, N Y 5
*Jefferson Chem Co, 711 5 Ave, N Y 22
Legion Chem, 70 Wall St, N Y
Mutchler Chem Co, 258 Broadway, N Y 7
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26th St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Siegel Chem Co, 1 Hanson Pl, Bklyn 17 N Y

DIETHOXY ETHYL PHTHALATE

$C_6H_4(COOC_2H_4O.C_2H_5)_2$. M.W. 310. B.P. at 4 mm, 204-214°C. Sp. gr. at 20°C 1.120. Lbs. per gal. 9.33. Water-white ester, freezes at 30°C. Uses—plasticizer for nitrocellulose and Vinylite; good resistance to heat, light and moisture. Neutral, odorless, waxy solid with excellent plasticizing properties.

Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

DIETHYL AMINE

$(C_2H_5)_2NH$. Colorless, inflam., liq. Sp. gr. 0.710. B.P. 56°C. Sol. water, alcohol. Uses—mfr. intermediate chemicals, dyes, etc. Grades—tech.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Cole Labs, 42-25 9 St, L I C 1, N Y
*Sharples Chem, 123 S Broad St, Phila 9, Pa

DIETHYL AMINO ETHANOL

$(CH_3CH_2)_2N.CH_2CH_2OH$. A colorless liq. with amine-like odor. B.P. 160°C. Sp. gr. at 20/4°C of 0.884. Sol. water, slightly hygroscopic. Av. weight, 7.37 lbs. per gal. at 20°C. Uses—synthesis of novocaine.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Sharples Chem, 123 S Broad St, Phila 9, Pa

DIETHYL ANILINE

$(C_2H_5)_2N.C_6H_5$. M.W. 149.13. Colorless cryst. Alpha. Sp. gr. 0.934. M.P. —34.5°C. B.P. 216.3°C. Sol. alcohol, ether, chloroform; insol. water. Uses—mfr. intermediates, dyes, organic chemicals, pharmaceuticals. Grades—technically pure.

Barclay Chem Co, 75 Varick St, N Y
*Ciba Co, 627 Greenwich St, N Y 14
Fallek Products Co, 163 Broadway, N Y 6

DIETHYLANILINES see Xylidines (Mixed)

DIETHYL BENZENE

$C_6H_4(C_2H_5)_2$. B.P. range 179.8-184.8°C at 760 mm.; sp. gr. 0.0865 at 25/25°C; dielectric constant 2.22; flash pt. 56°C; fire pt. 63°C. Uses—solvent, low boiling transfer medium, intermediate. Grades—tech.

*Dow Chem Co, Midland, Mich
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa

N, n-DIETHYL BENZENE SULFONAMIDE

DIETHYL CARBONATE (Diatol, Ethyl Carbonate)

$C_2H_5CO_3C_2H_5$. M.W. 118.08. Colorless liq., pleasant odor. Sp. gr. 0.9870. M.P. —43.0°C. B.P. 125.8°C. Sol. alcohol, ether. Uses—solvent nitrocellulose and lacquers. Grades—tech.

J M Baird Co, 147 Nassau St, N Y

DIETHYL ETHANOLAMINE

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Kingston Chem Co, 15 William St, N Y 5
*Sharples Chem, 123 S Broad St, Phila 9, Pa

DI-2-ETHYLHEXYL ADIPATE

$[C_2H_4COOCH_2CH(C_2H_5)C_4H_9]_2$. M.W. 370. Light colored oily liq. Mid. B.P. at 4 mm 213°C. F.P. —70°C. Uses—primary plasticizer, imparts permanent flexibility, U-V light stability, low temp. flex. low water extraction.

Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

DI-2-ETHYLHEXYLAMINE (Dicetylamine)

$[C_4H_9CH(C_2H_5)CH_2]_2NH$.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

DIETHYLHEXYLETHANOLAMINE Di (2-Ethylhexy) Ethanolamine

$(C_4H_9CH(C_2H_5)CH_2)_2NC_2H_4OH$. M.W. 286.33. Insol. water. Uses—chemical intermediate.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

DI-2-ETHYLHEXYL PHTHALATE

*Barrett Div, 40 Rector St, N Y 6
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Tennessee Eastman Co, 10 E 40 St, N Y 16
*Witco Chem Co, 295 Madison Ave, N Y 17

DIETHYL KETONE (Metacetone, Ethyl Propionyl, Propione, 3-Pentanone)

$C_2H_5COC_2H_5$. Colorless, mobile liq., acetone-like odor. Sp. gr. 0.814. B.P. 101°C. Sol. alcohol, ether, water. Uses—mfr. organic chemicals, intermediates; in medicine. Grades—tech.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

DIETHYL MALEATE

$(CHCOOC_2H_5)_2$. Water-white liq., mild pleasant odor. B.P. 225°C.; sp. gr. 1.0658 at 25/25°C. Uses—solvent for nitrocellulose and in conjunction with 10-30% alcohol is a solvent for cellulose acetate.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Tennessee Eastman Co, 10 E 40 St, N Y 16

*Company classifies itself as manufacturer or producer of this product

JEFFERSON CHEMICAL
COMPANY, INC.
711 FIFTH AVENUE
NEW YORK 22, N. Y.

ETHYLENE OXIDE
ETHYLENE GLYCOL
ETHYLENE DICHLORIDE
DIETHYLENE GLYCOL
MONOETHANOLAMINE
DIETHANOLAMINE
TRIETHANOLAMINE

Plant: Port Neches, Texas

diethyl phthalate

• Eastman diethyl phthalate offers a uniformly high-quality source of an effective plasticizer for cellulosics. This ester is also found useful as a perfume fixative. Supplied in drums, compartmented and full tank cars.

TENNESSEE EASTMAN COMPANY
Division of Eastman Kodak Company
KINGSPORT, TENNESSEE

EASTMAN INDUSTRIAL CHEMICALS

Sales Reps in principal cities—see ad in Catalog Section.

DIETHYL MALONATE

$CH_2(COOC_2H_5)_2$. M.W. 160.09. Colorless liq. Sl. aromatic, pleasant odor. Sp. gr. 1.055. B.P. 198-199°. M.P. —50°. Use—Mfr. of barbiturates.

Conray Products, 510 6 Ave, N Y 11
*Dow Chem Co, Midland, Mich
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
Fallek Products Co, 163 Broadway, N Y 6
Florasynth Labs, 1513 Olmstead Ave, N Y 61
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Var-Lac-Oid Chem Co, 116 Broad St, N Y 4

N, N-DIETHYL NICOTINAMIDE see Nikethamide

O, O-DIETHYL-o-p-NITROPHENYL THIOPHOSPHATE see Parathion

DIETHYL p-NITROPHENYL THIONOPHOSPHATE see Parathion

DIETHYL OXALATE

*U S Industrial Chem, 60 E 42 St, N Y

DIETHYL PHTHALATE

$C_6H_4(COOC_2H_5)_2$. Colorless, almost odorless, oily liq., bitter taste. Sp. gr. 1.136 (15°C). B.P. 296.1° C. Sol. alcohol, ether, petroleum ether, organic solvents. Uses—solvent and fixative for perfumes; ingredient of perfumes; substitute for camphor in celluloid; solvent for cellulose acetate; oiling textile fabrics. Grades—pure; tech. (wide variation in quality).

Aceto Chem Co, 82 Beaver St, N Y 5
*American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
C P Chem Solvents 60 Park Pl, Newark 2, N J
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
Eastern Seaboard Supply Corp, 238 Melrose St, Bklyn 6, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan—Delawanna, 330 W 42 St, N Y 18
Geo Lueders & Co, 427 Washington St, N Y 13
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Phillips & Jacobs, 620-22 Race St, Phila, Pa

DIETHYL PHTHALATE, continued

Republic Chem Corp, 94 Beekman St, N Y 38
Schmitz-Schoenewaldt-Turner Co 20 Vesey St, N Y 7
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Tennessee Eastman Co, 10 E 40 St, N Y 16
Tombarel Products Corp, 12 E 22 St, N Y 10
*U S Industrial Chem, 60 E 42 St, N Y

DIETHYL SEBACATE

$(CH_2)_8CO_2C_2H_5)_2$. M.W. 258.20. Colorless to yellowish liq. B.P. about 307°C with some decomp. Fairly sol. boil. water, miscible alcohol, ether.

J M Baird Co, 147 Nassau St, N Y
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio

DIETHYL STILBESTROL (Stilboestrol)

$C_{18}H_{20}O_2$. M.W. 268.16. White cryst. M.P. 169-171°C. Insol. water; sol. alcohol, most org. solvents. Uses—has the physiological action of estrone, but several times as potent.

American Roland Corp, 16 Hudson St, N Y
*Arenol Chem Corp, 40-33 23 St, L I C 1, N Y
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
*Fallek Products Co, 163 Broadway, N Y 6
Gane & Ingram, 43 W 16 St, N Y 11
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Industrial Service Labs, 710 W National Ave, Milwaukee 4, Wis
Keto Chem Co, 40-33 23 St, L I C 1, N Y
Lamex Chem Corp, 25 Broadway, N Y 4
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
Edgar Ostrander Co, 220 5 Ave, N Y 1
Red Star Chem Co, 40-33 23 St, L I C 1, N Y
George Uhe Co, 76 9 Ave, N Y 14
*Var-Lac-Oid Chem Co, 116 Broad St, N Y 4

DIETHYL SUCCINATE

$C_2H_5O.CO.CH_2CH_2CO.OC_2H_5$. M.W. 174.11. Colorless, clear liq., faint, pleasant odor. B.P. 217-218° C. M.P. —21°C. Insol. water, miscible alcohol, ether.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
Dodge & Olcott, 180 Varick St, N Y 14
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Industrial Service Labs, 710 W National Ave, Milwaukee 4, Wis
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*Seeley & Co, 1 Main St, Nyack, N Y
*Verona Chem Co, 26 Verona Ave, Newark, N J

DIETHYL SULFATE (Ethyl Sulfate)

$(C_2H_5)_2SO_4$. M.W. 154.14. Colorless liq., peppermint odor. Sp. gr. 1.172. B.P. 208°C. M.P. —26° C. Sol. alcohol, ether; insol. water. Uses—mfr. organic chemicals, intermediates. Grades—tech.

Barclay Chem Co, 75 Varick St, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Harsyd Chem, Holland, Mich

DIETHYLENEDIAMINE see Piperazine

DIETHYLENE DIOXIDE see Dioxane

1,3-DIETHYL THIOUREA

$CS(NHC_2H_5)_2$. M.W. 132.22. Buff color; faint odor. Uses—pickling with sulfuric acid, hydrochloric acid; reducing corrosion of ferrous metals and aluminum alloys in brine.

*Sharples Chem, 123 S Broad St, Phila 9, Pa

DIETHYLENE GLYCOL

$OHCH_2CH_2O.CH_2CH_2OH$. Colorless, hygroscopic liq. Sp. gr. 1.1185. B.P. 244.5°C. Sol. alcohol, water, ether. Uses—mfr. diethyleneglycol dinitrate, glass, composition cork, parchment paper; in textile printing; as solvent for gums, resins, explosives, cellulose ester lacquers and plastics; etc. Grades—tech.

Aceto Chem Co, 82 Beaver St, N Y 5
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 450 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Bernard Color & Chem Corp, 335 Hudson St, N Y
F M Browning Co, 150 Broadway, N Y 38
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
De Bear Inc, 636 11 Ave, N Y 19
*Dow Chem Co, Midland, Mich
Fallek Products Co, 163 Broadway, N Y 6
Frank G Fanning, 50 E 42 St, N Y 17
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
International Selling Corp, 70 Pine St, N Y 5
Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Leliarts Lane, E Paterson, N J
Mutchler Chem Co, 258 Broadway, N Y 7
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
J U Starkweather Co, 241 Allens Ave, Providence, R I
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
George Uhe Co, 76 9 Ave, N Y 14

DIETHYLENE GLYCOL DIBENZENE SULFONATE

DIETHYLENE GLYCOL ESTERS

American-British Chem Supplies, 180 Madison Ave, N Y
W W Angus, 220 Broadway, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Carlisle Chem Works, West St, Redding 15, Ohio
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*Dow Chem Co, Midland, Mich
Fallek Products Co, 163 Broadway, N Y 6
Frank G Fanning, 50 E 42 St, N Y 17
*Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
W C Hardesty Co, 41 E 42 St, N Y 17
*Jefferson Chem Co, 711 5 Ave, N Y 22
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Legion Chem, 70 Wall St, N Y 5
Linder & Co, 296 N Beacon St, Boston 35, Mass
George Mann & Co, 251 Fox Point Blvd, Providence, R I
*Mathieson Hydrocarbon Chem Corp, Mathieson Bldg, Baltimore 3, Md
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

DIETHYLENE GLYCOL MONOBUTYL ETHER ACETATE

$C_4H_9(CH_2)_2O(CH_2)_2OOCCH_3$. M.W. 204.16. Colorless liq. B.P. 245°C.

J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich

DIETHYLENE GLYCOL MONO OLEATE see Glycol Oleate

DIETHYLENE GLYCOL MONO RICINOLEATE see Diglycol Ricinoleate

*Company classifies itself as manufacturer or producer of this product

DIETHYLENE GLYCOL MONOETHYL ETHER ACETATE

$C_2H_5OCH_2CH_2OCH_2CH_2O_2CH_3$. M.W. 176.13. B.P. 218°C. Colorless liq. Sp. gr. 1.008-1.013 at 20/20° C. Wt. per gal., 8.41 lbs. at 20°C. Miscible with most common organic solvents, completely with water. Uses—solvents for cellulose esters, gums, and resins.

American-British Chem Supplies, 180 Madison Ave, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich
Geo Lueders & Co, 427 Washington St, N Y 13

DIETHYLENE TRIAMINE

$(NH_2)C_2H_4(NH)C_2H_4(NH_2)$. Hygroscopic, somewhat viscous liq. B.P. 207.1°C. Completely sol. in water and hydrocarbons. Strongly alkaline, high-boiling solvent for sulfur, acid gases, various resins and dyes. Saponifies acidic materials, such as fatty acids, to form soaps which dehydrate to amides. Uses—mfr. rubber, resins, dyes: in the textile industry.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

DIGLYCOL

J M Baird Co, 147 Nassau St, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
A P Larsen Co, 29 Broadway, N Y 6
Lewis Chem Co, 400 Northampton St, Boston 18, Mass

DIGLYCOL CHLOROFORMATE

DIGLYCOL DIACETATE

$O(CH_2CH_2OCOCH_3)_2$. M.W. 190.19. Liquid. B.P. 250°C. F.P. 19.1°C. Complete sol. water. Uses—solvent.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa

DIGLYCOL LAURATE

$HO.C_2H_4O.C_2H_4.OOC.H_{23}C_{11}$. Sp. gr. 0.963-0.968 (25°C). B.P. does not decomp. at 250°C. Uses—mfr. cosmetics, sol. oils for textile, paper, leather industries. Mfr. automobile, furniture and metal polishes: mfr. dry cleaning soap.

W W Angus, 220 Broadway, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
W C Hardesty Co, 41 E 42 St, N Y 17
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

DIGLYCOL OLEATE see Glycol Oleate

DIGLYCOL RICINOLEATE (Diethylene Glycol Mono Ricinoleate)

$C_{17}H_{32}OCOOC_2H_4OC_2H_4OH$. M.W. 386.56. Light yellow liq. Sp. gr. (25°/25°C) 0.980. Solidification point 0°C. (Free Fatty Acid, 3.5-5.5, Saponification Value 150-160. Iodine value 67-71. Insol. in water; sol. in alcohol, acetone and ethyl acetate. Uses—interest ing as a plasticizer for synthetic resins and synth. rubbers. Also as a lubricant.

J M Baird Co, 147 Nassau St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

DIGLYCOL STEARATE

$(C_{17}H_{35}COOC_2H_4)_2O$. Uses—cosmetic creams and lotions, lubricant for paper and cardboard in dry die-forming, as pigment and abrasive suspension for polishes, cleaners and lubricants. Thickening and suspending agent for textiles, paper, etc. Temporary binder for ceramic insulating tiles, etc., abrasive and grinding wheels. Emulsifying agent for shoe creams, metal polishes, etc.

W W Angus, 220 Broadway, N Y
Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
W C Hardesty Co, 41 E 42 St, N Y 17
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Phillips & Jacobs, 620-22 Race St, Phila, Pa

DIGLYCOLS (Mixed)

Barclay Chem Co, 75 Varick St, N Y
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

DIHEXYL ADIPATE

*American-British Chem Supplies, 180 Madison Ave, N Y
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Hardesty Chem Co, 41 E 42 St, N Y
*Kay-Fries Chem, 180 Madison Ave, N Y 16
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Merchants Chem Co, 60 E 42 St, N Y 17
*Witco Chem Co, 295 Madison Ave, N Y 17

DIHEXYL DISULFIDE (Di-tert.)

DIHEXYL PHTHALATE

J M Baird Co, 147 Nassau St, N Y
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Hardesty Chem Co, 41 E 42 St, N Y
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Tennessee Eastman Co, 10 E 40 St, N Y 16

DIHEXYL SEBACATE

Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Hardesty Chem Co, 41 E 42 St, N Y

DIHYDRODIKETO-BENZONE see Quinone

DIHYDROGEN SULFATE see Acid, Sulfuric

DIHYDROSTREPTOMYCIN

Philipp Bauer Co, 2 W 47 St, N Y
Conray Products, 510 6 Ave, N Y 11
Desmo Chem Corp, 565 5 Ave, N Y 17
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Legion Chem, 70 Wall St, N Y 5
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Schenley Labs, Lawrenceburg, Ind
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

DIHYDROXYANTHRAQUINONE see Quinizarine

1:2-DIHYDROXYANTHRAQUINONE see Alizarin

m-DIHYDROXYBENZENE see Resorcinol

o-DIHYDROXYBENZENE see Pyrocatechol

DIHYDROXY-CAMPHENE see Borneol

1,10-DIHYDROXYDECANE see Decamethylene Glycol

N-N'-DIHYDROXYETHYL ETHYLENEDIAMINE

$(CH_2NHC_2H_4OH)_2$. M.W. 148. M.P. 98°C. Uses—chemical intermediate.

*Bios Labs, 17 W 60 St, N Y 23
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass

4, 4'-DIHYDROXYDIPHENYLSULFONE

DIHYDROXYPHTHALOPHENONE see Phenolphthalein

DI-IODOMETHANE see Methylene Iodide

DIIODO OXYQUINOLINE

Philipp Bauer Co, 2 W 47 St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Conray Products, 510 6 Ave, N Y 11
*Desmo Chem Corp, 565 5 Ave, N Y 17
*Fisher Chem Co, 60 E 42 St, N Y 17
Gane & Ingram, 43 W 16 St, N Y 11
*Lamex Chem Corp, 25 Broadway, N Y 4
*B L Lemke & Co, 199 Main St, Lodi, N J
*Polychem Co, 494 Hunts Point Ave, N Y 59
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Red Star Chem Co, 40-33 23 St, L I C 1, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*Montrose Chem Co, 120 Lister Ave, Newark 5, N J
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

1,3-DIIODOPROPANE (Trimethylene Diiodide)

$C_3H_6I_2$. M.W. 295.92. Heavy clear liq. Uses—organic syntheses.

*Bios Labs, 17 W 60 St, N Y 23
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

DIIODOTYROSINE

$C_9H_9NO_3I_2$. M.W. 432.96. White cryst. M.P. 205°C. Sl. sol. water. An aminoacid found in gorgonia sponging and thyroglobouiin.

*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
*Lamex Chem Corp, 25 Broadway, N Y 4
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

DIISOBUTYL AZELATE

$(CH_2)_7(COC_4H_9)_2$. M.W. 268. Light straw colored liq. with mild odor. Boil. range at 4 mm 168-191°C. Uses—plasticizer suitable where low temperature flexibility is required.

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill

DIISOBUTYL KETONE

$(CH_3)_2CHCH_2(CO)CH_2CH(CH_3)_2$. A colorless liq. miscible with most organic liq., but not with water. B.P. 168.0°C. Has a xylene dilution ratio of 1.5. Has excellent solvent power for rubber, ni rocellulose and synthetic resins, a stable, slow-evaporating solvent.

C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
L J & M La Place, Leliarts Lane, E Paterson, N J

DIISOBUTYLENE

$(CH_3)_3CCHC(CH_3)_2$. M.W. 112.12. B.P. 102.6°C: $d\frac{20}{4} = 0.8159$; $N\frac{20}{D} = 1.410$; sol. water. Com. product in mixture 80% 2, 4, 4 trimethyl pentene —1, and 20% 2, 4, 4 trimethyl pentene —2. Water-white in color. Uses—as a solvent where its close boiling range, 100-103°C, is of value; in chemical synthesis; mfr. of resins average weight at 20°C 5.97 lbs. per gal.

*Atlantic Refining Co, 260 S Broad St, Phila, Pa
*Enjay Co, 15 W 51 St, N Y 19

DIISOOCTYL ADIPATE

$(C_8H_{17})_2(COO)(CH_2)_4$. M.W. 370. Light straw-colored liq. Uses—plasticizer for vinyl resins and synthetic rubbers.

*Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Hardesty Chem Co, 41 E 42 St, N Y
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Naugatuck Chem, Naugatuck, Conn
*Ohio-Apex, Nitro, W Va

DIISOBUTYLENE

Colorless liquid at room temperature and atmospheric pressure. Used in manufacture of isobutylene and polyisobutylene. Intermediate in preparing other chemicals.

TETRAPROPYLENE

Consists mainly of the tetramer, with small percentages of C 13, C 14, and C 15 olefins. Most useful for the alkylation of such aromatic hydrocarbons as benzene, toluene, xylene, and naphthalene, and phenolic materials such as phenol and cresol. A preferred material in a number of synthetic methods for making higher alcohols, mercaptans, alkyl halides, and other widely used products.

ENJAY

ENJAY COMPANY, INC.
15 West 51st St.
New York 19, N. Y.
Write or phone for further information

*Company classifies itself as manufacturer or producer of this product

WE SELL — WE BARTER — WE BUY
Industrial & Fine Chemicals
Plasticizers • Plastics • Solvents
Oils • Dyes • Waxes • Gums • Starches
Surgical & Medical Supplies
Chemical Service Corporation
EST. 1925
92-A BEAVER ST., NEW YORK 5, N.Y. HAnover 2-6970

DIISOOCTYL ADIPATE, continued

Philipp Bros Chem, 37 Wall St, N Y
*Rubber Corp of America, 274 Ten Eyck St, Bklyn 6, N Y
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

DIISOOCTYL PHTHALATE

$(C_8H_{17})_2(OOC)_2C_6H_4$. M.W. 390. Pale straw-colored liq. Uses—plasticizer for vinyl resins and synthetic rubbers.

American Mineral Spirits Co, 155 E 44 St, N Y 17
*Barrett Div, 40 Rector St, N Y 6
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Hardesty Chem Co, 41 E 42 St, N Y
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Naugatuck Chem, Naugatuck, Conn
*Ohio-Apex, Nitro, W Va
Philipp Bros Chem, 37 Wall St, N Y
*Rubber Corp of America, 274 Ten Eyck St, Bklyn 6, N Y
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
Wisconsin Solvents & Chem Corp, 1719 S 83 St, Milwaukee 14, Wis

DIISOOCTYL SEBACATE

$(C_8H_{17})(COO)_2(CH_2)_8$. M.W. 426. Light straw-colored l.q. Uses—plasticizer for vinyl resins and synthetic rubbers.

*Hardesty Chem Co, 41 E 42 St, N Y
*Specialty Resins Co, 2801 Lynwood Rd, Lynwood, Cal

DIISOPROPANOLAMINE

$(CH_3CHOHCH_2)_2NH$. M.W. 133.18. High-boiling, oily liq. B.P. 116°C at 5 mm pressure. Sp. gr. 1.0089 at 20°C. Sol. water, and in most organic solvents. Uses—emulsifying agents, stable to light and air; mfr. detergents, pharmaceuticals, and cosmetics.

J M Baird Co, 147 Nassau St, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich

DIISOPROPYL

*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

DIISOPROPYLAMINE

$[(CH_3)_2CH]_2NH$. M.W. 101.2. Miscible with most organic solvents. Ammoniacal odor; water-white color. Uses—starting material in mfr. of rubber chemicals, textile specialties, detergents, inhibitors, dyes, pharmaceuticals, anti-oxidants.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Sharples Chem, 123 S Broad St, Phila 9, Pa

DIISOPROPYLBENZENE ("Alkazene 12"—Trade Name)

$C_{12}H_{18}$. Clear colorless liq. B.R. 204-207°C; Sp. gr. 0.865; F.P. below —48°C; Refractive index at 25°C 1.490; Flash Pt. 76°C; Fire Pt. 79°C. Uses—Solvent; intermediate in chemical syntheses.

DIISOPROPYLCARBINOL

Amplex Chem Co, 60 Wall St, N Y

DIISOPROPYLKETONE

$C_7H_{14}O$. M.W. 114.12. Colorless liq. B.P. 123.7°C. Sol. alcohol, ether.

Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

1,3-DIISOPROPYLTHIOUREA

$(CH_3)_2CHNHCSNHCH(CH_3)_2$. M.W. 160.3 calo. grayish-white powd. Melt. range 140-145°C. Sol. conc. acid. Uses—corrosion inhibitor.

*Sharples Chem, 123 S Broad St, Phila 9, Pa

DILUENTS, LACQUER

Active resin solvents which assist in the blending and compounding of specific resins with the nitrocellulose, cellulose, or other ingredients, thus modifying flow and vaporization characteristics. The more commonly used are benzol, toluol, xylol, various organic solvents, and petroleum solvents, specially fractionated for the lacquer industry. Products are specially treated in order that traces of objectionable nauseous odors are removed, as well as corrosive constituents. Grades—Light Fraction: This is used to replace benzol, all or in part, in fast drying lacquers. Rate of evaporation is similar to that of benzol. Medium Fraction: This is used to replace toluol, all or in part, in spraying lacquers for the automobile and furniture trade. Rate of evaporation is similar to that of toluol. Heavy Fraction: This is used to replace xylol, all or in part, in slower drying lacquers. Rate of evaporation is similar to that of xylol. Very Heavy Fraction: This is used in brushing lacquers for the architectural field. Evaporation rate is roughly similar to that of turpentine.

*Atlantic Refining Co, 260 S Broad St, Phila, Pa
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
J M Baird Co, 147 Nassau St, N Y
C P Chem Solvents, 60 Park Pl, Newark 2, N J
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*V J Dolan & Co, 1830 N Laramie Ave, Chicago 39, Ill
*Kepec Chem Corp, 1454 N 4 St, Milwaukee, Wis
L J & M La Place, Leliarts Lane, E Paterson, N J
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Sharples Chem, 123 S Broad St, Phila 9, Pa
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Wolverine Solvents & Chem Co, 1500 Century Ave, Grand Rapids 9, Mich

DIMETHOXYBENZIDINE see Dianisidine

DIMETHOXY ETHYL PHTHALATE

$C_6H_4(COOC_2H_4O.CH_3)_2$. M.W. 282: B.P. 188-216°C. Sp. gr. at 20°C 1.173; lbs. per gal. 9.77. Water-white, neutral, odorless ester. Excellent stability to hydrolysis, heat and light; low solubility in petroleum solvents. Uses—plasticizer for cellulose acetate, cellulose ethers, and Vinylite.

Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Ohio-Apex, Nitro, W Va
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Tennessee Eastman Co, 10 E 40 St, N Y 16
Wisconsin Solvents & Chem Corp, 1719 S 83 St, Milwaukee 14, Wis

DIMETHOXYMETHANE see Methylal

DIMETHOXY STRYCHNINE see Brucine Alkaloid

DIMETHOXYTETRAGLYCOL

$(CH_3OC_2H_4OC_2H_4)_2O$. M.W. 222.28. Water-white liq. B.P. 275.8°C. Sol. in water. Uses—organic solvent; plasticizing agent; neutral medium for chem cal reactions.

*Ansul Chem Co, Marinette, Wis

DIMETHYLAMINE

$(CH_3)_2NH$. Gas. Is compressed to liq. state, also occurs in aqueous state. Aqueous solution is colorless; miscible with alcohol, water. Sp. gr. 0.686. B.P. 7.2°C. Sol. water, alcohol, ether. Uses—mfr. intermediates; in organic synthesis; as accelerator in rubber; insecticide for boll weevil. Grades—tech.

American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Matheson Co, Paragon Div, E Rutherford, N J
Republic Chem Corp, 94 Beekman St, N Y 38
*Rohm & Haas Co, Washington Sq, Phila 5, Pa

p-DIMETHYLAMINOBENZALDEHYDE

$C_6H_4[N(CH_3)_2]CHO$. M.P. 73°C. Light yellow cryst. Insol. water; sol. alcohol, chloroform, ether. Uses—dyes, reagent.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
City Chem Corp, 132 W 22 St, N Y 11
*Matheson Co, Paragon Div, E Rutherford, N J
*National Aniline Div, 40 Rector St, N Y 6

DIMETHYLAMINOETHANOL (Dimethyl Ethanolamine)

*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Sharples Chem, 123 S Broad St, Phila 9, Pa

DIMETHYLAMINOETHYL CHLORO HYDROCHLORIDE

*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Milmaster Chem Corp, 420 Lexington Ave, N Y 17

DIMETHYLANILINE

$C_6H_5N(CH_3)_2$. M.W. 121.09. Yellow or brown liq. Sp. gr. 0.962 (15°C). M.P. 1.67°C. B.P. 192.5-193.5°C. Sol. alcohol, ether. Uses—mfr. dyes, methyl violet, cryst. violet, methyl green, methylene blue, malachite green, auramine, Michler's ketone, intermediates, organic chemicals, trinitrophenylmethylnitramine; as rubber accelerator. Grades—pure.

American Quinine Co, 15 William St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Ciba Co, 627 Greenwich St, N Y 14
Fallek Products Co, 163 Broadway, N Y 6
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
Kingston Chem Co, 15 William St, N Y 5
*National Aniline Div, 40 Rector St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

DIMETHYLBENZENE see Xylol

DIMETHYL BENZIDINE HYDROCHLORIDE see o-Tolidine Dihydrochloride

DIMETHYLBENZIDINE see Tolidine

DIMETHYLBUTANE

*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

DIMETHYLCARBINOL see Alcohol, Isopropyl

DIMETHYL DICHLORO BENZYL ALKYL AMMONIUM CHLORIDE

DIMETHYL DIOXANE

$OCH(CH_3)CH_2OCHCH(CH_3)$. M.W. 116.6. Water-white liq. Uses—solvent for dyestuffs, oils, fats, waxes, and cellulose derivatives.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

DIMETHYL-DIPROPANOL see Alcohol, Butyl (Tertiary)

DIMETHYL ETHANOLAMINE (Dimethylaminoethanol)

$(CH_3)_2NCH_2CH_2OH$. M.W. 89.14. Sol. water. Colorless, amine-odored liq. Uses—in synthesis of dyestuffs, textile auxiliaries, pharmaceuticals, and corrosion inhibitors.

Barclay Chem Co, 75 Varick St, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*E I Du Pont de Nemours & Co, Grasselli Chem Dept Wilmington, Del
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*Sharples Chem, 123 S Broad St, Phila 9, Pa

DIMETHYLETHYLCARBINOL see Alcohol, Amyl (Tertiary)

*Company classifies itself as manufacturer or producer of this product

DIMETHYL ETHYNYL CARBINOL see 2-Methyl-3-Butyn-2-ol

DIMETHYL FORMAMIDE

*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del

DIMETHYL FURANE

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

DIMETHYL GLYCOL PHTHALATE

Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

DIMETHYL GLYOXIME (Diacetyl-dioxime)

$CH_3C(NOH)C(NOH)CH_3$. M.W. 116.08. White, crystalline solid. M.P. 246°C. Very sl. sol. in water, sol. alcohol. Uses—precipitant for nickel and other metals. Grades—analytical, tech.

Aceto Chem Co, 82 Beaver St, N Y 5
J T Baker Chem Co, Phillipsburg, N J
*Bios Labs, 17 W 60 St, N Y 23
*Distillation Products Industries, Rochester 3, N Y
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
*Richmond Chem Corp, 1741 Richmond Terrace, S I 10, N Y
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio
*Southwestern Analytical Chem, 1107 W Gibson St, Austin 4, Tex

DIMETHYL HYDROQUINONE

$C_6H_4(OCH_3)_2$. M.W. 138. Crystalline solid. Uses—tobacco, honey compounds.

Dodge & Olcott, 180 Varick St, N Y 14
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Fine Chem Div, Wilmington 98, Del
*Givaudan-Delawanna, 330 W 42 St, N Y 18
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Polak & Schwartz, 667 Washington St, N Y 14
*Tennessee Eastman Co, 10 E 40 St, N Y 16
*Verona Chem Co, 26 Verona Ave, Newark, N J

DIMETHYLARSINIC see Acid, Cacodylic

3,7 DIMETHYLXANTHINE see Theobromine

DIMETHYLKETAL see Acetone

DIMETHYLKETONE see Acetone

1,3-DIMETHYLXANTHINE see Theophylline

DIMETHYL ISOPROPANOLAMINE

$(CH_3)_2NCH_2CH(OH)CH_3$. M.W. 103.16. B.P. 125° C. Complete sol. water. Uses—chemical intermediate.

DIMETHYL MALEATE

$(CH_3OOCCH)_2$. M.W. 144.12. Liquid. B.P. 200.4°C. Uses—raw material for mfr. of plasticizers, pharmaceuticals, resins.

*Commercial Solvents Corp, 17 E 42 St, N Y 17

DIMETHYL NAPHTHALENE

$(CH_3)_2C_{10}H_6$. M.W. 156.22. Liq. to sol. at room temp. depend. upon positional isomer. Insol. water; sl. sol. alcohol.

DIMETHYLPHENOLS see Xylenols

DIMETHYL PHTHALATE (Methyl Phthalate)

$C_6H_4(CO_2CH_3)_2$. M.W. 194.08. Colorless, odorless, liq. Sp. gr. 1.190 (20°C). Ester content 99.100%. Acidity free acid as phthalic, not over .02%. Uses—as a plasticizer, particularly for nitrocellulose.

*American-British Chem Supplies, 180 Madison Ave, N Y
American Polymer Corp, 101 Foster St, Peabody, Mass
American Quinine Co, 15 William St, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
C P Chem Solvents, 60 Park Pl, Newark 2, N J
Chem Service Corp, 82 Beaver St, N Y 5
Conray Products, 510 6 Ave, N Y 11
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Desmo Chem Corp, 565 5 Ave, N Y 17
Fallek Products Co, 163 Broadway, N Y 6
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Kay-Fries Chem, 180 Madison Ave, N Y 16
Kingston Chem Co, 15 William St, N Y 5
Legion Chem, 70 Wall St, N Y 5
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
Reinhart Chem Corp, 405 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Tennessee Eastman Co, 10 E 40 St, N Y 16

DIMETHYLUREA
DIMETHYL-AMINOETHANOL
SHARPLES TRADE MARK CHEMICALS
Sharples Chemicals Inc.
PHILADELPHIA
CHICAGO
NEW YORK

DIMETHYL SEBACATE

$[(CH_2)_4COOCH_3]_2$. Uses—solvent or plasticizer for nitrocellulose, vinyl resins.

J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Hardesty Chem Co, 41 E 42 St, N Y

DIMETHYL SULFATE (Methyl Sulfate)

$(CH_3)_2SO_4$. Colorless liq. Sp. gr. 1.333 (15°C). M.P. —31.8°C. B.P. 188.5 to 188.6°C. Sol. alcohol. Uses—methylating agent in making intermediates, dyes, phenols, poison gas, synthetic drugs. Grades—crude; rectified; tech.

J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Chematar Inc, Exchange Pl, N Y 5
Conray Products, 510 6 Ave, N Y 11
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Maywood Chem Works, Maywood, N J
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

DIMETHYL PYRIDINE see 2,4- & 2,6-Lutidine

DIMETHYL SULFOLANE

1,3-DIMETHYLUREA

$CH_3NHCONHCH_3$. M.W. 88.11. White to light-gray flakes. M.P. 104°C. Uses—intermediate for pharmaceuticals of the purine type.

*Sharples Chem, 123 S Broad St, Phila 9, Pa

DIMETHYLOL UREA

$HOCH_2NHCONHCH_2OH$. A water sol. primarily condensation product of urea and formaldehyde of particular interest as a resin intermediate. Useful in protective coating, adhesive, and impregnating compositions and in the modification of natural and synth. products. Water content less than 11%. Water solubility 15% at 20° C., 45% at 50° C. Generally insol. in organic solvents.

J M Baird Co, 147 Nassau St, N Y
*Warwick Chem Co Div, Wood River Junction, R I

DINITRANILINE

$C_6H_5O_4N_3$. M.W. 183.19. M.P. (2:3) 127°C. (2:4). Yellow, monoclinic cryst. Sp. gr. 1.165. M.P. 181°C.; insol. water; sol. alcohol, ether (2:5) M.P. 137°C. (2:6) —large, yellow, crystalline needles. M.P. 138°C.; sol. alcohol. (3:4) M.P. 154°C. (3:5) M.P. 159°C. Uses—as an intermediate.

Barclay Chem Co, 75 Varick St, N Y
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4 Mo
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17

DINITROAMINOPHENOL see Acid, Picramic

DINITROANISOLE (m-Dinitroanisole, 2:4-Dinitroanisole)

$CH_3OC_6H_3(NO_2)_2$. M.W. 198. Light yellow powd. M.P. 95.5-96°C. Uses—dyestuff intermediate; insecticide.

*Verona Chem Co, 26 Verona Ave, Newark, N J

2:4-DINITROANISOLE see Dinitroanisole

m-DINITROANISOLE see Dinitroanisole

DINITROBENZENE

$C_7H_4(NO_2)_2$. M.W. 168.14. Colorless scales. M.P. 117°C.; B.P. 319°C. Very sl. sol. in water, sl. sol. in alcohol; soluble in benzene. Uses—mfr. dyes.

J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38

3,5-DINITROBENZOYL CHLORIDE

$C_6H_3(NO_2)_2COCl$. M.W. 230.6. Cream-colored cryst. Uses—identification and isolation of certain high molecular compounds containing hydroxy-groups.

*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
Vitamins Inc, 809 W 58 St, Chicago 21 Ill

DINITROCHLOROBENZENE (Dinitrochlorobenzol)

$C_6H_3(NO_2)_2Cl$. Colorless needles. Sp. gr. 1.6867-1.697. M.P. 37.1-53.0°C. (depending on position of NO_2 and Cl groups in molecule). Sol. alcohol; insol. water. Uses—mfr. sulfur black dyes, dinitrophenol, substituted diphenylamines, synth. perfumes. Grades—tech.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
*Calco Chem Div, Bound Brook, N J
Fallek Products Co, 163 Broadway, N Y 6
Legion Chem, 70 Wall St, N Y 5
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
*National Aniline Div, 40 Rector St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38

DINITROCHLOROBENZOL see Dinitrochlorobenzene

DINITRO-o-CRESOL

$C_7H_6O_5N_2$. M.W. 198.2. M.P. 104°C. B.P. 312°C. Uses—known as saffron substitute; orange-colored poisonous dye.

Elbert & Co, 2 Broadway, N Y
Republic Chem Corp, 94 Beekmart St, N Y 38
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J

DINITROPHENOL (Alpha-Dinitrophenol)

$C_6H_3OH.(NO_2)_2$. a. 2:3. b. 2:4. c. 2:6. Yellow, crystalline powd. a. Sp. gr. 1.683. M.P. 144°C. b. Sp. gr. 1.683. c. M.P. 111.6°C. M.P. 61-78°C. Sol. alcohol, benzene, chloroform; sl. sol. water. Uses—mfr. sulfur and azo dyes, ammonal black, sulfur blacks, picramic acids, picric acid, amidol; as wood preservative. Grades—tech.

Republic Chem Corp, 94 Beekman St, N Y 38
*Wheeling Steel Corp, Wheeling, W Va

a-DINITROPHENOL see Dinitrophenol

DINITROTOLUENE (Dinitrotoluol)

$C_6H_3.CH_3(NO_2)_2$. a. 2:4. b. 3:4. c. 3:5. Yellow cryst. a. Sp. gr. 1.521. M.P. 69.6°C. b. Sp. gr. 1.26. M.P. 59.8°C. c. M.P. 92.3°C. Sol. alcohol, ether; insol. water. Uses—mfr. T. N. T., organic chemicals, toludines, toluidines, sulfur and azo dyes; in dynamite to prevent freezing. Grades—tech.

Fallek Products Co, 163 Broadway, N Y 6
*National Aniline Div, 40 Rector St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38

DINITROTOLUOL see Dinitrotoluene

*Company classifies itself as manufacturer or producer of this product



DIOCTYL PHTHALATE

ALSO

DIETHYL PHTHALATE
DIMETHYL PHTHALATE
DIBUTYL PHTHALATE
TRICRESYL PHOSPHATE

The J. M. Baird Company

Cables: JOMBAIRD

147 NASSAU STREET, NEW YORK 38, N. Y. WOrth 4-0952

dioctyl phthalate (DOP)

• Eastman offers dioctyl phthalate with an exceptionally low color and of uniform and dependable quality in both an electrical and a non-electrical grade. DOP is probably the best all-purpose plasticizer known for polyvinyl resins and also finds use with a wide variety of other materials, including polymethyl methacrylate, the cellulosics and synthetic rubber. Available in drums, compartmented and full tank cars.

TENNESSEE EASTMAN COMPANY
Division of Eastman Kodak Company
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De Mert & Dougherty, Inc.
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LAfayette 3-5600

1600 Clark Ave.
St. Louis, 3, Mo.
Garfield 3900

223 East Detroit St.
Milwaukee, 2, Wisc.
Broadway 2-6590

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Cable Address:
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DIOCTYL PHTHALATE
DIBUTYL PHTHALATE
TRICRESYL PHOSPHATE
ALL OTHER PLASTICIZERS

Philipp Brothers Chemicals, Inc.
37 WALL STREET, NEW YORK 5, N. Y.
PORTLAND, CONN. PHILADELPHIA BOSTON PROVIDENCE BALTIMORE

DINONYL ADIPATE

$(C_9H_{19})_2(COO)_2(CH_2)_4$. M.W. 398. Light straw-colored liq. Uses—plasticizer for vinyl resins and synthetic rubbers.

*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Naugatuck Chem, Naugatuck, Conn
*Specialty Resins Co, 2801 Lynwood Rd, Lynwood, Cal

DINONYL PHTHALATE

$(C_9H_{19})(COO)_2C_6H_4$. M.W. 418. Light straw-colored liq. Uses—plasticizer for vinyl resins and synth. rubbers.

*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Specialty Resins Co, 2801 Lynwood Rd, Lynwood, Cal

DINONYL SEBACATE

$(C_9H_{19})_2(COO)_2(CH_2)_8$. M.W. 454. Light straw-colored liq. Uses—plasticizer for vinyl resins and synth. rubbers.

*Deecy Products Co, 120 Potter St, Cambridge 42, Mass
*Specialty Resins Co, 2801 Lynwood Rd, Lynwood, Cal

DI-tert-OCTYL DISULFIDE

DIOCTYL PHTHALATE

$C_6H_5(COOC_8H_{17})_2$. M.W. 391.55. Viscous oil, used as a plasticizer.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
American Mineral Spirits Co, 155 E 44 St, N Y 17
American Quinine Co, 15 William St, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
Bergstrom Trading Co, 233 Broadway, N Y
F M Browning Co, 150 Broadway, N Y 38
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
De Bear Inc, 636 11 Ave, N Y 19
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Elbert & Co, 2 Broadway, N Y
Fallek Products Co, 163 Broadway, N Y 6
Fine Chem Co, 156 E 42 St, N Y 17
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Hardesty Chem Co, 41 E 42 St, N Y
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
International Selling Corp, 70 Pine St, N Y 5
Kingston Chem Co, 15 William St, N Y 5
Legion Chem, 70 Wall St, N Y 5
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Montrose Chem Co, 120 Lister Ave, Newark 5, N J
Mutchler Chem Co, 258 Broadway, N Y 7
Naugatuck Chem, Naugatuck, Conn
*Ohio-Apex, Nitro, W Va
Philipp Bros Chem, 37 Wall St, N Y
Plastichemicals Co, 1 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Shapiro & Novick, 60 Broad St, N Y 4
Shepard Chem Corp, 117 Liberty St, N Y 6
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Specialty Resins Co, 2801 Lynwood Rd, Lynwood, Cal
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Tennessee Eastman Co, 10 E 40 St, N Y 16
George Uhe Co, 76 9 Ave, N Y 14
United Sterling Corp, 37 E 28 St, N Y
Wisconsin Solvents & Chem Corp, 1719 S 83 St, Milwaukee 14, Wis
*Witco Chem Co, 295 Madison Ave, N Y 17

DI-n-OCTYL PHTHALATE

$C_6H_4(COOC_8H_{17})_2$. M.W. 390. Light colored oily liq. Mid. B.P. at 4 mm 241°C. F.P. —25°C. Uses—primary plasticizer imparting permanent flexibility, low temp. flexibility, low water extraction, and heat stability.

American-British Chem Supplies, 180 Madison Ave, N Y
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Philipp Bros Chem, 37 Wall St, N Y
*Specialty Resins Co, 2801 Lynwood Rd, Lynwood, Cal
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
Tuteur Bio-Chem, 60 Wall St, N Y 5
Wisconsin Solvents & Chem Corp, 1719 S 83 St, Milwaukee 14, Wis

DIOCTYL SEBACATE

J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Deecy Products Co, 120 Potter St, Cambridge 42, Mass
Elbert & Co, 2 Broadway, N Y
*Hardesty Chem Co, 41 E 42 St, N Y
*Specialty Resins Co, 2801 Lynwood Rd, Lynwood, Cal

*Company classifies itself as manufacturer or producer of this product

DIPHENYLACETONITRILE
FOR SYNTHESIS OF
ANTISPASMODICS AND ANALGESICS

•

SPECIAL CHEMICALS DIVISION

Winthrop-Stearns INC.

1450 BROADWAY, NEW YORK 18, N. Y.

DIOXANE (1,4-Dioxane, Diethylene Dioxide)

$O:(CH_2CH_2)_2:O$. M.W. 88.10. Colorless liq. with faint pleasant odor. Solvent for water, cellulose acetate, ethyl cellulose, benzyl cellulose, resins, vegetable and mineral oils, fats, greases, lignin. Uses—solvent in mfr. of lacquers, varnishes, paint and varnish removers, detergents; dispersing agent in dye baths; in mounting tissue specimens.

J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass

1,4-DIOXANE see Dioxane

2:6-DIOXYPURINE see Xanthine

DIOXYTRIPHENYLCARBINOL see Phenolphthalein

DIOXYTRIPHENYLPHTHALIDE (see Phenolphthalein)

DIPENTAERYTHRITE see Dipentaerythritol

DIPENTAERYTHRITOL (Dipentaerythrite)

$(CH_2OH)_3C{\cdot}CH_2{\cdot}O{\cdot}H_2C(CH_2OH)_3$. M.W. 254.28. White powder. M.P. 221°C. Sol. hot water. Insol. hydrocarbons. Uses—mfr. of varnishes, resins, and synth. drying oils.

Barclay Chem Co, 75 Varick St, N Y
Chematar Inc, Exchange Pl, N Y 5
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Trojan Powder Co, 17 N 7 St, Allentown, Pa

DIPENTANOL see Alcohol, sec-Amyl

DIPENTENE (Terpene)

Hydrocarbons with the general formula $C_{10}H_{16}$. Den. 0.865. Colorless liq., insol. water, alcohol, ether. B.P. 180-190°C (90%). Uses—flavoring, in medicine.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
*Crosby Chem, Drawer 32, De Ridder, La
*Dixie Pine Products Co, Drawer 470, Hattiesburg, Miss
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
Hird & Conner, 88 Broad St, Boston 10, Mass
Kingston Chem Co, 15 William St, N Y 5
*Louisiana Pine Products Co, P O Box 814, Alexandria 4, La
*Newport Industries, 230 Park Ave, N Y 17
*Southern Naval Stores, Columbia, Miss
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
T C Wilson Co, 503 Market St, San Francisco 5, Cal

DIPENTENE GLYCOL see Terpin Hydrate

DIPHENYL (Biphenyl, Phenyl Benzene)

$C_6H_5.C_6H_5$. M.W. 154.08. Light yellow crystalline solid. B.P. 255.6°C. F.P. 68.5°C. Uses—as a high temp. low pressure heat transfer medium; as a dielectric fluid; also starting point for many derivatives such as chlorinated diphenyl, sulfonic acid, nitro, amino and hydroxy compounds.

American Firstoline Corp, 420 Lexington Ave, N Y
*Dow Chem Co, Midland, Mich
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo

DIPHENYL ACETONITRILE

$(C_6H_5)_2CHCN$. M.W. 193. Colorless cryst. Insol. water; very sol. alcohol. Uses—prep. of diphenylacetic acid, p-diphenyl ethylamine and synthesis of anti-spasmodics.

*Bios Labs, 17 W 60 St, N Y 23
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
*Winthrop-Stearns, 1450 Broadway, N Y 18

DIPHENYL AMINE (Phenylaniline)

$(C_6H_5)_2NH$. Colorless to gray leaflets. Sp. gr. 1.159. M.P. 54°C. B.P. 302°C. Sol. alcohol, ether; sl. sol. water. Uses—mfr. sulfur and other dyes, intermediates, organic chemicals, sulfur blues, aurantia, orange IV, metanil yellow, acridine diphenylhydrazin, diphenylamine blue and orange, diphenyl blue, arhovin, carbazol; stabilizer of nitrocellulose explosives and celluloid; colloidal metal solutions; synth. perfume preps. Grades—tech.

American Firstoline Corp, 420 Lexington Ave, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*E I Du Pont de Nemours & Co, Explosives Dept, Chem & Misc Sales Section & Grasselli Chem Dept, Wilmington 98, Del
Fallek Products Co, 163 Broadway, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38

DIPHENYL AMINE

*E I Du Pont de Nemours & Co, Explosives Dept, Chem & Misc Sales Section, Wilmington 98, Del
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

DIPHENYL CARBAZIDE

$(C_6H_5NHNH)_2CO$.

*Fine Organics, 211 E 19 St, N Y 3
*Matheson Co, Paragon Div, E Rutherford, N J

DIPHENYL CARBONATE

$(C_6H_5)_2CO_3$. M.W. 214. White crystalline solid. M.P. 78°C. B.P. 302°C; 168°C (15 mm). Insol. in water, sol. in hot alcohol, ether, acetic acid, acetone, and most aromatic solvents. Volatility of 22.0% compared with 100% for camphor. Compatible with cellulose acetate, effecting ready solution to form a clear and uniform plastic comparable to that formed with camphor. It is similarly recommended for ethyl cellulose plastic. Forming odorless and less combustible plastic with nitrocellulose, it lends itself for substitution of up to 50% of the camphor content of such plastics.

*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6

o-DIPHENYLENE-ETHYLENE see Phenanthrene

DIPHENYLENEKETONE see Anthraquinone

DIPHENYL GUANADINE (Melaniline, D. P. G. Salt)

$C_{13}H_{13}N_3$. White, crystalline powd. or needles. M.P. 147°C. Decomp. at 170°C. Sol. water, alcohol. Uses—rubber accelerator. Grades—tech.; powd. (97%).

Akron Chem Co, 255 Fountain St, Akron, Ohio
Bendix Chem Corp, 420 Lexington Ave, N Y
*Calco Chem Div, Bound Brook, N J
Chem Mfg Co, 21 West St, N Y
Cole Labs, 42-25 9 St, L I C 1, N Y
*E I Du Pont de Nemours & Co, Organic Chem Dept, Rubber Chem Div, Wilmington 98, Del
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio
Witco Chem Co, 295 Madison Ave, N Y 17

DIPHENYL HYDANTOIN

$C_{15}H_{12}O_2N_2$. M.W. 252.1. White, odorless needle like cryst. M.P. 295-298°C. Insol. water; sol. sodium hydroxide soln.

Philipp Bauer Co, 2 W 47 St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
*Fine Organics, 211 E 19 St, N Y 3
Lack Chem Co, 19 Park Pl, N Y 7
*Lamex Chem Corp, 25 Broadway, N Y 4

DIPHENYL HYDANTOIN, SODIUM

Philipp Bauer Co, 2 W 47 St, N Y
Conray Products, 510 6 Ave, N Y 11
Fallek Products Co, 163 Broadway, N Y 6
*Fine Organics, 211 E 19 St, N Y 3
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Lack Chem Co, 19 Park Pl, N Y 7
*Lamex Chem Corp, 25 Broadway, N Y 4
*Polychem Co, 494 Hunts Point Ave, N Y 59

DI-PHENYL-HYDRAZINE see Hydrazobenzene

DIPHENYL KETONE see Benzophenone

DIPHENYL METHANE (Methylenediphenyl, Benzylbenzene)

$(C_6H_5)_2CH_2$. Colorless, long needles. Sp. gr. 1.001. M.P. 26.5°C. B.P. 261°C. Sol. alcohol, ether. Uses—mfr. intermediates, dyestuffs, organic chemicals, synth. pelargonium oil, floral ottes. Grades—tech.

Dodge & Olcott, 180 Varick St, N Y 14
*Dow Chem Co, Midland, Mich
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Kay-Fries Chem, 180 Madison Ave, N Y 16
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
*Trubek Labs, State Hway Rt 17, E Rutherford, N J
*Verona Chem Co, 26 Verona Ave, Newark, N J

DIPHENYL OXIDE

$(C_6H_5)_2O$. Colorless cryst., geranium odor. Sp. gr. 1.0728. M.P. 27°C. B.P. 259°C. Uses—perfume, organic synthesis.

Dodge & Olcott, 180 Varick St, N Y 14
*Dow Chem Co, Midland, Mich
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Geo Luedders & Co, 427 Washington St, N Y 13
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

DIPHENYL PHTHALATE

The diphenyl salt of phthalic acid. Uses—as a plasticizer.

*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo

DIPHENYL THIOCARBAZONE

$C_6H_5.N.N.CS.NH.NH.C_6H_5$. M.W. 256.19. Bluish-black cryst. powd. Insol. in water; sparingly sol. in alcohol, freely in carbon tetrachloride, chloroform. Solns. not stable, but may may be preserved by a layer of aq. SO_2. Uses—sensitive reagent for several heavy metals, Co, Cu, Pb and Hg. Particularly used for estimation of minute amount of Pb.

J T Baker Chem Co, Phillipsburg, N J
*Distillation Products Industries, Rochester 3, N Y
*Fine Organics, 211 E 19 St, N Y 3

*Company classifies itself as manufacturer or producer of this product

BUYERS' GUIDE ISSUE

DIPHENYLENE OXIDE

$(C_6H_4)_2O$. M.W. 168.18. Crystalline solid. M.P. 86° C. Sol. ether, benzene; insol. water; sol. hot alcohol.

Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind

a-b-DIPHENYLTHIOUREA see Thiocarbanilide

DIPPEL see Oil, Bone

DIPROPYL KETONE (Butyrone)

$(CH_3CH_2CH_2)_2CO$. Colorless liq. Sp. gr. .8162 at 20/20°C. B.P. 143.4°C. Solubility in water 0.5% at 20°C. Sol. alcohol, hydrocarbons an most organic liq. Uses—in lacquers as high boiling ketone; solvent for resins. Grades—tech.

Merchants Chem Co, 60 E 42 St, N Y 17
*Seeley & Co, 1 Main St, Nyack, N Y

DIPROPYLENE GLYCOL

$(CH_3CHOHCH_2)_2$. M.W. 134.17. Colorless, sl. viscous liq. B.P. 231.8°C. Sp. gr. 1.0252 at 20°C. Sol. in water and most organic solvents (gasoline excepted). Uses—solvent for shellac, nitrocellulose; partially compatible with cellulose acetate. More active as a solvent than either propylene glycol or diethylene glycol.

J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y 16
John A Chew, 60 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
Legion Chem, 70 Wall St, N Y 5
Merchants Chem Co, 60 E 42 St, N Y 17

DIPROPYLENE GLYCOL METHYL ETHER

American Mineral Spirits Co, 155 E 44 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*Dow Chem Co, Midland, Mich

DIPROPYLENE GLYCOL MONO STEARATE

*Wessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa

DIPROPYLENE GLYCOL PHENYL ETHER

*Dow Chem Co, Midland, Mich

DIPROPYLENE TRIAMINE

*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

DIPROPYLMETHANE see Heptane

DIPYRIDYL (2,2'-Bipyridyl, 2,2'-Bipyridine)

$(C_5H_4N)_2$ M.W. 156. White cryst. M.P. 70°C. Uses—oxidation-reduction indicator; colorimetric determination of ferrous iron; drying agent for paints.

*Bios Labs, 17 W 60 St, N Y 23
City Chem Corp, 132 W 22 St, N Y 11
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
*Matheson Co, Paragon Div, E Rutherford, N J
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

DISCHARGE AGENTS, TEXTILE

Usually a reducing agent most common of which is sodium hydrosulfite. Used to reduce the ground color in discharge printing on silk, cotton or rayon fabrics, as an ingredient in vat dyeing and as a stripper to remove dyestuffs from fabrics for redyeing. There are several proprietary products for special stripping purposes where hydrosulfite is ineffectual or unsuitable.

Antara Products Div, 435 Hudson St, N Y 14
J M Baird Co, 147 Nassau St, N Y
*Ciba Co, 627 Greenwich St, N Y 14
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Tennessee Eastman Co, 10 E 40 St, N Y 16
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

DISCHARGE LAKE R see p-Nitraniline, Red

DISINFECTANT BASES

Coal-tar acids, coal-tar chemicals used as the base in the mfr. of coal-tar disinfectants. Pine oil used as the base for the production of pine oil disinfectants

J M Baird Co, 147 Nassau St, N Y
*Barrett Div, 40 Rector St, N Y 6
Bendix Chem Corp, 420 Lexington Ave, N Y
*E F Drew & Co, 15 E 26 St, N Y 10
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Louisiana Pine Products Co, P O Box 814, Alexandria 4, La
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Standard Chem Co, 217 New St, Phila, Pa
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill
*Universal Chem Co, 30 Huntington Ave, Boston, Mass

DISINFECTANTS, COAL TAR

Coal tar disinfectants owe their potency largely to the phenolic compounds they contain and are made in emulsion and sol. types. The emulsion type is made from tar acid oils, soaps (frequently rosin soap) and water, and when diluted for use in water form whitish emulsions. They are mfr. with phenol coefficients ranging from 2 to 20. The sol. type is made from tar acids, usually cresols and xylenols, soap, alkali and water and from clear or sl. analescent solutions when diluted with water for use. Liquor cresolis compositus U.S.P. XI is a soluble type disinfectant made according to the specification of the U.S. Pharmacopoeia. The Bureau of Animal Industry (B.A.I.) type is another example of the sol. type coal tar disinfectant.

American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
*Barrett Div, 40 Rector St, N Y 6
John A Chew, 60 E 42 St, N Y 17
Cole Labs, 42-25 9 St, L I C 1, N Y
*Coopers Creek Chem Corp, 98 River Rd, Conshohocken, Pa
Harry H Davidson, 17 State St, N Y 4
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Fine Organics, 211 E 19 St, N Y 3
*Gerson Stewart Corp, Lisbon Rd, Cleveland 4, Ohio
*Hysan Products Co, 932 W 38 Pl, Chicago 9, Ill
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*McLaughlin Gormley King Co, 1715 S E 5 St, Minneapolis 14, Minn
Merchants Chem Co, 60 E 42 St, N Y 17
*Pingo Co, 79 Sudbury St, Boston 14, Mass
Plunkett Chem Co, 3500 S Morgan St, Chicago 9, Ill
Puritan Mfg Co, P O Box 564, Waterbury 85, Conn
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Rubber Asphalt Oil & Mining Corp, 1833 Marney Ave, Los Angeles 32, Cal
*Standard Chem Co, 217 New St, Phila, Pa
M C Thomas Co, 11 Commerce St, Norwalk, Conn
*Thomoson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Zophar Mills, 116 26 St, Bklyn 32, N Y

DISINFECTANTS, DAIRY

*Ahles-Wilson Chem Corp, 307 S Ave, N Y 16
*Alrose Chem Co, 180 Mill St, Cranston 5, R I
*Ampion Corp, 4-88 47 Ave, L I C 1, N Y
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Barton Chem Co, 3909-11 S Langley Ave, Chicago 15, Ill
Bendix Chem Corp, 420 Lexington Ave, N Y
Bio-Research Labs, Sta A Box 145, Berkeley, Cal
*Buckingham Wax Co, 51-03 Van Dam St, L I C, N Y
Carrier-Stephens Co, Lansing, Mich
*Cloroben Corp, 225 Mercer St, Jersey City 2, N J
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Damon Chem Co, 527 E Cambridge St, Alliance, Ohio
*Diversey Corp, 1820 Roscoe St, Chicago, Ill
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Fine Organics, 211 E 19 St, N Y 3
*Fuld Bros, 702 S Wolfe St, Baltimore 31, Md
*Gerson Stewart Corp, Lisbon Rd, Cleveland 4, Ohio
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
*Huntington Labs, Huntington, Ind
*Hysan Products Co, 932 W 38 Pl, Chicago 9, Ill
*Industrial Colloids & Chem, 127 W Jackson Ave, Knoxville 11, Tenn
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
McCann Chem Co, 712 W Jefferson St, Louisville, Ky
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
*Michel & Pelton Co, 5743 Landregan St, Oakland 8, Cal
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
Overseas Trading Corp, 420 Lexington Ave, N Y 17
Plunkett Chem Co, 3500 S Morgan St, Chicago 9, Ill
Puritan Mfg Co, P O Box 564, Waterbury 85, Conn
Riesen Chem Corp, 418 W Vliet St, Milwaukee 12, Wis
*Rohm & Haas Co, Washington Sq, Phila 5, Pa

DISINFECTANTS, DAIRY, continued

*Science Industries, 609-15 Geyer Ave, St Louis 4, Mo
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Turco Products, P O Box 2649 Terminal Annex, Los Angeles 54, Cal
*Uncle Sam Chem Co, 575 W 131 St, N Y 27
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*Whitmoyer Labs, 19 N Railroad St, Myerstown, Pa
*Wyandotte Chem Corp, J B Ford Div, Wyandotte, Mich

DISINFECTANTS, HOUSEHOLD

Bio-Research Labs, Sta A Box 145, Berkeley, Cal
Curley Co, 1432 N Randolph St, Phila 22, Pa
*Nowlin Co, 1410 Throckmorton St, P O Box 1153 Fort Worth, Tex
*Old Empire Mfg Chemists, 31-33 Coes Pl, Newark 2, N J

DISINFECTANTS, HYPOCHLORITE

Products which liberate free (nascent) chlorine to sterilize and disinfect; sold on the basis of available chlorine content. See Commercial Standard CS68-38, Nat. Bureau of Standards, U. S. Dept. of Commerce.

Central Illinois Labs, 1801 S Washington St, Peoria, Ill
Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
Dehls & Stein, 237 South St, Newark 5, N J
*Diversey Corp, 1820 Roscoe St, Chicago, Ill
*Finger Lakes Chem Co, Etna, N Y
Legrand Chem Corp, 103 50 St, Bklyn 32, N Y
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
Merchants Chem Co, 60 E 42 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*No-Name Products, 1218 W Pierce St, Milwaukee, Wis
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*Zophar Mills, 116 26 St, Bklyn 32, N Y

DISINFECTANTS, INDUSTRIAL

Products, usually of the coal tar, pine oil or hypochlorite type, used in industrial establishments, packing houses, railroads, etc., for sterilizing, disinfecting and the general maintenance of sanitary conditions.

Bio-Research Labs, Sta A Box 145, Berkeley, Cal
*Buckman Labs, Memphis, Tenn
*Burkart-Schier Chem Co, Chestnut St at 13, Chattanooga 2, Tenn
John A Chew, 60 E 42 St, N Y 17
*Ciba Co, 627 Greenwich St, N Y 14
*Diversey Corp, 1820 Roscoe St, Chicago, Ill
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Fiber Chem Corp, Box 218, Matawan, N J
*Gerson Stewart Corp, Lisbon Rd, Cleveland 4, Ohio
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*National Chem Co, 1506 Industrial St, Los Angeles 21, Cal
*Penetone Co, 74 Hudson Ave, Tenefly, N J
Puritan Mfg Co, P O Box 564, Waterbury 85, Conn
*U S Sanitary Specialties Corp, 1001 S California Ave, Chicago 12, Ill
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
*Wyandotte Chem Corp, J B Ford Div, Wyandotte, Mich

DISINFECTANTS, PINE OIL

Products formulated with pine oil or pine oil derivatives and used for sterilizing and disinfecting. See Commerce Dept. of Commerce. cial Standard CS69-38, Nat. Bureau of Standards, U. S.

*Barco Chem Products Co, 701 S LaSalle St, Chicago, Ill
Bio-Research Labs, Sta A Box 145, Berkeley, Cal
*Burns Allen Co, 58 Pearl St, Buffalo, N Y
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
*Central O B Products Co, 1230 Genessee St, Buffalo, N Y
John A Chew, 60 E 42 St, N Y 17
Curley Co, 1432 N Randolph St, Phila 22, Pa
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Gerson Stewart Corp, Lisbon Rd, Cleveland 4, Ohio
*Hysan Products Co, 932 W 38 Pl, Chicago 9, Ill
*Milwaukee Chem Co, 204 N Broadway, Milwaukee, Wis
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Nowlin Co, 1410 Throckmorton St, P O Box 1153 Fort Worth, Tex
*Old Empire Mfg Chemists, 31-33 Coes Pl, Newark 2, N J
*Pingo Co, 79 Sudbury St, Boston 14, Mass

*Company classifies itself as manufacturer or producer of this product

PIGMENT DISPERSIONS

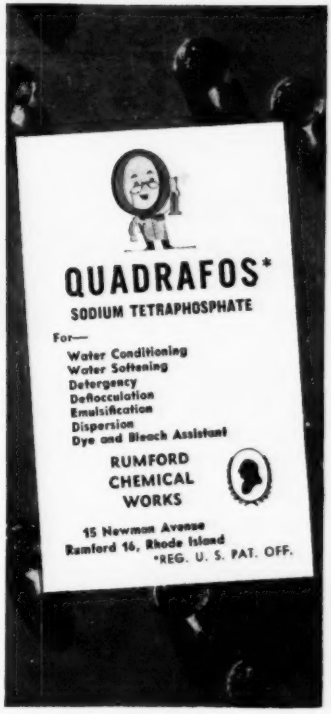
In Nitrocellulose, Synthetic Resins and other binders

RBH

DISPERSIONS

DIVISION OF INTERCHEMICAL CORPORATION

BOUND BROOK, NEW JERSEY



DISINFECTANTS, PINE OIL, continued

Plunkett Chem Co, 3500 S Morgan St, Chicago 9, Ill
Puritan Mfg Co, P O Box 564, Waterbury 85, Conn
George B Robbins Disinfectant Co, 42-44 Carleton St, Cambridge, Mass
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Safran Chem & Supply Co, 531-33 Washington St, Lynn, Mass
*Schmidt Soap Products, 236 W North Ave, Chicago, Ill
H V Smith & Co, 1910 University Ave, St Paul 4, Minn
*Standard Chem Co, 217 New St, Phila, Pa
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Zophar Mills, 116 26 St, Bklyn 32, N Y

DISINFECTANTS, SEED

Preps. for treating seeds to prevent fungus and other growths and to check "damping-off" of seedlings: are usually complex compounds of mercury, arsenic, and copper; also hydrogen peroxide.

*E I Du Pont de Nemours & Co, Organic Chem Dept, Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

DISODIUM ETHYLENEDIAMINE TETRACETATE (Dihydrate)

$(CH_2COOH)_2NCH_2CH_2N(CH_2COONa)_2.2H_2O$. M.W. 372. White crystalline powd. Partial sol. water. Uses—complexing agent for alkali earths and heavy metals.

*Alrose Chem Co, 180 Mill St, Cranston 5, R I
*Bersworth Chem Co, 609 Waverly St, Framingham, Mass
*Bios Labs, 17 W 60 St, N Y 23
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal

DISODIUM DIHYDROGEN PYROPHOSPHATE see Sodium Acid Pyrophosphate

DISODIUM METHYL ARSENATE see Arrhenal

DISODIUM MONOMETHYLARSENATE see Sodium Methylarsenate

DISODIUM o-PHOSPHATE see Sodium Phosphate, Di-Sodium

DISPERSING AGENTS, CEMENTS

*Ceresit Waterproofing Corp, 3227 Shields Ave, Chicago 16, Ill
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Essential Chem Co, 2200 N 32 St, Milwaukee, Wis
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Marathon Corp, Rothschild, Wis
*Master Builders, Euclid & Thomas Aves, Cleveland 3, Ohio
*Ninol Labs, 1719 S Clinton St, Chicago 16, Ill
*Rumford Chem Works, Rumford, R I
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

DISPERSING AGENTS, LEATHER

Products which assist in obtaining a max. degree of particle comminution, prevent the particles from reaggregating, forcing and keeping them apart.

Antara Products Div, 435 Hudson St, N Y 14
*Arista Oil Products Co, 39 Broadway, N Y 6
*Ciba Co, 627 Greenwich St, N Y 14
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
M Michel & Co, 90 Broad St, N Y 4
*National Aniline Div, 40 Rector St, N Y 6
*National Casein Sales, 601-619 W 80 St, Chicago 20, Ill
*Ninol Labs, 1719 S Clinton St, Chicago 16, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Rumford Chem Works, Rumford, R I
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

DISPERSING AGENTS, PAPER

Substances added to the pulp in the beater to keep foreign articles such as resins in fine suspension, or to paper coating mixtures for the suspension of clay fillers, color pigments, etc., before and during application. Sulfonated oils are commonly used for this purpose.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Antara Products Div, 435 Hudson St, N Y 14
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Ciba Co, 627 Greenwich St, N Y 14
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Essential Chem Co, 2200 N 32 St, Milwaukee, Wis
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*Haas-Miller Corp, 4 & Bristol Sts, Phila 40, Pa
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*National Aluminate Corp, 6216 W 66 Pl, Chicago 38, Ill
*National Aniline Div, 40 Rector St, N Y 6
*Ninol Labs, 1719 S Clinton St, Chicago 16, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Pioneer Salt Co, 940 N Delaware Ave, Phila, Pa
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Rumford Chem Works, Rumford, R I
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

DISPERSING AGENTS, PIGMENT

Substances used for dispersing insol. pigments in inks, paints, dye baths, coating mixtures, etc.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
Akron Chem Co, 255 Fountain St, Akron, Ohio
*American Cholesterol Products, Middlesex Co, N J
American Lecithin Co, 57-01 32 Ave, Woodside, N Y
Antara Products Div, 435 Hudson St, N Y 14
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
John A Chew, 60 E 42 St, N Y 17

DISPERSING AGENTS, PIGMENT, continued

*Ciba Co, 627 Greenwich St, N Y 14
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Marathon Corp, Rothschild, Wis
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*M Michel & Co, 90 Broad St, N Y 4
*National Aniline Div, 40 Rector St, N Y 6
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
Ross & Rowe, 50 Broadway, N Y 4
*Rumford Chem Works, Rumford, R I
*Van Dyk & Co, Main & William Sts, Belleville, N J
R T Vanderbilt Co, 230 Park Ave, N Y
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

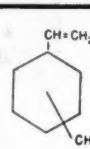
DISPERSING AGENTS, RUBBER

Preps. employed to assist dispersing rubber compounding materials properly in water or other mixing medium. Should be neutral in action, non-toxic, have no discoloring effect on the finished article, nor any effect on the rate of cure or ageing of the rubber compounds.

Akron Chem Co, 255 Fountain St, Akron, Ohio
Antara Products Div, 435 Hudson St, N Y 14
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Marathon Corp, Rothschild, Wis
*Ninol Labs, 1719 S Clinton St, Chicago 16, Ill

*Company classifies itself as manufacturer or producer of this product

KOPPERS
Divinylbenzene
DVB, 40-50% DVB, 20-25%



● Divinylbenzene is useful both as a chemical intermediate and as a starting material for the preparation of specialty copolymers and resins. Divinylbenzene is used for the production of "super processing" GR-S synthetic rubbers, for potting and laminating resins, for modified drying oils, for synthetic ion exchange resins.

KOPPERS COMPANY, INC.
Chemical Division
PITTSBURGH 19, PA.

KOPPERS

DISPERSING AGENTS, RUBBER, continued

*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Plastichemicals Co, 1 Beekman St, N Y 38
R T Vanderbilt Co, 230 Park Ave, N Y
*West Va Pulp & Paper Co, 230 Park Ave, N Y 17
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

DISPERSING AGENTS, TEXTILE

Preps. used din any of the various textile processes to keep dyestuffs, pigments, oils, waxes, foreign particles such as dirt, grease, calcium or magnesium compounds in suspension.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Antara Products Div, 435 Hudson St, N Y 14
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Burkart-Schier Chem Co, Chestnut St at 13, Chattanooga 2, Tenn
*Carlstadt Chem Co, Carlstadt, N J
John A Chew, 60 E 42 St, N Y 17
*Ciba Co, 627 Greenwich St, N Y 14
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Emkay Chem Co, 319 2 St, Elizabeth 1, N J
*Essential Chem Co, 2200 N 32 St, Milwaukee, Wis
*Fabric Chem Co, 61 Cornelison Ave, Jersey City 4 N J
*Fiber Chem Corp, Box 218, Matawan, N J
*Geigy Co, 89 Barclay St, N Y 8
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Laural Soap Mfg Co, Tioga & Thompson St, Phila 34, Pa
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*Marathon Corp, Rothschild, Wis
M Michel & Co, 90 Broad St, N Y 4
*National Aniline Div, 40 Rector St, N Y 6
*Ninol Labs, 1719 S Clinton St, Chicago 16, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
Petroleum Specialties, 205 E 42 St, N Y 17
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Protean Chem Corp, 150 Nassau St, N Y 38
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Royce Chem Co, Carlton Ave, Carlton Hill, N J
*Rumford Chem Works, Rumford, R I
*Scher Bros, 519 Getty Ave, Clifton, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
*West Va Pulp & Paper Co, 230 Park Ave, N Y 17
Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

DISPERSIONS, NATURAL RESINS AND GUMS

Dispersions of natural resins and gums in various viscosities for adhesives, coatings, saturations and dipping.

*Fabric Chem Co, 61 Cornelison Ave, Jersey City 4, N J
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*National Rosin Oil Products Co, 1270 Ave of the Americas, N Y 20
*Ninol Labs, 1719 S Clinton St, Chicago 16, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

DISPERSIONS, PIGMENTS

S L Abbot Co, 135 King St, San Francisco 7, Cal
American Firstoline Corp, 420 Lexington Ave, N Y
*Argus Chem Lab, 56 Clifton Pl, Bklyn 5, N Y
J M Baird Co, 147 Nassau St, N Y
*Federal Color Labs, 4633 Forest Ave, Norwood 12, Ohio
*Filo Color & Chem Corp, 202 E 44 St, N Y
Harmon Color Works, P O Box 14, Hawthorne, N J
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
Lewis Chem Co, 400 Northampton St, Boston 18, Mass
*Monroe Sander Corp, 10-18 46 Ave, L I C 1, N Y
*C J Osborn Co, 132 Nassau St, N Y
Paul J Pauls, 7-9 Watchung Ave, Plainfield, N J
*Pennsylvania Color & Chem Co, Pine Run Rd, Doylestown, Pa
*R B H Dispersions, 2 Hamilton St, Bound Brook, N J
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*R T Vanderbilt Co, 230 Park Ave, N Y
*Warwick Chem Co Div, Wood River Junction, R I

DISPERSIONS, SYNTHETIC RESINS

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*American Anode, 60 Cherry St, Akron 8, Ohio
*American Finish & Chem Co, 1012 Broadway, Chelsea 50, Mass
*Angier Products, 120 Potter St, Cambridge 42, Mass
*Arabol Mfg Co, 110 E 42 St, N Y 17
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Durez Plastics & Chem, 5 Walck Rd, N Tonowanda, N Y
Harmon Color Works, P O Box 14, Hawthorne, N J
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20
*Naugatuck Chem, Naugatuck, Conn
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*C J Osborn Co, 132 Nassau St, N Y
*Pennsylvania Color & Chem Co, Pine Run Rd, Doylestown, Pa
*Shawinigan Products Corp, 350 5 Ave, N Y 1
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J

DITHIOCARBAMATES

Metal salts of dialkyl-dithiocarbamic acids. Uses—rubber vulcanization accelerators, oil additives, fungicides.

*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Florida Agricultural Supply Co, 1611 Talleyrand Ave, Jacksonville, Fla
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Sharples Chem, 123 S Broad St, Phila 9, Pa
*Specialty Resins Co, 2801 Lynwood Rd, Lynwood, Cal

DITHYMOL DIIODIDE see Thymol Iodide

DI-o-TOLYLGUANIDINE

$NH.C(NH.CrC_7H_7)_2$. White powd. Sp. gr. 1.10. M. P. 179°C. Sol. alcohol, water. Uses—rubber accelerator.

*Calco Chem Div, Bound Brook, N J
*E I Du Pont de Nemours & Co, Organic Chem Dept, Rubber Chem Div, Wilmington 98, Del
*Specialty Resins Co, 2801 Lynwood Rd, Lynwood, Cal
Witco Chem Co, 295 Madison Ave, N Y 17

DIURETIN see Theobromine Sodium Salicylate

DIVI DIVI

Fruit of Caesalpinia copiaria. Habitat—West Indies. Uses—tanning leather. Grades—pods; extract.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Dyewood Co, 285 Madison Ave, N Y
Dalton-Cooper, 200 W 34 St, N Y

DIVINYL see Butadiene

DIVINYL BENZENE

$C_6H_4(CH.CH_2)_2$. M.W. 130.60. Tan liq. Uses—cross-linking agent in certain polymers; polymerizes with itself to form tough, insol., infusible resins.

*Dow Chem Co, Midland, Mich
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa

DL VALINE

*Bios Labs, 17 W 60 St, N Y 23
*Dow Chem Co, Midland, Mich
*Smith-N Y Co, 61 Hampton Pl, Freeport, N Y
*Winthrop-Stearns, 1450 Broadway, N Y 18

DODECANOYL PEROXIDE see Lauroyl Peroxide

1-DODECENE

*Humphrey-Wilkinson, De Vine St, N Haven, Conn
*Metropolitan Chem Co, 17 W 60 St, N Y 23

DODECYL BROMIDE see Lauryl Bromide

DODECYL DISULFIDE (Di-tert.)

$(C_{12}H_{25})_2S_2$. M.W. 433.62. B.R. 266-409° C. Uses—chemical intermediate.

Cabell Chem Co, 101 22 St, Huntington, W Va
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

DODECYL IODIDE

*Halogen Chem, 1505 Charlton Dr, Columbia, S C

DODECYL MERCAPTAN

*Bios Labs, 17 W 60 St, N Y 23
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y

DODECYL MERCAPTAN (tert.)

$C_{12}H_{25}SH$. Sp. gr. 0.871 at 60/60°F. B.P. 224-232°C. Purity 97% (hydrocarbon impurity). Suggested uses—organic synthesis; pharmaceuticals, insecticides, fungicides, solvent, polymerization modifiers and as an additive in rubber and plastics.

*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
*Sharples Chem, 123 S Broad St, Phila 9, Pa

DODECYL TOLUENE

DOLOMITE (Bitter Spar, Brown Spar, Rhombic Spar)

$CaMg(CO_3)_2$. White, solid crystalline. Sp. gr. 2.89—2.924. Sol. acids. Uses—mfr. magnesium compounds, potteries, porcelains, glazes for ceramic ware, cement, plaster, brick and building stone, refractory linings for metallurgical furnaces; in fertilizers.

Bradley & Baker, 155 E 44 St, N Y 17
Stanley Doggett, 75 Varick St, N Y 13
*Manufacturers Min Co, Box 3144, Seattle, Wash
*Metallurg Inc, 100 Park Ave, N Y 17
*Warner Co, 219 N Broad St, Phila 7, Pa

DOLOMOL see Magnesium Stearate

DOPES, AIRPLANE

J M Baird Co, 147 Nassau St, N Y
*J Landau Co, 221 Wooster St, N Y 12
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass

DOPES, LACQUER

J M Baird Co, 147 Nassau St, N Y
*Chem Products Corp, King Philip Rd, E Providence, R I
*V J Dolan & Co, 1830 N Laramie Ave, Chicago 39, Ill
Howe & French, Mfg Dept, E Weymouth, Mass
*J Landau Co, 221 Wooster St, N Y 12
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass

DOPES, LEATHER (Artificial)

J M Baird Co, 147 Nassau St, N Y
*Chem Products Corp, King Philip Rd, E Providence, R I
*Compo Chem Co, 150 Causeway St, Boston 14, Mass
*J Landau Co, 221 Wooster St, N Y 12
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass

*Company classifies itself as manufacturer or producer of this product

DRAGON'S BLOOD (Sanguis Draconis)

Resinous exudation from fruit of palm trees. Red, solid amorp., odorless. Natural. M.P. 120°C. Sol. alcohol, ether, volatile and fixed oils, chloroform, etc. Uses—coloring for lacquers, plasters, paper, marble, stoneware, toilet preps., pigments, tanning extracts, tooth-powder, furniture polish, paints, varnishes, lithography, process engraving; in medicine. Grades—tech. (Calamus Draco); reeds; mass; powd.

American-British Chem Supplies, 180 Madison Ave, N Y
P S Busschaert, 116 John St, N Y
*Philip A Hunt Co, Palisades Park, N J
*Meer Corp, 318 W 46 St, N Y 19
Senefelder Co, 32-34 Greene St, N Y 13

DRAWING COMPOUNDS, INK

DRAWING COMPOUNDS, WIRE

Lubricating agents that increase smoothness and brightness of high carbon steel wires, and prolong life of the dies.

*Acheson Colloids Corp, 1635 Washington Ave, Port Huron, Mich
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Atlantic Refining Co, 260 S Broad St, Phila, Pa
*Baker Castor Oil Co, 120 Broadway, N Y 5
James V Bibbo Co, 110 Washington St, N Y 6
Frank J Breen, 5340 S Maryland Ave, Chicago, Ill
*Crystal Soap & Chem Co, 6308 State Rd, Phila 35, Pa
*Dell Co, 20 E Jackson Blvd, Chicago 4, Ill
*Fiske Bros Refining Co, 129 Lockwood St, Newark, N J
*Franklin Oil & Gas Co, Bedford, Ohio
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Kali Metal Co, 427 Moyer St, Phila 25, Pa
*Mathe Chem Co, 169 Milbank St, Lodi, N J
Merchants Chem Co, 60 E 42 St, N Y 17
*Milwaukee Chem Co, 204 N Broadway, Milwaukee, Wis
*Murphy's Oil Soap Co, 9505 Cassius Ave, Cleveland, Ohio
*N Y & N J Lubricant Co, 292 Madison Ave, N Y 17
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Parker Rust-Proof Co, 2177 E Milwaukee Ave, Detroit 11, Mich
Penola Oil Co, 3780 Penobscot Bldg, Detroit 26, Mich
*Phoenix Oil Co, 9505 Cassius Ave, Cleveland, Ohio
*G Whitfield Richards, 1732 Carlton St, Phila 3, Pa

DRESSINGS, BELT

Preps., usually in liq. or stick form to prevent "slipping," to increase and preserve the life of belts, to make them soft and pliable, prevent stretching and in the case of rubber belts from peeling off. Special dressings are made for leather, cotton, and rubber belts.

*American Lanoline Corp, 13 Railroad St, Lawrence, Mass
*Baker Castor Oil Co, 120 Broadway, N Y 5
*Barrett Varnish Co, 1532 S 50 Court, Circero 50, Ill
*H Gartenberg & Co, 412 Pershing Rd, Chicago 9, Ill
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Pennsylvania Refining Co, 2686 Lisbon Rd, Cleveland, Ohio
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

DRESSINGS, LEATHER

Preps. used to revive color, restore softness and pliability, and to prevent cracking; used on both new and old leather.

*American Finish & Chem Co, 1012 Broadway, Chelsea 50, Mass
*Apex Chem Co, 225 W 34 St, N Y 1
*Fiber Chem Corp, Box 218, Matawan, N J
*H Gartenberg & Co, 412 Pershing Rd, Chicago 9, Ill
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Kepac Chem Corp, 1454 N 4 St, Milwaukee, Wis
New England Chem Co, 486 Boylston St, Boston 16, Mass

DRESSINGS, RUBBER

*Baltimore Paint & Color Works, 150 S Calverton Rd, Baltimore 23, Md

DRIERS, COBALT

Preps of various cobalt oxides added to paint mixtures to accelerate drying of the film, or added during the process of boiling linseed or other paint oils, to increase their drying properties.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American Firstoline Corp, 420 Lexington Ave, N Y
*American Lithographic Varnish Co, 926 Harrison Ave, Kearny, N J
J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Industrial Lining Engrs, 35 & Smallman Sts, Pittsburgh, Pa
*Mathe Chem Co, 169 Milbank St, Lodi, N J
*New Wrinkle, 105 W Adams St, Chicago 3, Ill
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Oronite Chem Co, 38 Sansome St, San Francisco, Cal
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Witco Chem Co, 295 Madison Ave, N Y 17

WITCO DRIERS

WITCO
Naphthenic Acid Driers
LEAD COBALT CALCIUM
MANGANESE ZINC IRON

WITCO
Octoic Acid Driers
LEAD COBALT CALCIUM
MANGANESE ZINC

WITALL (Tall Oil) Driers
LEAD COBALT
MANGANESE

WITCO CHEMICAL COMPANY
295 MADISON AVENUE • NEW YORK 17, NEW YORK
Los Angeles • Boston • Chicago • Houston • Cleveland
San Francisco • Akron • London and Manchester, England

DRIERS, NAPHTHENATE

Metal salts generally of lead, cobalt, manganese and zinc of cyclo pentyl carboxylic acids. They are used to hasten to drying of paints, printing inks and linoleums and are characterized by extreme compatibility and solubility with the various oils and resins used in those products.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American Firstoline Corp, 420 Lexington Ave, N Y
J M Baird Co, 147 Nassau St, N Y
European Chem Co, 366 Broadway, N Y 13
*Ferro Chem Corp, Krick Rd, Bedford, Ohio
*Industrial Lining Engrs, 35 & Smallman Sts, Pittsburgh, Pa
Mathe Chem Co, 169 Milbank St, Lodi, N J
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Oronite Chem Co, 38 Sansome St, San Francisco, Cal
D H Osgood Co, 4181 Oakman Blvd, Detroit 4, Mich
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Witco Chem Co, 295 Madison Ave, N Y 17

DRIERS, PAINT AND VARNISH

Materials which hasten the drying period in painting, varnishing, enameling and lacquering operations and usually compounded from resinates of manganese, cobalt, lead and zinc; also borates, oxides, chloride, sulfate and hydrate of manganese; also linoleates and cobalt acetate, and special chemical combinations of lead, cobalt, manganese, and zinc salts with naphthenic acids.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*Ferro Chem Corp, Krick Rd, Bedford, Ohio
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*Mathe Chem Co, 169 Milbank St, Lodi, N J
*New Wrinkle, 105 W Adams St, Chicago 3, Ill
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Oronite Chem Co, 38 Sansome St, San Francisco, Cal
*Shepherd Chem Co, 2803 Highland Ave, Cincinnati 12, Ohio
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
*Western States Lacquer Co, 4400 E Washington Blvd, Los Angeles, Cal
*Witco Chem Co, 295 Madison Ave, N Y 17

DRIERS
for the Protective Coating Industry
Advance
Pioneer producers of paint driers
SOLIGEN DRIERS
(Naphthenates)
HEXOGEN DRIERS
(Octoates)
ADVASOL DRIERS
(Linoresinates)
ADVANCE
SOLVENTS & CHEMICAL CORP.
245 Fifth Avenue
New York 16, N. Y.

DRIERS
HARSHAW
A complete line of driers and metallic soaps for the paint, varnish, printing ink, floor covering, and allied industries.
THE HARSHAW CHEMICAL CO.
CLEVELAND 6, OHIO • CHICAGO • CINCINNATI • DETROIT
HOUSTON • LOS ANGELES • NEW YORK • PHILADELPHIA • PITTSBURGH

*Company classifies itself as manufacturer or producer of this product

BOTANICAL DRUGS

Fluidextracts and Tinctures

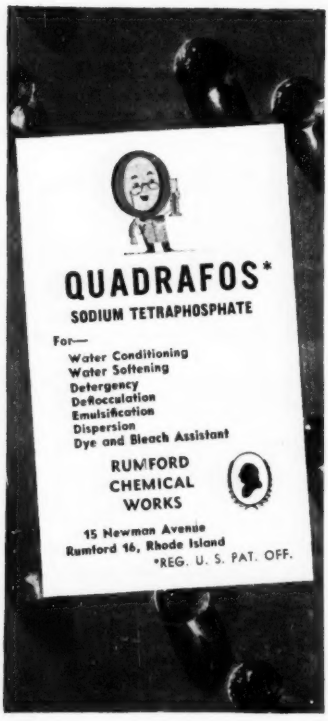
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Oleoresins and Resins

Manufacturers and Millers

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New York 19, N. Y.
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Cable: MERELIS



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for Technical and Industrial Uses

ELM BARK
CATECHU
COCHINEAL

LYCOPODIUM
IRISH MOSS

SAPONIN
LICORICE ROOT
SOAP BARK

Write for Complete Price List

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50 CHURCH ST., NEW YORK 7, N. Y. • TELEPHONE: CORTLANDT 7-1970
735 W. DIVISION ST., CHICAGO 10, ILL. • TELEPHONE: MOHAWK 4-5651

DRIERS, PRINTING INK

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*American Lithographic Varnish Co, 926 Harrison Ave, Kearny, N J
*American Printing Ink Co, 1810 Campbell St, Cincinnati 10, Ohio
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*John P Carlson, 420 Carroll St, Bklyn, N Y
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*Mathe Chem Co, 169 Milbank St, Lodi, N J
*New Wrinkle, 105 W Adams St, Chicago 3, Ill
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Oronite Chem Co, 38 Sansome St, San Francisco, Cal
*Pope & Gray, 95 Morton St, N Y 14
Senefelder Co, 32-34 Green St, N Y 13
*Shepherd Chem Co, 2803 Highland Ave, Cincinnati 12, Ohio
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Witco Chem Co, 295 Madison Ave, N Y 17

DRILLING COMPOUNDS (METALS)

Lubricants employed in machining operations of various kinds.

E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Macco Products Co, 525 W 76 St, Chicago, Ill
*Milwaukee Chem Co, 204 N Broadway, Milwaukee, Wis
*G Whitfield Richards, 1732 Carlton St, Phila 3, Pa

DRILLING MUDS, OIL-WELL

Preps. pumped under pressure during rotary drilling to lubricate the drilling and carry back to the surface the earth and rock from the drill.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Baroid Sales Div, 830 Ducommun St, Los Angeles 12, Cal
John A Chew, 60 E 42 St, N Y 17
Frank G Fanning, 50 E 42 St, N Y 17
Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa

DROP BLACK (Frankfort Black)

Made by calcining sheep bones. Uses—same as Carbon Black. Grades—tech.

C B Coburn Co, 63 Market St, Lowell, Mass
Stanley Doggett, 75 Varick St, N Y 13
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
*Mineral Pigments Corp, Muirkirk, Md
*Siemon Colors, 318 Ogden St, Newark 4, N J
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y

DRUGS, BOTANICAL see advertisements on this page and individual listings

DRY-CLEANING COMPOUNDS

Wide variety of preps, used by the dry-cleaner to remove stains, clean, and otherwise renovate garments, etc. See also Cleaners, Rug; Cleaning Fluids; Pre-Spotters (Dry-Cleaning); Soaps, Dry-Cleaning; Soaps, Rug-Cleaning; Sodas, Modified; Sodas, Textile; Sponging Compounds, Textile; Solvents, Dry-Cleaning; Stiffeners, Textile; Strippers, Dry-Cleaning; Wetting Agents; Carbon, Solvent Recovery, etc.

*Alrose Chem Co, 180 Mill St, Cranston 5, R I
American Firstoline Corp, 420 Lexington Ave, N Y
*American Mineral Spirits Co, 155 E 44 St, N Y 17
*Barco Chem Products Co, 702 LaSalle St, Chicago, Ill
John A Chew, 60 E 42 St, N Y 17
*Ciba Co, 627 Greenwich St, N Y 14
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
Detrex Corp, P O Box 501, Detroit 32, Mich

DRY-CLEANING COMPOUNDS, continued

*Dixo Co, 225 River Rd, Garfield, N J
*E F Drew & Co, 15 E 26 St, N Y 10
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Industrial Colloids & Chem, 127 W Jackson Ave, Knoxville 11, Tenn
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Merchants Chem Co, 60 E 42 St, N Y 17
*National Aniline Div, 40 Rector St, N Y 6
*Ninol Labs, 1719 S Clinton St, Chicago 16, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
*Takamine Lab, 193 Arlington Ave, Clifton, N J
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

DRY ICE see Carbon Dioxide

DULCIN (Sucrol, p-Phenetolcarbamide 4-Ethyl-Phenylurea, Valzin)

$C_9H_{12}O_2N_2$. M.W. 180.11. White, lustrous needles, very sweet taste—about 250 times as sweet as cane sugar. M.P. 173-174°C. Sl. sol. water; sol. alcohol, ether. Used for sweeting.

Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
Republic Chem Corp, 94 Beekman St, N Y 38

DUOTAL see Guaiacol Carbonate

DUST LAYERS

Chemicals or compounds which exhibit a binding effect or possess sufficient deliq. powders to absorb moisture from the air, and used on roads, tennis courts, playgrounds, etc. See also Oils, Road; see also Calcium Chloride.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
John A Chew, 60 E 42 St, N Y 17
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
Innis, Speiden & Co, 117 Liberty St, N Y 6

DUSTING POWDERS, AGRICULTURAL

Various products blown on plants, flowers, vegetables, trees, etc., to kill or control injurious insects and fungi: more commonly employed are dusting sulfurs, arsenicals, pyrethrum and pulverized tobacco. A large number of specially compounded formulas are available for applications to meet specific infestations on particular plants.

American Firstoline Corp, 420 Lexington Ave, N Y
*Chapman Chem Co, 707 Dermon Bldg, Memphis, Tenn
Faesy & Besthoff, 325 Spring St, N Y 13
*Geigy Co, 89 Barclay St, N Y 8
*Gen Reduction Co, 1820 Roscoe St, Chicago 13, Ill
*Heckathorn & Co, 641 S 4 St, Richmond 3, Cal
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Wm E Maher, P O Box 28 Astoria Station 2, L I C, N Y
McKesson & Robbins, 155 E 44 St, N Y 17
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Tobacco By-Products & Chem Corp, 401 E Main St, Richmond, Va
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*World Spray Co, 4609 Avalon Blvd, Los Angeles, Cal

*Company classifies itself as manufacturer or producer of this product

DYES, ACETATE

Coal tar dyes especially developed for dyeing acetate silk, which, because it is a cellulose ester, is not dyed by the dyestuffs ordinarily used for cotton or the regenerated types of rayon.

*Belle Chem Co, 534 Pearl St, Reading, Pa
*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
*Ciba Co, 627 Greenwich St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
Fallek Products Co, 163 Broadway, N Y 6
Filo Color & Chem Corp, 202 E 44 St, N Y
*Foster-Heaten Co, 16 E 5 St, Paterson 4, N J
*Geigy Co, 89 Barclay St, N Y 8
*Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Interchem Corp, Hawthorne, N J
*L & R Organic Products Co, 50 White St, N Y 13
Line Chem Corp, 217-219 E 15 St, Paterson, N J
Edward Mendell Co, 24 W 45 St, N Y 19
*National Aniline Div, 40 Rector St, N Y 6
*Nyanza Color & Chem Co, 109 Worth St, N Y 13
Silk City Chem Co, 200 Carlisle Ave, Paterson 1, N J
*Tennessee Eastman Co, 10 E 40 St, N Y 16
Jos Turner & Co, Ridgefield, N J
*Zinsser & Co, Railroad Ave, Hastings-On-Hudson, N Y

DYES, ACID

Salts of color acids. Dye animal fibers directly, but do not dye vegetable fibers. Uses—mostly with wool and silk.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Belle Chem Co, 534 Pearl St, Reading, Pa
*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
Chemicolor Trade Corp, 24 Stone St, N Y 4
*Ciba Co, 627 Greenwich St, N Y 14
*Commonwealth Color & Chem Co, 3240 Grace Ave, Bronx 67, N Y
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
*Dye Specialties Corp, 924 Bergen Ave, Jersey City 6, N J
Fallek Products Co, 163 Broadway, N Y 6
Filo Color & Chem Corp, 202 E 44 St, N Y
*Geigy Co, 89 Barclay St, N Y 8
*Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*L & R Organic Products Co, 50 White St, N Y 13
Line Chem Corp, 217-219 E 15 St, Paterson, N J
Edward Mendell Co, 24 W 45 St, N Y 19
*National Aniline Div, 40 Rector St, N Y 6
*Nyanza Color & Chem Co, 109 Worth St, N Y 13
Charles A Pfeiffenberger, 104-40 194 St, Hollis, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
L L Rona & Co, 40 Exchange Pl, N Y 5

DYES, ANILINE

Perhaps most important member is aniline black. Largely used on calico printing. Applied generally by either of two methods: oxidation or single bath method.

Allied Raw Materials, 38 Park Row, N Y 7
Amend Drug & Chem Co, 117-119 E 24 St, N Y
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
Chemicolor Trade Corp, 24 Stone St, N Y 4
*Ciba Co, 627 Greenwich St, N Y 14
*Commonwealth Color & Chem Co, 3240 Grace Ave, Bronx 67, N Y
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
*Dye Specialties Corp, 924 Bergen Ave, Jersey City 6, N J
Dyechem Products Corp, 60 Broad St, N Y 4
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Eibert & Co, 2 Broadway, N Y
Fallek Products Co, 163 Broadway, N Y 6
Filo Color & Chem Corp, 202 E 44 St, N Y
*Foster-Heaten Co, 16 E 5 St, Paterson 4, N J
*Geigy Co, 89 Barclay St, N Y 8
*Gen Dyestuff Corp, 435 Hudson St, N Y 14
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
*Grand Rapids Wood Finishing Co, 53-71 Grandmille Ave, S W, Grand Rapids 2, Mich
K F Griffiths & Co, 280 Madison Ave, N Y 16
Harmon Color Works, P O Box 14, Hawthorne, N J
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*H Kohnstamm & Co, 83 Park Pl, N Y 7
L & R Organic Products Co, 50 White St, N Y 13
Wm E Maher, P O Box 28 Astoria Station 2, L I C, N Y
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill

DYESTUFFS

ACID AND BASIC DYES, NAPHTHOLS, FAST BASES, AND FAST COLOR SALTS for the Textile Industry

DYESTUFFS

For the Printing Ink, Carbon Paper, Drug and Cosmetic and Leather Industries

DYESTUFF INTERMEDIATES

The Hilton-Davis Chemical Company Division

2235 Langdon Farm Road, Cincinnati, Ohio

DU PONT
REG U.S. PAT. OFF.

DRY CLEANING FLUIDS

"PERCLENE" Perchlorethylene — **"TRICLENE" Trichlorethylene**

Nonflammable fluids for modern, synthetic solvent machines.

E. I. DU PONT DE NEMOURS & CO. (INC.)
ELECTROCHEMICALS DEPARTMENT
WILMINGTON 98 DELAWARE

COLORS

PETROLEUM IDENTIFIERS

PETROLEUM MARKERS

BLOOMING AGENTS

FLUORESCENT COLORS FOR SOLVENT EXTRACTED AND ADDITIVE COMPOUNDED LUBE OILS

BLUE WHITENER:—An emergency treatment in neutralizing undesirable yellow shades in uncolored gasoline or kerosene

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DYES, ANILINE, continued

Edward Mendell Co, 24 W 45 St, N Y 19
Meves & Gregg, 110 N Front St, Phila 6, Pa
Murray Williams Color & Chem Co, 353 Boyden Ave, Maplewood, N J
*National Aniline Div, 40 Rector St, N Y 6
*Nyanza Color & Chem Co, 109 Worth St, N Y 13
Charles A Pfeiffenberger, 104-40 194 St, Hollis, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Ritter Chem Co, 403 W Main St, Amsterdam, N Y
L L Rona & Co, 40 Exchange Pl, N Y 5
*Scientific & Chem Industries Co, 225 W 86 St, N Y
Shepard Chem Corp, 117 Liberty St, N Y 6
E Sonnenschein & Co, 276 5 Ave, N Y 1
Titan Chem Products, Mill Rd & Wayne St, Jersey City, N J
*Zinsser & Co, Railroad Ave, Hastings-On-Hudson, N Y

DYES, ANTHRAQUINONE

*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
Barclay Chem Co, 75 Varick St, N Y
*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
Chemicolor Trade Corp, 24 Stone St, N Y 4
*Ciba Co, 627 Greenwich St, N Y 14
David & Co, 140 Market St, Paterson 1, N J
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
*Geigy Co, 89 Barclay St, N Y 8
*Gen Dyestuff Corp, 435 Hudson St, N Y 14
L & R Organic Products Co, 50 White St, N Y 13
*Otto B May, 198-214 Niagara St, Newark 5, N J
*National Aniline Div, 40 Rector St, N Y 6
*Patent Chem, 335 McLean Ave, Paterson 4, N J
Charles A Pfeiffenberger, 104-40 194 St, Hollis, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Jos Turner & Co, Ridgefield, N J

DYES, AZO

The important feature of the production of azo dyes is the formation of a diazonium compound from one intermediate, and the coupling of this with another intermediate.

American-British Chem Supplies, 180 Madison Ave, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
Barclay Chem Co, 75 Varick St, N Y

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DYES, AZO, continued

*Belle Chem Co, 534 Pearl St, Reading, Pa
*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
Chemicolor Trade Corp, 24 Stone St, N Y 4
*Ciba Co, 627 Greenwich St, N Y 14
Cresecent Chem Co, 15 Park Row, N Y 38
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
Elbert & Co, 2 Broadway, N Y
Fallek Products Co, 163 Broadway, N Y 6
Filo Color & Chem Corp, 202 E 44 St, N Y
*Foster-Heaten Co, 16 E 5 St, Paterson 4, N J
*Geigy Co, 89 Barclay St, N Y 8
*Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*Interchem Corp, Hawthorne, N J
*H Kohnstamm & Co, 83 Park Pl, N Y 7
L & R Organic Products & Co, 50 White St, N Y 13
Line Chem Corp, 217-219 E 15 St, Paterson, N J
*Otto B May, 198-214 Niagara St, Newark 5, N J
Edward Mendell Co, 24 W 45 St, N Y 19
*National Aniline Div, 40 Rector St, N Y 6
Charles A Pfeiffenberger, 104-40 194 St, Hollis, N Y
*Pharma Chem Corp, 175 5 Ave, N Y 10
Republic Chem Corp, 94 Beekman St, N Y 38
Jos Turner & Co, Ridgefield, N J

DYES, BASIC

Derived from ammonia by replacement of one or more hydrogen atoms of one or more molecules of ammonia with various other elements or groups of elements. Basic in character, hence the name. Combines readily with silk and wool without aid of mordants, producing brilliant shades. Uses—on leather, paper and various textile fibers.

American-British Chem Supplies, 180 Madison Ave, N Y
*Anderson Trading Corp, 66 Beaver St, N Y 44
*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
Chemicolor Trade Corp, 24 Stone St, N Y 4
*Ciba Co, 627 Greenwich St, N Y 14
Crescent Chem Co, 15 Park Row, N Y 38
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
*Dye Specialties Corp, 924 Bergen Ave, Jersey City 6, N J
Eastern Seaboard Supply Corp, 238 Melrose St, Bklyn 6, N Y
Fallek Products Co, 163 Broadway, N Y 6
Filo Color & Chem Corp, 202 E 44 St, N Y
*Geigy Co, 89 Barclay St, N Y 8
*Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
L & R Organic Products & Co, 50 White St, N Y 13
*Maumee Development Co, 1852 N Westwood, Toledo, Ohio
Edward Mendell Co, 24 W 45 St, N Y 19
*National Aniline Div, 40 Rector St, N Y 6
Nova Chem Corp, 153 Waverly Pl, N Y 14
Charles A Pfeiffenberger, 104-40 194 St, Hollis, N Y
*Pharma Chem Corp, 175 5 Ave, N Y 10
Republic Chem Corp, 94 Beekman St, N Y 38
Ritter Chem Co, 403 W Main St, Amsterdam, N Y
L L Rona & Co, 40 Exchange Pl, N Y 5

DYES, CHROME

Intermediate in character between acid and mordant colors. Resemble acid colors in that they may be dyed directly upon wool in an acid bath and at the same time resemble the mordant colors in that they may be dyed upon metallic mordants. Uses—extensively on men's and women's wear. Possess good fastness to light, acids, washing, perspiration, spotting, etc.

Barclay Chem Co, 75 Varick St, N Y
*Belle Chem Co, 534 Pearl St, Reading, Pa
*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
*Ciba Co, 627 Greenwich St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
Fallek Products Co, 163 Broadway, N Y 6
Filo Color & Chem Corp, 202 E 44 St, N Y
*Geigy Co, 89 Barclay St, N Y 8
Gen Dyestuff Corp, 435 Hudson St, N Y 14
K F Griffiths & Co, 280 Madison Ave, N Y 16
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
L & R Organic Products & Co, 50 White St, N Y 13
*National Aniline Div, 40 Rector St, N Y 6
Nova Chem Corp, 153 Waverly Pl, N Y 14
*Nyanza Color & Chem Co, 109 Worth St, N Y 13
*Pharma Chem Corp, 175 5 Ave, N Y 10
Republic Chem Corp, 94 Beekman St, N Y 38
L L Rona & Co, 40 Exchange Pl, N Y 5
*Zinsser & Co, Railroad Ave, Hastings-On-Hudson, N Y

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Nomenclature	Dye Classification	Use on Fibers Listed
CALCO® ACETATE	Direct on Acetate	Cellulose acetate and nylon
CALCOCHROME*	Mordant Acid (Chrome)	Leather and wool
CALCOCID*	Acid	Lakes, leather, nylon, silk and wool
CALCODUR*	Direct (of superior light fastness)	Cotton, linen, paper and viscose
CALCOFAST* WOOL	Acid (Metallized)	Nylon and wool
CALCOFLUOR* WHITE	Direct (Fluorescent White)	Cotton, linen, viscose and wool
CALCOFORM*	Direct Formaldehyde	Cotton, linen and viscose
CALCOGENE*	Sulfur	Cotton, linen and viscose
CALCOLOID*	Vat (Highly dispersed)	Cotton, linen, silk, wool and viscose
CALCOMINE*	Direct	Cotton, leather, linen, silk, nylon, paper, union and viscose
CALCOMINE DIAZO*	Direct and Developed	Cotton, leather, linen, silk and viscose
CALCO® NAPHTHOSOLS	Insoluble Azo and Developers	Cotton, linen and viscose
CALCONYL*	Azoic	Printing cotton, linen and viscose
CALCOPHENYL*	Oxidation	Printing acetate, cotton and viscose
CALCO® RAPID	Azoic	Printing cotton, linen and viscose
CALCOSOL*	Vat	Cotton, wool and viscose
CALCO® SOLUBLE VAT	Leuco Vat Esters	Cotton, linen, silk and wool
CALCOTEX*	Resin Pigment	Printing cotton, linen and viscose
CALCOTONE*	Pigment (Water dispersed)	Cotton, linen, paper and viscose
CALCOZINE*	Basic	Cotton, lakes, leather, paper, silk and viscose

*Trade-mark

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DYES, COTTON

Dyes for cotton include the direct or substantive dyes which are water sol. products that dye cotton directly without the use of a mordant; the basic dyes which are water sol. dyes but which require that the cotton be first mordanted, usually with tannic acid and antimony salts; the sulfur dyes, insol. in water but sol. in sodium sulfide, from which solution they dye cotton directly; the vat dyes, insol. in water but sol. in caustic soda and sodium hydrosulfite. The vat dye solution possesses a direct affinity for the cotton and, by subsequent oxidation, reproduces the original insol. form of the dyestuff. In general the vat dyes possess the best fastness to washing and light; the direct dyes in general are of moderate to fair fastness to washing and from moderate to very good fastness to light; the basic dyes are poor in light fastness but are extremely bright; more so than any other class of cotton dyes; the sulfur dyes may be considered as being faster than the direct dyes but not as fast as the vats. Many of the direct dyes can be after-treated with metallic salts or with formaldehyde with a consequent increase in fastness either to light or to washing. Another group of direct dyes, commonly called development dyes, are applied in a similar manner to the usual direct dyes but, by subsequent diazotization and development, yield shades rather faster to washing. Another group of dyes for cotton is the Naphthol dyes, generaly of good fastness to light and washing. These dyes are formed directly on the fibre itself.

*American Dyewood Co, 285 Madison Ave, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Augusta Chem Co, Box 660 Augusta, Ga
*Belle Chem Co, 534 Pearl St, Reading, Pa
*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
*Ciba Co, 627 Greenwich St, N Y 14
Crescent Chem Co, 15 Park Row, N Y 38
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
Fatlek Products Co, 163 Broadway, N Y 6
Filo Color & Chem Corp, 202 E 44 St, N Y
*Geigy Co, 89 Barclay St, N Y 8
*Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*Industrial Dyestuff Co, Massasoit Ave, E Providence 14, R I
*Interchem Corp, Hawthorne, N J
L & R Organic Products & Co, 50 White St, N Y 13
*Otto B May, 198-214 Niagara St, Newark 5, N J
Edward Mendell Co, 24 W 45 St, N Y 19
Nardini Co, 15 Moore St, N Y 4
*National Aniline Div, 40 Rector St, N Y 6
Nova Chem Corp, 153 Waverly Pl, N Y 14
Charles A Pfeiffenberger, 104-40 194 St, Hollis, N Y
*Pfister Chem Works, Linden Ave, Ridgefield, N J
*Pharma Chem Corp, 175 5 Ave, N Y 10
Sagamore Color & Chem Co, 178 Purchase St, Boston 10, Mass
Southern Textile Chem Corp, 1407 Broadway, N Y 18
Jos Turner & Co, Ridgefield, N J

DYES, DIRECT

Dye both animal and vegetable fibers directly; applied mostly to cotton and to some extent to wool and silk.

American-British Chem Supplies, 180 Madison Ave, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
Barclay Chem Co, 75 Varick St, N Y
*Belle Chem Co, 534 Pearl St, Reading, Pa
*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
Chem Service Corp, 82 Beaver St, N Y 5
Chemicolor Trade Corp, 24 Stone St, N Y 4
*Ciba Co, 627 Greenwich St, N Y 14
Crescent Chem Co, 15 Park Row, N Y 38
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
Eastern Seaboard Supply Corp, 238 Melrose St, Bklyn 6, N Y
Fatlek Products Co, 163 Broadway, N Y 6
Filo Color & Chem Corp, 202 E 44 St, N Y
*Geigy Co, 89 Barclay St, N Y 8
*Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Industrial Dyestuff Co, Massasoit Ave, E Providence 14, R I
*Interchem Corp, Hawthorne, N J
L & R Organic Products & Co, 50 White St, N Y 13
Line Chem Corp, 217-219 E 15 St, Paterson, N J
Manufacturers Chem Co, 527 5 Ave, N Y 17
Marlowe-Van Loan Corp, Box 1851, High Point, N C
*Maumee Development Co, 1852 N Westwood, Toledo, Ohio
Edward Mendell Co, 24 W 45 St, N Y 19
*National Aniline Div, 40 Rector St, N Y 6
Nova Chem Corp, 153 Waverly Pl, N Y 14
*Nyanza Color & Chem Co, 109 Worth St, N Y 13
*Peerless Color Co, 521 N Ave, Plainfield, N J
Charles A Pfeiffenberger, 104-40 194 St, Hollis, N Y
*Pharma Chem Corp, 175 5 Ave, N Y 10
Republic Chem Corp, 94 Beekman St, N Y 38
Ritter Chem Co, 403 W Main St, Amsterdam, N Y
L L Rona & Co, 40 Exchange Pl, N Y 5
Silk City Chem Co, 200 Carlisle Ave, Paterson 1, N J
Woodward & Dickerson, 1400 S Penn Sq, Phila, Pa

*Company classifies itself as manufacturer or producer of this product

DYES, FELT

*Belle Chem Co, 534 Pearl St, Reading, Pa
*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
*Ciba Co, 627 Greenwich St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
*Geigy Co, 89 Barclay St, N Y 8
Gen Dyestuff Corp, 435 Hudson St, N Y 14
L & R Organic Products & Co, 50 White St, N Y 13
Edward Mendell Co, 24 W 45 St, N Y 19
*National Aniline Div, 40 Rector St, N Y 6
*Nyanza Color & Chem Co, 109 Worth St, N Y 13

DYES, FLUORESCENT

*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
*Ciba Co, 627 Greenwich St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
*Fiber Chem Corp, Box 218, Matawan, N J
Filo Color & Chem Corp, 202 E 44 St, N Y
*Geigy Co, 89 Barclay St, N Y 8
*Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*H Kohnstamm & Co, 83 Park Pl, N Y 7
L & R Organic Products & Co, 50 White St, N Y 13
Edward Mendell Co, 24 W 45 St, N Y 19
*National Aniline Div, 40 Rector St, N Y 6
*Patent Chem, 335 McLean Ave, Paterson 4, N J
*Sandoz Chem Works, 61 Van Dam St, N Y 13
*Wilmot & Cassidy, 108 Provost St, Bklyn 22, N Y

DYES, FUR

Fur dyes, strictly speaking, are not dyes but intermediates, which are applied to the fur and subsequently treated with oxidizing agents and mordants whereby the color is developed.

*American Dyewood Co, 285 Madison Ave, N Y
*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
*Joseph Casper, 50 Columbia St, Newark 5, N J
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
Gen Dyestuff Corp, 435 Hudson St, N Y 14
Wm E Maher, P O Box 28 Astoria Sta 2, L I C, N Y
*Manahan Chem Co, 57 N 6 St, Bklyn 1, N Y
*National Aniline Div, 40 Rector St, N Y 6
Nova Chem Corp, 153 Waverly Pl, N Y 14
*Nyanza Color & Chem Co, 109 Worth St, N Y 13
*Scientific & Chem Industries Co, 225 W 86 St, N Y 1
*Bernard Sirotta Co, 621 Smith St, Bklyn 31, N Y
*Verona Chem Co, 26 Verona Ave, Newark, N J

DYES, GASOLINE

Special dyes for use in gasoline to indicate presence of a toxic substance, for example, tetraethyl lead or to distinguish a certain brand.

*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
*Ciba Co, 627 Greenwich St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Petroleum Chem Div & Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
*Foster-Heaten Co, 16 E 5 St, Paterson 4, N J
Gen Dyestuff Corp, 435 Hudson St, N Y 14
*National Aniline Div, 40 Rector St, N Y 6
Patent Chem, 335 McLean Ave, Paterson 4, N J
*Zinsser & Co, Railroad Ave, Hastings-On-Hudson, N Y

DYES, LACQUER

Dyes sol. in lacquers. By incorporating them, various colored but transparent lacquers are produced. Their use over metal, paper, etc., gives pleasing effects as the transparent lacquer allows the finish of the base material to show through. For suppliers see Dyes, Resins.

*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
*Dye Specialties Corp, 924 Bergen Ave, Jersey City 6, N J
Filo Color & Chem Corp, 202 E 44 St, N Y
*Geigy Co, 89 Barclay St, N Y 8
Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Kepac Chem Corp, 1454 N 4 St, Milwaukee, Wis
*National Aniline Div, 40 Rector St, N Y 6

DYES, LEATHER

Basic, acid, direct, chrome and developed dyes are used on leather. Basic dyes are used on all types of leather and require a vegetable tannage as a mordant; they are also used for topping acid, direct, chrome and developed dyes, where strength and brightness are required. Acid dyes are used on all classes of leathers and tannages where level dyeing is required. The exceptionally soluble acid

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DYES, LEATHER, continued

dyes are used where penetration is desired, as on suedes which are buffed after dyeing. Acid dyes also are used in finishes for grain leathers and edge inks. Direct dyes are surface dyeing dyes and are used principally on chrome leathers, also in combination with acid dyes and chrome dyes. Chrome dyes are used in the same manner as acid dyes on both chrome and vegetable tanned leathers. Developed dyes are used on chrome tanned leather where very good fastness to washing is required.

*American Dyewood Co 285 Madison Ave, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Belle Chem Co, 534 Pearl St, Reading, Pa
*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
*Ciba Co, 627 Greenwich St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
*Fiebing Chem Co, 516 2 St, Milwaukee 4, Wis
Filo Color & Chem Corp, 202 E 44 St, N Y
*Geigy Co, 89 Barclay St, N Y 8
Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*Kepac Chem Corp, 1454 N 4 St, Milwaukee, Wis
L & R Organic Products & Co, 50 White St, N Y 13
Meves & Gregg, 110 N Front St, Phila 6, Pa
*National Aniline Div, 40 Rector St, N Y 6
Pharma Chem Corp, 175 5 Ave, N Y 10
Ritter Chem Co, 403 W Main St, Amsterdam, N Y
*Scientific & Chem Industries Co, 225 W 86 St, N Y 1

DYES, MIXED FIBRES, COTTON & RAYON

Cotton dyes, usually the direct or substantive type, are used for dyeing cotton and rayon fabrics. Since both of these fibres consist of cellulose and differ in their affinity for dyestuff, considerable care must be taken to select dyes and to conduct the dyeing operation so that a shade as uniform as possible will be obtained on both fibres.

*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Belle Chem Co, 534 Pearl St, Reading, Pa
*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
*Ciba Co, 627 Greenwich St, N Y 14
*Cooks Falls Dye Works, 140 Maiden Lane, N Y 38
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
*Geigy Co, 89 Barclay St, N Y 8
*Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Interchem Corp, Hawthorne, N J
L & R Organic Products & Co, 50 White St, N Y 13
*Otto B May, 198-214 Niagara St, Newark 5, N J

DYES, MIXED FIBRES, COTTON & RAYON, continued

Edward Mendell Co, 24 W 45 St, N Y 19
*National Aniline Div, 40 Rector St, N Y 6
*Pfister Chem Works, Linden Ave, Ridgefield, N J
Pharma Chem Corp, 175 5 Ave, N Y 10
Sagamore Color & Chem Co, 178 Purchase St, Boston 10, Mass
*Southern Dyestuff Corp, 521 5 Ave, N Y 17

DYES, MIXED FIBRES, SILK & RAYON

Fabrics of this nature ordinarily are dyed with a combination of neutral dyeing acid dyes and direct dyes. For suppliers see Dyes, Mixed Fibres, Cotton and Rayon.

*American Dyewood Co 285 Madison Ave, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Belle Chem Co, 534 Pearl St, Reading, Pa
*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
*Ciba Co, 627 Greenwich St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
*Geigy Co, 89 Barclay St, N Y 8
*Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Interchem Corp, Hawthorne, N J
*L & R Organic Products & Co, 50 White St, N Y 13
*Otto B May, 198 Niagara St, Newark, N J
Edward Mendell Co, 24 W 45 St, N Y 19
*National Aniline Div, 40 Rector St, N Y 6
*Pharma Chem Corp, 175 5 Ave, N Y 10

DYES, NATURAL

Substances derived from natural sources in contrast with synthetically produced dyes. Employed for special purposes. Produced by some form of extraction, usually water, followed by a concentration. See Annatto, Chlorophyll, Cochineal, Cutch, Fustic, Indigo, Logwood Extract, Madder, Nutgalls, Osage Orange Extract, Quercitron Bark, Turmeric, etc.

American-British Chem Supplies, 180 Madison Ave, N Y
*American Dyewood Co, 285 Madison Ave, N Y
*Bernard Color & Chem Corp, 335 Hudson St, N Y
Filo Color & Chem Corp, 202 E 44 St, N Y
*Geigy Co, 89 Barclay St, N Y 8

DYES, NYLON

*American Dyewood Co, 285 Madison Ave, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
*Ciba Co, 627 Greenwich St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
*Geigy Co, 89 Barclay St, N Y 8
*Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Interchem Corp, Hawthorne, N J
L & R Organic Products & Co, 50 White St, N Y 13
*Otto B May, 198 Niagara St, Newark, N J
Edward Mendell Co, 24 W 45 St, N Y 19
*National Aniline Div, 40 Rector St, N Y 6
*Nyanza Color & Chem Co, 109 Worth St, N Y 13
*Tennessee Eastman Co, 10 E 40 St, N Y 16
Jos Turner & Co, Ridgefield, N J

DYES, PAPER

Specialized dyes added to the pulp and fixed either by direct absorption or by precipitation. There are three general classifications:—1. Basic dyestuffs (precipitated in combination with acids); 2. Acid dyes (precipitated in combination with certain bases); and 3, the so-called "cotton" dyes which are readily absorbed by the cellulose fibres. Natural Dyestuffs, such as Logwood, Sap Brown, etc., are also used. See also Pigments, Paper; Pigments, Blue, Red, Yellow, Brown; Mineral, Chemical, etc.

*American Lignite Products Co, P O Box 5, Ione, Cal
*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
*Ciba Co, 627 Greenwich St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
*Dye Specialties Corp, 924 Bergen Ave, Jersey City 6, N J
Filo Color & Chem Corp, 202 E 44 St, N Y
*Geigy Co, 89 Barclay St, N Y 8
*Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
L & R Organic Products & Co, 50 White St, N Y 13
Line Chem Corp, 217-219 E 15 St, Paterson, N J
Edward Mendell Co, 24 W 45 St, N Y 19
*National Aniline Div, 40 Rector St, N Y 6

DYES, PETROLEUM

*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
*Ciba Co, 627 Greenwich St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
*Foster-Heaten Co, 16 E 5 St, Paterson 4, N J
Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*National Aniline Div, 40 Rector St, N Y 6
*Patent Chem, 335 McLean Ave, Paterson 4, N J
*Wilmot & Cassidy, 108 Provost St, Bklyn 22, N Y

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*Company classifies itself as manufacturer or producer of this product

DYES, RAYON

Rayon is dyed using the same dyes as cotton. The direct dyes are used where simplicity of application is desired or where fastness requirements are not severe. Sulfur and, more particularly, vat dyes are used whenever the best fastness is desired.

*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Augusta Chem Co, Box 660 Augusta, Ga
*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
*Ciba Co, 627 Greenwich St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
*Geigy Co, 89 Barclay St, N Y 8
*Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*Interchem Corp, Hawthorne, N J
L & R Organic Products & Co, 50 White St, N Y 13
*Otto B May, 198 Niagara St, Newark, N J
Edward Mendell Co, 24 W 45 St, N Y 19
*National Aniline Div, 40 Rector St, N Y 6
*Pfister Chem Works, Linden Ave, Ridgefield, N J
Pharma Chem Corp, 175 5 Ave, N Y 10

DYES, RESIN

Molded plastics are colored with dyes from the various groups, especially selected to withstand the heat and the various chemicals used to disperse or dissolve readily during molding and to possess the necessary fastness properties. Cast resins are dyed with dyes especially selected from the various dye groups in regard to solubility in the resin and ability to withstand the reducing action in the kettle.

*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
Gen Dyestuff Corp, 435 Hudson St, N Y 14
Line Chem Corp, 217-219 E 15 St, Paterson, N J
*National Aniline Div, 40 Rector St, N Y 6

DYES, RUBBER

Specialized products in the form of lakes, toners, and vat dyes, and usually marketed as dry powd., or paste or dispersed in rubber as batch colors, prepared so as to be impervious to vulcanization, accelerators, etc.

*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
Gen Dyestuff Corp, 435 Hudson St, N Y 14
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Edward Mendell Co, 24 W 45 St, N Y 19
*National Aniline Div, 40 Rector St, N Y 6

DYES, SILK

Silk (as for instance silk hosiery and silk dress goods) is usually dyed with acid or direct dyes. For silk dress goods it often is desirable that the dyes be readily discharged with hydrosulfite in order to produce various patterns.

*American Dyewood Co, 285 Madison Ave, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
*Ciba Co, 627 Greenwich St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
*Dye Specialties Corp, 924 Bergen Ave, Jersey City 6, N J
Fallek Products Co, 163 Broadway, N Y 6
Filo Color & Chem Corp, 202 E 44 St, N Y
*Geigy Co, 89 Barclay St, N Y 8
*Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
L & R Organic Products & Co, 50 White St, N Y 13
*Otto B May, 198 Niagara St, Newark, N J
Edward Mendell Co, 24 W 45 St, N Y 19
Nardini Co, 15 Moore St, N Y 4
*National Aniline Div, 40 Rector St, N Y 6

DYES, SPECK

Speck dyes consist of direct dyes which possess a marked affinity for cotton and other forms of vegetable matter and little if any for wool. They are principally used to cover up specks of cotton, etc., in woolen fabrics without changing the shade of the wool.

*American Dyewood Co, 285 Madison Ave, N Y
*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
*Ciba Co, 627 Greenwich St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
*Geigy Co, 89 Barclay St, N Y 8
Gen Dyestuff Corp, 435 Hudson St, N Y 14
L & R Organic Products & Co, 50 White St, N Y 13
*Lanatex Chem Co, 49 Westminister St, Providence, R I
*National Aniline Div, 40 Rector St, N Y 6
*Nyanza Color & Chem Co, 109 Worth St, N Y 13
Sagamore Color & Chem Co, 178 Purchase St, Boston 10, Mass

DYES, SPIRIT SOLUBLE

This group of dyes is, as the name implies, sol. in alcohol and practically insol. in water. The dyes in this group are used principally for dyeing wood stains, lacquers, etc.

*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
*Ciba Co, 627 Greenwich St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
*Dye Specialties Corp, 924 Bergen Ave, Jersey City 6, N J
Filo Color & Chem Corp, 202 E 44 St, N Y
*Geigy Co, 89 Barclay St, N Y 8
Gen Dyestuff Corp, 435 Hudson St, N Y 14
L & R Organic Products & Co, 50 White St, N Y 13
*National Aniline Div, 40 Rector St, N Y 6
*Zinsser & Co, Railroad Ave, Hastings-On-Hudson, N Y

DYES, STRAW

*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
*Ciba Co, 627 Greenwich St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
*Dye Specialties Corp, 924 Bergen Ave, Jersey City 6, N J
Filo Color & Chem Corp, 202 E 44 St, N Y
*Geigy Co, 89 Barclay St, N Y 8
Gen Dyestuff Corp, 435 Hudson St, N Y 14
L & R Organic Products & Co, 50 White St, N Y 13
*National Aniline Div, 40 Rector St, N Y 6

DYES, SULFUR

Sol. in sodium sulfide solutions and used extensively for vegetable fibers, which they dye directly.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*Augusta Chem Co, Box 660 Augusta, Ga
*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
Chem Service Corp, 82 Beaver St, N Y 5
*Ciba Co, 627 Greenwich St, N Y 14
*Cooks Falls Dye Works, 140 Maiden Lane, N Y 38
Cresecent Chem Co, 15 Park Row, N Y 38
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
Eastern Seaboard Supply Corp, 238 Melrose St, Bklyn 6, N Y
Fallek Products Co, 163 Broadway, N Y 6
Filo Color & Chem Corp, 202 E 44 St, N Y
*Geigy Co, 89 Barclay St, N Y 8
Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Industrial Dyestuff Co, Massasoit Ave, E Providence 14, R I
L & R Organic Products & Co, 50 White St, N Y 13
Line Chem Corp, 217-219 E 15 St, Paterson, N J
Edward Mendell Co, 24 W 45 St, N Y 19
Nardini Co, 15 Moore St, N Y 4
*National Aniline Div, 40 Rector St, N Y 6
*Nyanza Color & Chem Co, 109 Worth St, N Y 13
Perkins Soap Co, 210 Albany St, Springfield, Mass
Republic Chem Corp, 94 Beekman St, N Y 38
L L Rona & Co, 40 Exchange Pl, N Y 5
*Southern Dyestuff Corp, 521 5 Ave, N Y 17

DYES, VAT

Dyes both animal and vegetable fibers directly and largely used on cotton, and to some extent on wool; characterized by great fastness. Vat dyes refer to insol. color substances which can readily be converted to a sol. and usually colorless modification through the use of reducing agents.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
Chemicolor Trade Corp, 24 Stone St, N Y 4
*Ciba Co, 627 Greenwich St, N Y 14
Crescent Chem Co, 15 Park Row, N Y 38
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
Eastern Seaboard Supply Corp, 238 Melrose St, Bklyn 6, N Y
Elbert & Co, 2 Broadway, N Y
Fallek Products Co, 163 Broadway, N Y 6
Filo Color & Chem Corp, 202 E 44 St, N Y
*Geigy Co, 89 Barclay St, N Y 8
*Gen Dyestuff Corp, 435 Hudson St, N Y 14
Harmon Color Works, P O Box 14, Hawthorne, N J
L & R Organic Products & Co, 50 White St, N Y 13
Line Chem Corp, 217-219 E 15 St, Paterson, N J
Manufacturers Chem Co, 527 5 Ave, N Y 17
*Otto B May, 198-214 Niagara St, Newark 5, N J
Edward Mendell Co, 24 W 45 St, N Y 19
*National Aniline Div, 40 Rector St, N Y 6
*Nova Chem Corp, 153 Waverly Pl, N Y 14
*Peerless Color Co, 521 N Ave, Plainfield, N J
Perkins Soap Co, 210 Albany St, Springfield, Mass
Charles A Pfeiffenberger, 104-40 194 St, Hollis, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
L L Rona & Co, 40 Exchange Pl, N Y 5
*Southern Dyestuff Corp, 521 5 Ave, N Y 17
Wilson Export & Import Corp, 35 Water St, N Y 4

DYES, WOOL

Wool ordinarily is dyed with acid dyes or chrome dyes. The acid dyes are used in piece dyeing ladies' dress goods where brightness of shade, level dyeing, moderate-to-good

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Tegin 515

Glyceryl Monostearate — Non Self-Emulsifying. Used in conjunction with other auxiliary emulsifiers.

Tegin P

Propylene Glycol Monstearate —Self-Emulsifying. For greaseless creams—brushless shave, foundation, suntan: lotions — foundation, suntan, cosmetic stockings: ointments.

Tegacid

Glyceryl Monostearate—Acid-Emulsifying. For all greaseless, medicated formulations, anti - perspirant - deodorant creams, lotions, ointments.

Tegacid Special

Glyceryl Monostearate—Acid-Emulsifying. For cream shampoo formulation, greaseless anti - perspirant - deodorant creams and ointments.

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DYES, WOOL, continued

light fastness are the principal requirements. They are easily and quickly applied. Where particularly good fastness to washing, fulling and light are desired the chrome dyes are used. These are more expensive to apply as they require a longer time than the acid dyes.

*American Dyewood Co, 285 Madison Ave, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
Barclay Chem Co, 75 Varick St, N Y
*Bernard Color & Chem Corp, 335 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
*Ciba Co, 627 Greenwich St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Dyestuffs Div, Wilmington 98, Del
Fallek Products Co, 163 Broadway, N Y 6
Filo Color & Chem Corp, 202 E 44 St, N Y
*Geigy Co, 89 Barclay St, N Y 8
*Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
L & R Organic Products & Co, 50 White St, N Y 13
*Otto B May, 198 Niagara St, Newark, N J
Edward Mendell Co, 24 W 45 St, N Y 19
*National Aniline Div, 40 Rector St, N Y 6
*Patent Chem, 335 McLean Ave, Paterson 4, N J
Charles A Pfeiffenberger, 104-40 194 St, Hollis, N Y
Pharma Chem Corp, 175 5 Ave, N Y 10
L L Rona & Co, 40 Exchange Pl, N Y 5
Sagamore Color & Chem Co, 178 Purchase St, Boston 10, Mass

DYHYDRODIKETOANTHRACENE see Anthraquinone

DYNAMITE

A general term covering a large number of specific products, but essentially it is a combination of a high explosive, such as nitroglycerin, with certain oxidizing salts and suitable absorbents. For certain uses nitro-cotton may be added to dynamite. Dependent upon the amount added, a more or less gelatinous product is made which is classed as "gelatin dynamite." See explosives.

*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*E I Du Pont de Nemours & Co, Explosives Dept, Wilmington 98, Del
*Hercules Powder Co, Wilmington, Del
*National Powder Co, Eldred, Pa

EARTH FLAX see Asbestos

EBONY BLACK see Carbon Black

ELATERITE see Mineral Rubber

ELAYL see Ethylene

EAU DE JAVELLE see Sodium Hypochlorite

EAU DE LABARRAQUE see Sodium Hypochlorite

EGG YOLK

From yolks of hen's eggs, etc. Orange to yellow, semi-solid. Sp. gr. 0.9516. M.P. 22.0-22.5°C. Solidification point 8-10°C. Iodine number 81.2-81.6. Uses —mfr. food, baked and dairy products, soaps, perfume preps., ointments and emulsions for pharmaceutical purposes; tanning and dressing leather; in medicine. Grades—tech., edible.

J M Baird Co, 147 Nassau St, N Y
Barclay Chem Co, 75 Varick St, N Y
Consumers Products Co, 99 Hudson St, N Y 13
T M Duche & Sons, 117-119 Hudson St, N Y 13
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*H Gartenberg & Co, 412 Pershing Rd, Chicago 9, Ill
F J Heap & Son, 65 High St, Boston, Mass
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Stein, Hall & Co, 285 Madison Ave, N Y 17
O J Weeks Co, 16 Hudson St, N Y 13

SALT, ELECTROLYTIC see Nickel Salts

EMERALD GREEN see Copper Acetoarsenite

EMERY, POWDERED

Dark crystalline. Uses—abrasive; grinding and polishing.

Buckingham Products Co, 14100 Fullerton Ave, Detroit 27, Mich
*Keystone Emery Mills, 1660 Church St, Phila 24, Pa
Kocour Co, 4800 S St Louis Ave, Chicago, Ill
L J & M La Place, Leliarts Lane, E Paterson, N J
Boto Leopold, Woolworth Bldg, N Y 7

EMULSIFIERS

Protective colloids which intimately mix and disperse dissimilar materials ordinarily immiscible to produce a stable finished material. Examples of immiscible materials that are emulsified are oil and water, wax and water, and powd., such as abrasives, with either water, wax or oils.

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EMULSIFIERS, continued

*Abeles-Wilson Chem Corp, 307 5 Ave, N Y 16
Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
Akron Chem Co, 255 Fountain St, Akron, Ohio
*Alrose Chem Co, 180 Mill St, Cranston 5, R I
*American Cholesterol Products, Middlesex Co, N J
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Lecithin Co, 57-01 32 Ave, Woodside, N Y
W W Angus, 220 Broadway, N Y
Antara Products Div, 435 Hudson St, N Y 14
*Apex Chem Co, 225 W 34 St, N Y 1
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
J M Baird Co, 147 Nassau St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Carlisle Chem Works, West St, Reading 15, Ohio
Carrier-Stephens Co, Lansing, Mich
*Ciba Co, 627 Greenwich St, N Y 14
Cole Labs, 42-25 9 St, L I C 1, N Y
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*E F Drew & Co, 15 E 26 St, N Y 10
*E I Du Pont de Nemours & Co, Organic Chem Dept, Rubber Chem Div, Wilmington 98, Del
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Fiber Chem Corp, Box 218, Matawan, N J
*Geigy Co, 89 Barclay St, N Y 8
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*Goldschmidt Chem Corp, 153 Waverly Pl, N Y 14
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
Hukill Chem Corp, 2533 Broadway, Cleveland 13, Ohio
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Kem Products Co, 227-229 High St, Newark 2, N J
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*London Chem Co, 325 W 32 St, Chicago, Ill
*Magnet Cove Barium Corp, Box 6504, Houston 5, Tex
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
N I Malmstrom & Co, 147 Lombardy St, Bklyn 22, N Y
M Michel & Co, 90 Broad St, N Y 4
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo

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Nash Chem Co, Box 596, Belle Glade, Fla
*National Casein Sales, 601-619 W 80 St, Chicago 20, Ill
*Ninol Labs, 1719 S Clinton St, Chicago 16, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Oronite Chem Co, 38 Sansome St, San Francisco 4, Cal
*Ottot Oil Co, 455 Cortlandt St, Belleville, N J
Petroleum Specialties, 205 E 42 St, N Y 17
Walter W Reinicke, 549 W Washington Blvd, Chicago 6, Ill
R F Revson Co, 243 W 17 St, N Y 11
*Riverdale Chem Co, 324 E 147 St, Harvey, Ill
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Sharples Chem, 123 S Broad St, Phila 9, Pa
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Thomson Horticultural Chem Corp, 2600 Conon St, Los Angeles 27, Cal
*Turco Products, P O Box 2649 Terminal Annex, Los Angeles 54, Cal
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
*Universal Chem Co, 30 Huntington Ave, Boston, Mass
*Utility Chem Co, 145 Peel St, Paterson 4, N J
R T Vanderbilt Co, 230 Park Ave, N Y
*Van Dyk & Co, Main & William Sts, Belleville, N J
*Vejin Inc, 944 W 5 St, Cincinnati 3, Ohio
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

EMULSIFIERS, TEXTILE

Specially prepared products which will disperse or suspend oils or water immiscible liq. in water for the purpose of coating or impregnating textile fibres for a desired effect as softening, lubricating, scouring, waterproofing, delustering, etc. See Emulsifiers for suppliers.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
Antara Products Div, 435 Hudson St, N Y 14
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*Ciba Co, 627 Greenwich St, N Y 14
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
*E F Drew & Co, 15 E 26 St, N Y 10
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
*Emkay Chem Co, 319 2 St, Elizabeth 1, N J
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Fabric Chem Co, 61 Cornelison Ave, Jersey City 4, N J
*Geigy Co, 89 Barclay St, N Y 8
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*Kearny Mfg Co, Box 61, Kearny, N J
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
M Michel & Co, 90 Broad St, N Y 4
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Oronite Chem Co, 38 Sansome St, San Francisco 4, Cal
*Pennsylvania Detergents Co, 2238 N Philip St, Phila 33, Pa
*Riverdale Chem Co, 324 E 147 St, Harvey, Ill
*Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J
*Scher Bros, 519 Getty Ave, Clifton, N J
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Utility Chem Co, 145 Peel St, Paterson 4, N J
Welch, Holme & Clark Co, 439 West St, N Y 14
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

EMULSION STABILIZERS

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Lecithin Co, 57-01 32 Ave, Woodside, N Y
Antara Products Div, 435 Hudson St, N Y 14
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*E F Drew & Co, 15 E 26 St, N Y 10
T M Duche & Sons, 117-119 Hudson St, N Y 13
*H Gartenberg & Co, 412 Pershing Rd, Chicago 9, Ill
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*Goldschmidt Chem Corp, 153 Waverly Pl, N Y 14
*Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Marathon Corp, Rothschild, Wis
*M Michel & Co, 90 Broad St, N Y 4
*National Casein Sales, 601-619 W 80 St, Chicago 20, Ill
*Ninol Labs, 1719 S Clinton St, Chicago 16, Ill

EMULSION STABILIZERS, continued

*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Pa la Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
Rocky Mtn Supply Co, 2120 Market St, Denver, Col
Ross & Rowe, 50 Broadway, N Y 4
*Tennessee Eastman Co, 0 E 40 St, N Y 16
*R T Vanderbilt Co, 230 Park Ave, N Y
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

EMULSIONS, ASPHALT

*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
Asphalt Emulsion Service, 331 Madison Ave, N Y 17
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
Frank G Fanning, 50 E 42 St, N Y 17
*Benjamin Foster Co, 4635 W Girard Ave, Phila 31, Pa
Harry Haze, 435 N Michigan Ave, Chicago 11, Ill
*Johns-Manville, 22 E 40 St, N Y 16

EMULSIONS, POLYSTYRENE

*American Polymer Corp, 101 Foster St, Peabody, Mass
J M Baird Co, 147 Nassau St, N Y
*Bakelite Co Div, 30 E 42 St, N Y 17
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*Thomas W Dunn Co, 340 Pearl St, N Y 38
*Monsanto Chem Co, Plastics Div, Springfield, Mass
*Ninol Labs, 1719 S Clinton St, Chicago 16, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Union Bay State Chem Co, 491 Main St, Cambridge 42, Mass

EMULSIONS, RESIN

*Adhesive Products Corp, 1660 Boone Ave, N Y
*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*American Polymer Corp, 101 Foster St, Peabody, Mass
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
Amplex Chem Co, 60 Wall St, N Y
J M Baird Co, 147 Nassau St, N Y
*Bakelite Co Div, 30 E 42 St, N Y 17
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*Thomas W Dunn Co, 340 Pearl St, N Y 38
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Durez Plastics & Chem, 5 Walck Rd, N Tonowanda, N Y
*Firestone Tire & Rubber Co, P O Box 690, Pottstown, Pa
*Alfred Hague & Co, 227 34 St, Bklyn, N Y
*Interchem Corp, Hawthorne, N J
*Kepac Chem Corp, 1454 N 4 St, Milwaukee, Wis
*Linder & Co, 296 N Beacon St, Boston 35, Mass
*Mathe Chem Co, 169 Milbank St, Lodi, N J
*Monsanto Chem Co, Plastics Div, Springfield, Mass
*Paisley Products, 630 W 51 St, N Y
*R & A Leather Finish Co, 812 E 43 St, Bklyn 10, N Y
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Rubber Corp of America, 274 Ten Eyck St, Bklyn 6, N Y
*Shawinigan Products Corp, 350 5 Ave, N Y 1

EMULSIONS, VINYL

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*American Anode, 60 Cherry St, Akron 8, Ohio
*American Polymer Corp, 101 Foster St, Peabody, Mass
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
J M Baird Co, 147 Nassau St, N Y
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Firestone Tire & Rubber Co, P O Box 690, Pottstown, Pa
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Monsanto Chem Co, Plastics Div, Springfield, Mass
*National Casein Sales, 601-619 W 80 St, Chicago 20, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Paisley Products, 630 W 51 St, N Y
*R & A Leather Finish Co, 812 E 43 St, Bklyn 10, N Y
*Rubber Corp of America, 274 Ten Eyck St, Bklyn 6, N Y
*Shawinigan Products Corp, 350 5 Ave, N Y 1
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J

EMULSIONS, WAX

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
J M Baird Co, 147 Nassau St, N Y
*Buckingham Wax Co, 51-03 Van Dam St, L I C, N Y
*California Flaxseed Products Co, 3125 E 26 St, Los Angeles 23, Cal
*Concord Chem Co, Moorestown, N J
Wm Diehl & Co, 330 W 42 St, N Y
*Fiebing Chem Co, 516 2 St, Milwaukee 4, Wis
Gen Biochem, 7 Laboratory Park, Chagrin Falls, Ohio
*Goldschmidt Chem Corp, 153 Waverly Pl, N Y 14

*Company classifies itself as manufacturer or producer of this product

EMULSIONS, WAX, continued

*A C Horn Co, 10 St & 44 Ave, L I C 1, N Y
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*Linder & Co, 296 N Beacon St, Boston 35, Mass
*Pingo Co, 79 Sudbury St, Boston 14, Mass
*Science Industries, 609-15 Geyer Ave, St Louis 4, Mo
H V Smith & Co, 1910 University Ave, St Paul 4, Minn
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Synthron Inc, Ashton, R I
M C Thomas Co, 11 Commerce St, Norwalk, Conn
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
*Union Bay State Chem Co, 491 Main St, Cambridge 42, Mass
*Whittemore-Wright Co, 62 Alford St, Boston 29, Mass
*Zophar Mills, 116 26 St, Bklyn 32, N Y

ENAMEL WHITE see Lithopone

ENAMELS, ACID-RESISTING (Enamels Defined)

Official A.S.T.M. definition "A special kind of paint which flows out to a smooth coat when applied and dries to a smooth, glossy, relatively hard, permanent solid when exposed in a thin film to the air. An enamel always contains a pigment and has considerable hiding power and color. Some enamels dry to a flat or eggshell finish instead of a gloss finish." Specially prepared enamels because of certain ingredients exhibit the characterisic of being very acid resistant.

*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Baltimore Paint & Color Works, 150 S Calverton Rd, Baltimore 23, Md
*Better Finishes & Coatings, 268 Doremus Ave, Newark 5, N J
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Alfred Hague & Co, 227 34 St, Bklyn, N Y
*Maurice A Knight, P O Box 111, Akron 6, Ohio
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
Norman-Willets Co, 316 Washington St, Chicago 6, Ill
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Pratt & Lambert, 75 Tonawanda St, Buffalo 7, N Y
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Zophar Mills, 116 26 St, Bklyn 32, N Y

ENAMELS, ALUMINUM

Enamels formulated with aluminum paste or powder and used extensively as a sealer: for application to metal and wood surfaces of all kinds (both interior and exterior) etc.

*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Baltimore Paint & Color Works, 150 S Calverton Rd, Baltimore 23, Md
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*L Hemmerdinger & Co, 424 E 123 St, N Y 35
*Midland Industrial Finishes Co, E Water St, Waukegan, Ill
*Old Colony Paint & Chem Co Labs, 620 Lamar St, Los Angeles 31, Cal
*Western States Lacquer Co, 4400 E Washington Blvd, Los Angeles, Cal

ENAMELS, BAKING

Baking enamels formulated largely with modified alkyd resins of the oxidizng types, or combinations of alkyd resins with oil-modified phenol aldehyde resins, vinyl resins, etc., are being used widely in the finishing of automobiles, furniture, etc. Such baking enamels usually require from 45 minutes to 60 minutes at 200°F. to 350°F. for drying to a hard thoroughly dried film.

*Armstrong Paint & Varnish Works, 1318-1500 Kilbourn Ave, Chicago, Ill
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Atlas Powder Co, 9 & Market Sts, Wilmington, Del
*Baer Bros, 438 W 37 St, N Y 18
J M Baird Co, 147 Nassau St, N Y
*Baltimore Paint & Color Works, 150 S Calverton Rd, Baltimore 23, Md
*Barrett Varnish Co, 1532 S 50 Court, Cicero 50, Ill
*Better Finishes & Coatings, 268 Doremus Ave, Newark 5, N J
*W J Dolan & Co, 1830 N Laramie Ave, Chicago 39, Ill
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Duralac Chem Corp, 84 Lister Ave, Newark 5, N J
*Grand Rapids Varnish Corp, 1350 Steele Ave S W, Grand Rapids 2, Mich
*J Landau Co, 221 Wooster St, N Y 12
*Maas & Waldstein Co, 438 Riverside Ave, Newark, N J
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Midland Industrial Finishes Co, E Water St, Waukegan, Ill
*Monroe Sander Corp, 10-18 46 Ave, L I C 1, N Y
*Old Colony Paint & Chem Co Labs, 620 Lamar St, Los Angeles 31, Cal
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Sloss-Sheffield Steel & Iron Co, 3131 1 Ave, N Birmingham 2, Ala
*Yarnall Paint Co, Grays Ave W of 54 St, Phila 43, Pa

ENAMELS, BITUMINOUS

Coatings formulated with bituminous materials and finding wide variety of uses, particularly for waterproofing and where resistance to alkalies and acids is essential.

*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Barrett Div, 40 Rector St, N Y 6
*Johns-Manville, 22 E 40 St, N Y 16
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Paul-Lewis Lab, 4253 N Port Washington Rd, Milwaukee, Wis
*Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Zophar Mills, 116 26 St, Bklyn 32, N Y

ENAMELS, BREWERS

Enamels, largely formulated with heat reactive phenolic solutions, used on the inside of beer drums and tanks containing alcoholic beverages, as a protective coating. Must not be sol. even to the slightest degree, in alcohol, and must not impart any taste, oder or flavor to the contents.

*Dehls & Stein, 237 South St, Newark 5, N J

ENAMELS, CONCRETE

Specially formulated enamels for application to concrete, masonry, brick, etc., to give semi- or full-gloss finish and a protective coating. Should be particularly impervious to water, acids, alkalies, etc. Largely used on concrete floors. Should wear well, should not crack or chip and should stand up under repeated washings. Some products in this classification are formulated with a rubber base.

*Armstrong Paint & Varnish Works, 1318-1500 Kilbourn Ave, Chicago, Ill
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Euclid Chem Co, 1534 Hayden Ave, E Cleveland 12, Ohio
*A C Horn Co, 10 St & 44 Ave, L I C 1, N Y
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Timeproof Paint Products, 40 Richard St, Bklyn 31, N Y

ENAMELS, DIPPING

*Arco Co, 7301 Bessemer Ave, Cleveland 27, Ohio
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Baer Bros, 438 W 37 St, N Y 18
*Baltimore Paint & Color Works, 150 S Calverton Rd, Baltimore 23, Md
*Barrett Varnish Co, 1532 S 50 Court, Cicero 50, Ill
*Better Finishes & Coatings, 268 Doremus Ave, Newark 5, N J
*Duralac Chem Corp, 84 Lister Ave, Newark 5, N J
*Grand Rapids Varnish Corp, 1350 Steele Ave S W, Grand Rapids 2, Mich
*Midland Industrial Finishes Co, E Water St, Waukegan, Ill
*Monroe Sander Corp, 10-18 46 Ave, L I C 1, N Y
*Old Colony Paint & Chem Co Labs, 621 Lamar St, Los Angeles 31, Cal
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Yarnall Paint Co, Grays Ave W of 54 St, Phila 43, Pa

ENAMELS, EGG SHELL FINISH

Special enamels which do not have the usual high gloss finish characteristic of ordinary enamels, but do give a semi-gloss. Largely used for decorative purposes where a flat paint or a high gloss enamel is undesirable.

*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
J M Baird Co, 147 Nassau St, N Y
*Better Finishes & Coatings, 268 Doremus Ave, Newark 5, N J
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Grand Rapids Varnish Corp, 1350 Steele Ave S W, Grand Rapids 2, Mich
*A C Horn Co, 10 St & 44 Ave, L I C 1, N Y
*Old Colony Paint & Chem Co Labs, 620 Lamar St, Los Angeles 31, Cal
*Pratt & Lambert, 75 Tonawanda St, Buffalo 7, N Y
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Timeproof Paint Products, 40 Richard St, Bklyn 31, N Y

ENAMELS, FLAT

Specially formulated enamels which dry to a dull instead of the usual gloss finish.

*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
J M Baird Co, 147 Nassau St, N Y
*Better Finishes & Coatings, 268 Doremus Ave, Newark 5, N J
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*L Hemmerdinger & Co, 424 E 123 St, N Y 35
*Old Colony Paint & Chem Co Labs, 620 Lamar St, Los Angeles 31, Cal
*Pratt & Lambert, 75 Tonawanda St, Buffalo 7, N Y
*Sherwin-Williams Co, 100 Park Ave, N Y 17

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ENAMELS, FURNITURE

Special enamels in wide variety of color used for decorating furniture, etc. Usually a baking or spraying type is employed industrially.

*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
J M Baird Co, 147 Nassau St, N Y
*Baltimore Paint & Color Works, 150 S Calverton Rd, Baltimore 23, Md
*Better Finishes & Coatings, 268 Doremus Ave, Newark 5, N J
*V J Dolan & Co, 1830 N Laramie Ave, Chicago 39, Ill
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Yarnall Paint Co, Grays Ave W of 54 St, Phila 43, Pa

ENAMELS, GLASS

Pigmented finely ground glasses, usually melting between 540 and 600°C. Used for coloring the entire surface of glassware or decorating glassware with colored designs.

Arco Co, 7301 Bessemer Ave, Cleveland 27, Ohio
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Vitro Mfg Co, 60 Greenway Dr & Corliss Sta, Pittsburgh, Pa

ENAMELS, METAL

Coatings specially formulated for application to metal surfaces. Should have special bonding properties. Usually supplied for baking, spraying, or brushing application.

*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Baltimore Paint & Color Works, 150 S Calverton Rd, Baltimore 23, Md
*Barrett Varnish Co, 1532 S 50 Court, Cicero 50, Ill
*Better Finishes & Coatings, 268 Doremus Ave, Newark 5, N J
*V J Dolan & Co, 1830 N Laramie Ave, Chicago 39, Ill
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Duralac Chem Corp, 84 Lister Ave, Newark 5, N J
*Maas & Waldstein Co, 438 Riverside Ave, Newark, N J
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Midland Industrial Finishes Co, E Water St, Waukegan, Ill

ENAMELS, METAL, continued

*Old Colony Paint & Chem Co Labs, 620 Lamar St, Los Angeles 31, Cal
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*United Chromium, 100 E 42 St, N Y
*Yarnall Paint Co, Grays Ave W of 54 St, Phila 43, Pa

ENAMELS, OIL-PROOF

Finishing enamels, oil resistant and usually also water, alkali, and heat resistant, finding wide application on motor frames, housings, engines, and all types of metal products. They are produced either for baking, for spraying, dipping or brushing. See also Varnishes, Engine.

*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Sherwin-Williams Co, 100 Park Ave, N Y 17

ENAMELS, PIPE-LINE

Enamels made with an asphalt or tar base and often reinforced with asbestos fillers.

*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Barrett Div, 40 Rector St, N Y 6
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
*Sherwin-Williams Co, 100 Park Ave, N Y 17

ENAMELS, PORCELAIN

*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn

ENAMELS, REFRIGERATOR

Enamels with strong adhesion, flexibility, heat resistance, etc., used in place of vitreous enamels for coating refrigerators, range and stove parts; supplied for wood or metal and for air dry or bake.

*Arco Co, 7301 Bessemer Ave, Cleveland 27, Ohio
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Baltimore Paint & Color Works, 150 S Calverton Rd, Baltimore 23, Md
*Grand Rapids Varnish Corp, 1350 Steele Ave S W, Grand Rapids 2, Mich
*Old Colony Paint & Chem Co Labs, 621 Lamar St, Los Angeles 31, Cal
*Rinshed-Mason Co, 5935 Milford St, Detroit 10, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17

ENAMELS, RESIN BASE

*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*A C Horn Co, 10 St & 44 Ave, L I C 1, N Y
*Kepac Chem Corp, 1454 N 4 St, Milwaukee, Wis
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Nukem Products Corp, 111 Colgate Ave, Buffalo 20, N Y
*Old Colony Paint & Chem Co Labs, 620 Lamar St, Los Angeles 31, Cal
*Reliance Varnish Co, 4730 Crittenden Dr, Louisville 9, Ky
*Sherwin-Williams Co, 100 Park Ave, N Y 17

ENAMELS, STOVE

Products which produce a black, high gloss enamel finish on stove-pipes and other metal finishes, dry without disagreeable odor and resistant to the action of heat. Term also designates enamels used in finishing operations in stove factories. See Enamels, Porcelain.

*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Midland Industrial Finishes Co, E Water St, Waukegan, Ill
*Old Colony Paint & Chem Co Labs, 620 Lamar St, Los Angeles 31, Cal
*Pingo Co, 79 Sudbury St, Boston 14, Mass
*Rinshed-Mason Co, 5935 Milford St, Detroit 10, Mich

ENAMELS, (Synthetic)

*Arco Co, 7301 Bessemer Ave, Cleveland 27, Ohio
*Armstrong Paint & Varnish Works, 1318-1500 Kilbourn Ave, Chicago, Ill
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
J M Baird Co, 147 Nassau St, N Y
*Barrett Varnish Co, 1532 S 50 Court, Cicero 50, Ill
*Dagmar Chem Co, P O Box 343, Glenbrook, Conn
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Duralac Chem Corp, 84 Lister Ave, Newark 5, N J
*J Landau Co, 221 Wooster St, N Y 12
*Maas & Waldstein Co, 438 Riverside Ave, Newark, N J
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Old Colony Paint & Chem Co, Labs, 620 Lamar St, Los Angeles 31, Cal
*Monroe Sander Corp, 10-18 46 Ave, L I C 1, N Y
*Rinshed-Mason Co, 5935 Milford St, Detroit 10, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17
Standard Varnish Works, 2600 Richmond Terrace, S I 3, N Y
*Timeproof Paint Products, 40 Richard St, Bklyn 31, N Y
*Yarnall Paint Co, Grays Ave W of 54 St, Phila 43, Pa

ENAMELS, THERMOPLASTIC

Specialized enamels compounded with synth. heat-setting resins, resistant to many corrosive solvents, oils, minerals, or organic acids, alkalies, etc.

*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
J M Baird Co, 147 Nassau St, N Y
*Sherwin-Williams Co, 100 Park Ave, N Y 17

ENAMELS, WIRE

*Arco Co, 7301 Bessemer Ave, Cleveland 27, Ohio
*Dow Corning Corp, Midland, Mich
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Standard Varnish Works, 2600 Richmond Terrace, S I 3, N Y

ENAMELS, WRINKLY

Specially formulated products which when baked from 10 to 20 minutes in an oven in which the gases of combustion are retained, develop a uniform wrinkly texture or stipple finish.

*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Maas & Waldstein Co, 438 Riverside Ave, Newark, N J
*New Wrinkle, 105 W Adams St, Chicago 3, Ill
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Yarnall Paint Co, Grays Ave W of 54 St, Phila 43, Pa

ENGLISH WHITE see Calcium Carbonate

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Catalysts of organic and usually colloid nature having a specific action. They are formed by living cells but are usually independent of the presence of the latter in their operation. Uses—produce hydrolysis (decomp. fats, convert aldehydes into a mixture of acid and alcohol, invert sugars, digest proteins), coagulate (clot blood, curdle milk), reduce or decomp. (latic acid and alcohol fermentations), oxidize (convert alcohol into acetic acid.)

*Atlantic Chem Co, 2072 Smith St, Centredale, R I
*Bios Labs, 17 W 60 St, N Y 23
Merchants Chem Co, 60 E 42 St, N Y 17
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Royce Chem Co, Carlton Ave, Carlton Hill, N J
*Schwarz Labs, 202 E 44 St, N Y 17

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Clifton New Jersey

COMPLETE PRODUCT DATA SHEETS AVAILABLE UPON REQUEST

*Company classifies itself as manufacturer or producer of this product

J. U. STARKWEATHER CO., INC.

New England Distributors of
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ENZYMES, continued

Seaboard Industries, 195 Keen St, Paterson, N J
Sessions-Gifford Co. 255 Allens Ave, Providence, R I
*Takamine Lab, 193 Arlington Ave, Clifton, N J
Wallerstein Co, 180 Madison Ave, N Y 16
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J
Wollen Chem & Supply Co, 126 6 Ave, Paterson, N J

EPHEDRINE HYDROCHLORIDE

$C_{10}H_{15}ON \cdot HCl$. M.W. 201.57. White, odorless, needles or powd. M.P. 214°C. Sol. water, alcohol. Used medicinally as a mydriatic and in ophthalmology as an atropine substitute.

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
European Chem Co, 366 Broadway, N Y 13
*Gane's Chem Works, 677 5 Ave, N Y 22
*Gane & Ingram, 43 W 16 St, N Y 11
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
Prentiss Drug & Chem Co, 110 William St, N Y 38
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Sterone Corp, 250 W 57 St, N Y 19
George Uhe Co, 76 9 Ave, N Y 14

EPICHLOROHYDRIN (Chloropropylene Oxide)

$CH_2Cl.CHO.CH_2$. M.W. 92.52. Colorl. liq. Miscible alcohol, ether. B.P. about 117°C. Uses—solvent for resins, mfr. intermediates, lacquer for negatives, solvent for nitrocellulose, mfr. Zapon and other lacquers. cement for cellulose, test for nicotine (Melzer).

J M Baird Co, 147 Nassau St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Shell Chem Corp, 50 W 50 St, N Y 20

EPOXYPROPANE see Propylene Oxide

1,2-EPOXYETHYLBENZENE see Styrene Oxide

ERGOSTEROL

$C_{27}H_{42}O$. M.W. 382.61. White, crystalline solid. M.P. 160-163°C. Sol. in common organic solvents, but insol. in water. One of the sterols important in the synthesis of biologicals.

American Roland Corp, 16 Hudson St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Montrose Chem Co, 120 Lister Ave, Newark 5, N J
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Smith-N Y Co, 61 Hampton Pl, Freeport, N Y
*Standard Brands, 595 Madison Ave, N Y 22

ESCULIN (Aesculin, Aesculinic Acid, Analachrom, Polychrom, Bicolorin)

$C_{15}H_{16}O_9$. M.W. 340.20. A glucoside from the seeds of the horse chestnut. White colorless needles, sl. sol. water; readily sol. alcohol or alkalis, giving fluorescent solutions. Used medicinally as an antimalarial, and in ophthalmology.

Amend Drug & Chem Corp, 117-119 E 24 St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
*S B Penick & Co, 50 Church St, N Y 7

ERYTHRENE see Butadiene

ESSENCE OF MIRBANE see Nitrobenzene

ESSENCE OF NIOBE see Methyl Benzoate

ESTERS, see advertisements on this page and individual listings

ESTRADIOL

$CH_3C_{17}H_{19}(OH)_2$. M.W. 272.36. White cryst. M.P. 175°C. Sol. water, ether, alcohol. Uses—estrogenic hormone, pharmaceuticals.

American Roland Corp, 16 Hudson St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Chemtech Products Corp, 62 William St, N Y 5
Conray Products, 510 6 Ave, N Y 11
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
*Desmo Corp, 565 5 Ave, N Y 17
*Fallek Products Co, 163 Broadway, N Y 6
Fine Chem Co, 156 E 42 St, N Y 17
*Mann Fine-Chem, 136 Liberty St, N Y 6
*Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*Organics Inc, 1724 W Greenleaf Ave, Chicago 26, Ill
Edgar Ostrander Co, 220 5 Ave, N Y 1
*S B Penick & Co, 50 Church St, N Y 7
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Sterol Derivatives, 3626 Medford St, Los Angeles 63, Cal
Tuteur Bio-Chem, 60 Wall St, N Y 5
*Ziegler Pharmacal Corp, 500 Franklin St, Buffalo 2, N Y

ESTROGENIC SUBSTANCES

American Roland Corp, 16 Hudson St, N Y
J M Baird Co, 147 Nassau St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Ben Venue Labs, 270 Northfield Rd, Bedford, Ohio
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
*Fallek Products Co, 163 Broadway, N Y 6
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Lakeside Labs, 1707 E North Ave, Milwaukee 1, Wis
*Mann Fine-Chem, 136 Liberty St, N Y 6
*Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*Organics Inc, 1724 W Greenleaf Ave, Chicago 26, Ill
*S B Penick & Co, 50 Church St, N Y 7
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Sterol Derivatives, 3626 Medford St, Los Angeles 63, Cal
Tuteur Bio-Chem, 60 Wall St, N Y 5
*Ziegler Pharmacal Corp, 500 Franklin St, Buffalo 2, N Y

ETCHING COMPOUNDS

Products applied to glass to produce a frosted effect (sometimes termed matted or satin finish): by varying strength and duration of the frosting bath, various effects from a smooth satin finish to a dense white sandpaper-like finish are possible; by covering certain parts with suitable stencils, etc., designs are thus produced.

*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Philip A Hunt Co, Palisades Park, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKay Chem Co, 880 Pacific St, Bklyn 17, N Y
*Rosco Labs, 367 Hudson Ave, Bklyn 1, N Y
*Stewart Chem Products Co, Longmont, Col

ETHAL see Alcohol, Cetyl

ETHANE

C_2H_6. M.W. 30.05. Saturated hydrocarbon of the methane series, a colorless gas. d (air = 1) = 1.049. F.P. 172°C. Sl. water, alcohol, ether. Uses—to enrich illuminating gas.

Matheson Co, Paragon Div, E Rutherford, N J
Ohio Chem & Surgical Equipment Co, 1400 Washington Ave, Madison 10, Wis

ESTERS

Ethyl Acetate, Isopropyl Acetate, n-Butyl Benzoate, Isopropyl Benzoate, n-Butyl Acetate, Methyl CELLOSOLVE Acetate, Methyl Amyl Acetate, CELLOSOLVE Acetate, 2-Ethylhexyl Acetate, Nonyl Acetate, CARBITOL Acetate, Butyl CARBITOL Acetate, Glycol Diacetate, Methoxy Triglycol Acetate, Diethyl Sulfate, Ethyl Acetoacetate, Sucrose Octa Acetate, Vinyl Acetate, Ethyl Silicate, Allylidene Diacetate, Ethyl Acrylate, and several maleic esters are supplied commercially by Carbide and Carbon Chemicals. They are used as solvents, plasticizers, and intermediates.

CARBIDE AND CARBON CHEMICALS COMPANY

A Division of
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Cocarboxylase	Pectinase
Coenzyme I	Penicillinase
Cytochrome C	Pepsin, cryst.
Desoxyribonuclease	Phosphatase
	Phosphorylase
Emulsin	Protease
Enterokinase	Proteolytic Enzymes
Erepsin	
Glucuronidase	Rennin
Hemicellulase	Ribonuclease
Hexokinase	Trypsin, cryst.
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ETHYL ETHER

Clear colorless extremely volatile liquid with ethereal odor. An excellent solvent for many organic compounds. Used in the extraction of fats, oils and alkaloids, and in the recovery of acetic acid from dilute water solutions. With alcohol it is an excellent solvent for nitrocellulose. Source for pure ethylene.

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ETHANETRILE see Acetonitrile

ETHANOL see Alcohol, Ethyl

ETHANOYL CHLORIDE see Acetyl Chloride

ETHENE see Ethylene

ETHENYL CHLORIDE see Vinyl Chloride

ETHER (Sulfuric Ether, Anaesthesia Ether, Ethyl Ether, Vinic Ether)

$(C_2H_5)_2O$. M.W. 74.08. Colorless, inflammable, volatile liq., pleasant aromatic odor. Sp. gr. 0.714. M.P. —116.2°C. B.P. 34.5°C. F.P. below 10°F. Sol. water, alcohol, benzene, chloroform. Wt. per gal. at 25°C. 5.90 lbs. (approx.). Uses—mfr. intermediates, organic chemicals, rayon, pyroxylin products; solvent dyes, fats, oils, gums, waxes, resins, alkaloids, nitrocellulose, collodion, perfumes and smokeless powd.; solvent in chemical processes; alcohol denaturant; laboratory reagent; extracting fats, oils, gums, resins; gasoline engine primer; in medicine. Grades—U.S.P.: C.P.; conc.; U.S.P. for anaesthesia U.S.P. 1880: washed; anhydrous; motor. (Anaesthesia unfit for use after 24 hrs. exposure to air).

American Quinine Co, 15 William St, N Y
Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Enjay Co, 15 W 51 St, N Y 19
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Howe & French, Mfg Dept, E Weymouth, Mass
L J & M La Place, Leliarts Lane, E Paterson, N J
*Lewis Co, 232 Canal St, N Y 13
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
S C McClellan & Co, 141 Milk St, Boston 9, Mass
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
Mutchler Chem Co, 258 Broadway, N Y 7
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
J U Starkweather Co, 241 Allens Ave, Providence, R I
George Uhe Co, 76 9 Ave, N Y 14
*U S Industrial Chem, 60 E 42 St, N Y

ETHER, ALLYL

$(CH_2CHCH_2)_2O$. M.W. 98.08. Colorless liq. B.P. 94°C. Insol. water; miscible ether, alcohol.

*Matheson Co, Paragon Div, E Rutherford, N J

ETHER, AMYL

Mixture of di-isomyl ether and di-n-amyl ether, with formulas a. $(CH_3.CH_2.CH_2.CH_2CH_2)_2O$. b.$[(CH_3)_2.CH.CH_2.CH_2]_2O$. B.P. a. 190°C; b. 172°C. Clear or light yellow liq. Sp. gr. (20°C.) 0.805. Distillation—initial above 170°C 90% below 200 C. final not above 230°C. Wt. per gal., 6.5 lbs. Insol. water, miscible with ether. Uses—as a solvent.

*Matheson Co, Paragon Div, E Rutherford, N J
*Sharples Chem, 123 S Broad St, Phila 9, Pa

ETHER, ANAESTHESIA see Ether

ETHER BROMIC see Ethyl Bromide

n-ETHER, BUTYL (Butoxybutane, Butyl Oxide, Dibutyl Ether)

$C_4H_9OC_4H_9$. B.P. 140.9°C. Sp. gr. 0.769. Colorless, stable liq. Miscible most organic solvents; practically insol. water. Forms explosive peroxides. Uses—extraction agent; solvent for gums, resins, oils, organic acids, esters and alkaloids; purifier for other solvents.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

ETHER, CINNAMIC see Ethyl Cinnamate

ETHER, DIBENZYL (Benzyl Ether)

$(C_6H_5CH_2)2O$. Colorless oil. Dens., 1.0428. M.P. 4-5°C. B.P. 295-8°C. Sol. alcohol, ether; insol. water. Uses—plasticizer for synth. rubber, in organic syntheses; laboratory reagent.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1

ETHER, DIBUTYL see Ether, n-Butyl

ETHER, DICHLORODIPHENYL (x-Dichloro [Phenyl Ether])

$Cl_x(C_6HxOC_6Hy)$, where $x + y = 8$. M.W. 239.1. Clear, colorless to pale straw-colored, highly refractive liquid. Completely miscible in acetone, benzene, ether; sol. alcohol, carbon tetrachloride, petroleum ether; insol. water.

*Dow Chem Co, Midland, Mich

ETHER, 2,2'-DICHLORDIISOPROPYL see Ether, Dichloroisopropyl

ETHER, DICHLOROETHYL

$ClCH_2CH_2OCH_2CH_2Cl$. M.W. 143. Chloroform-like odor. Uses—soil fumigation, insecticide; solvent; in textile processes where high temp. are necessary.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Mathieson Hydrocarbon Chem Corp, Mathieson Bldg, Baltimore 3, Md

ETHER, DICHLOROISOPROPYL (2,2'-Dichlordiisopropyl Ether)

$ClCH_2(CH_3)CHOCH(CH_3)CH_2Cl$. M.W. 171. High boiling liq. Uses—in textile processes where high temp. are necessary; solvent; intermediate in mfr. of dyes, resins, certain pharmaceuticals.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

ETHER, DIETHYLENE GLYCOL MONOBUTYL (Butyl Carbitol)

$C_4H_9OCH_2CH_2OCH_2CH_2OH$. M.W. 162.14. B.P. 231.2°C. Sp. gr. 0.9553. Colorless, practically odorless liq. Sol. water, oils. Uses—solvent for nitrocellulose, hydroxylin lacquers, dopes, pyroxylin plastics, printing inks, resins, soaps, oils; mfr. specialty soaps and textile oils.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich
Mutchler Chem Co, 258 Broadway, N Y 7

ETHER, DIETHYLENE GLYCOL MONOETHYL (Carbitol)

$CH_2OH.CH_2OCH_2CH_2OC_2H_5$. Colorless liq. B.P. 201.9°C. Sol. alcohol, ether. Uses—mfr. cellulose ester varnishes, plastics; as solvent. Grades—tech.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich
Mutchler Chem Co, 258 Broadway, N Y 7

ETHER, DIETHYLENE GLYCOL MONOMETHYL (Methyl Carbitol)

$CH_3OCH_2CH_2OCH_2CH_2OH$. M.W. 120.09. B.P. 193.2° C. Sp. gr. 20/20°C, 1.030 to 1.040. Odor, mild, nonresidual. Water-white liq.; miscible with usual organic solvents, sol. in water. Wt. per gal., 8.61 at 20°C. Uses—solvent for resins, cellulose acetate, nitrocellulose, refined castor oil, shellac, ester gums, waxes, lacquers; mfr. wood stains, cosmetics, textile dyestuffs, printing inks and pastes.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich

ETHER, DIMETHYL (Methyl Ether, Methyl Oxide, Wood Ether, Methoxymethane)

CH_3OCH_3. Colorless gas. Dens., 2.091g/1; M.P. -138.5; b.p. -23.65. Sol. water, alchol, ether. Uses—refrigerant; solvent; extraction agent; propellant for sprays.

Republic Chem Corp, 94 Beekman St, N Y 38

ETHER, ETHYL see Ether

ETHER, ETHYLENE GLYCOL DIETHYL

Colorless liq. with sl. ethereal odor. Sol. in water. Uses—mutual solvent for oil and water combinations in detergents and wetting agents. May be used as inert reaction medium.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich
Republic Chem Corp, 94 Beekman St, N Y 38

ETHER, ETHYLENE GLYCOL ETHYLBUTYL

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich

ETHER, ETHYLENE GLYCOL MONOBUTYL (Butyl Cellosolve)

$OHCH_2CH_2OC_4H_9$. Liq. Sp. gr. .9017 at 20/20. B.P. 170.6°C. Sol. alcohol ether. Uses—solvent in paints, varnishes, lacquers, plastics. Grades—tech.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich
Mutchler Chem Co, 258 Broadway, N Y 7
Republic Chem Corp, 94 Beekman St, N Y 38

*Company classifies itself as manufacturer or producer of this product

ethyl acetate

• Eastman ethyl acetate is an excellent fast-evaporating solvent for use in lacquers, varnishes, paints and pyroxylin plastics. It may be employed as a process solvent in the manufacture of drugs, perfumes and various chemical intermediates.

Eastman ethyl acetate is normally furnished with ST-115 as denaturant, but special denaturants can be supplied on request. Available in drums, compartmented and full tank cars.

TENNESSEE EASTMAN COMPANY
Division of Eastman Kodak Company
KINGSPORT, TENNESSEE

EASTMAN INDUSTRIAL CHEMICALS

Sales Reps in principal cities—see ad in Catalog Section.

ETHER, ETHYLENE GLYCOL MONOETHYL (Cellosolve)

$OHCH_2.CH_2OC_2H_5$. M.W. 90.08. Liq. Sp. gr. .9311 at 20/20°C. B.P. 135.1°C. Sol. alcohol and water, ether. Uses—solvent in paints, varnishes, plastics; also a dye solvent. Grades—tech.

Aceto Chem Co, 82 Beaver St, N Y 5
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich
Legion Chem, 70 Wall St, N Y 5
Mutchler Chem Co, 258 Broadway, N Y 7
Republic Chem Corp, 94 Beekman St, N Y 38

ETHER, ETHYLENE GLYCOL MONOMETHYL (Methyl Cellosolve)

$CH_3OCH_2CH_2OH$. M.W. 76.06. B.P. 124.3°C. Water-white liq. Sp. gr. 0.9660 at 20/20°C. Wt. per gal. 8.1 lbs., at 20°C. Uses—solvent for low viscosity cellulose acetate, nitrocellulose; with petroleum hydrocarbons provides thinner for certain varnishes; solvent for dyes; sealing moisture-proof transparent wrapping; in dry cleaning soaps.

Aceto Chem Co, 82 Beaver St, N Y 5
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich

ETHER, ETHYLENE GLYCOL MONOPHENYL

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich

ETHER, HEXYL (Normal Hexyl Ether)

$C_6H_{13}OC_6H_{13}$. M.W. 186.33. Mild-odored, stable liq. Sp. gr. 0.7942. B.P. 226.2°C. Uses—medium for chemical reactions which are carried out in strict ethereal vehicle. Also useful as component of foam breakers.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

ETHER, HYDRIODIC see Ethyl Iodide

ETHER, HYDROCHLORIC see Ethyl Chloride

ETHER, ISOPROPYL

$(CH_3)_2CH\text{-}O\text{-}CH(CH_3)_2$. Colorless liq. of ethereal odor. B.P. 67.5°C. Commercial product is sol. in water to extent of 0.65% by volume at 25°C, while water is sol. in it to the extent of 0.025 % at hte same temp. Sp. gr. .07258 at 20/20°C. Uses—solvent for animal, vegetable and mineral oils, fats, waxes and resins; conc. of organic acids by extraction; oil dewaxing.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Enjay Co, 15 W 51 St, N Y 19
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
L J & M La Place, Leliarts Lane, E Paterson, N J
*Shell Chem Corp, 50 W 50 St, N Y 20
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

ETHER, LACTIC see Ethyl Lactate

ETHER METHYL see Ether, Dimethyl

ETHER, METHYL PHENYL see Anisole

ETHER, MONOCHLORACETIC see Ethyl Monochloroacetate

ETHER, MURIATIC see Ethyl Chloride

ETHER, b-NAPHTHYL ETHYL see Nerolin

ETHER, b-NAPHTHYL METHYL see Yara Yara

ETHER, NITRIC see Ethyl Nitrate

ETHER, OXALIC see Ethyl Oxalate

ETHER, PETROLEUM see Benzine

ETHER, PHENYL ETHYL see Phenetole

ETHER, PROACETIC see Acetone

ETHER, PROPIONIC see Ethyl Propionate

J T Baker Chem Co, Phillipsburg, N J
C P Chem Solvents, 60 Park Pl, Newark 2, N J
City Chem Corp, 132 W 22 St, N Y 11
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

ETHER, PROPYLENE GLYCOL METHYL

*Dow Chem Co, Midland, Mich

ETHER, VINYL n-BUTYL

$CH_2CHOC_4H_9$. M.W. 100.16. Liq. B.P. 94.1. F.P. —112.7°C. Sl. sol. water. Uses—polymerization intermediate.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

ETHER, VINYL CHLOROETHYL

$CH_2CHOCH_2CH_2Cl$. M.W. 106.58. Liq. B.P. 108.9. F.P. —70.3. Sl. sol. water. Uses—polymerization and copolym. interm.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

ETHER, SULFURIC see Ether

ETHER, VALERIC see Ethyl Valerate

ETHER, VINYL METHOXYETHYL

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

ETHER, WOOD see Ether, Dimethyl

ETHERIN see Ethylene

ETHINE see Acetylene

ETHOCAINE see Procaine Hydrochloride

p-ETHOXYACETANILID see Acetophenetidin

ETHOXYDIGLYCOL Phthalate

*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Ohio-Apex, Nitro, W Va

ETHOXY GLYCOL PHTHALATE

*Ohio-Apex, Nitro, W Va
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

ISOPROPYL ETHER

Clear colorless liquid with ethereal odor. It has a higher boiling point and a lower vapor pressure than ethyl ether and acetone. Excellent solvent for animal, vegetable and mineral oils, fats, waxes and resins. Because of solvent and low vapor pressure properties it is valuable as an extracting agent. Other uses are: partial solvent for oil soluble dyes, ethyl cellulose solvent, and with alcohol in the formulation of nitrocellulose lacquers.

ENJAY

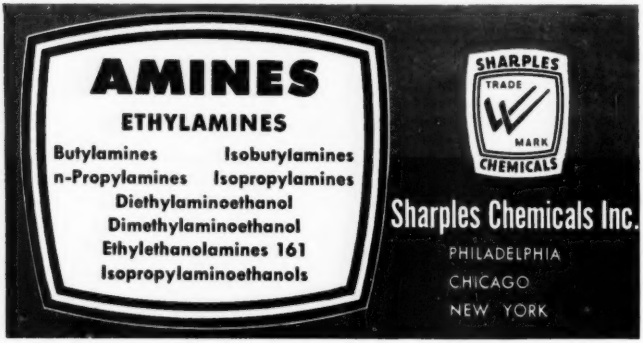
ENJAY COMPANY, INC.
15 West 51st St.
New York 19, N. Y.
Write or phone for further information

ETHYL ACETATE (Acetic Ether, Aether Aceticus, Vinegar Naphtha)

$CH_3COOC_2H_5$. Colorless, inflam. liq., fragrant odor. Sp. gr. 0.9003. M.P. —82.4°C. B.P. 77.15°C. Sol. water, alcohol, chloroform, ether. Uses—mfr. synth. dyes, drugs and perfumes, intermediate chemicals, artificial horse hair for brushes, phosgene gas; solvent for pyroxylin and nitrocellulose plastics, organic chemicals, acetoacetic ester, of nitrocellulose in artificial leather, artificial fruit flavors, smokeless powd., nitrocellulose varnishes, paints and dopes, perfumes, photographic films and plates, rayon; cleaning textiles; in medicine. Grades—pure anhydrous refined (various grades), tech.

Aceto Chem Co, 82 Beaver St, N Y 5
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
American Mineral Spirits Co, 155 E 44 St, N Y 17
American Quinine Co, 15 William St, N Y
W W Angus, 220 Broadway, N Y
J M Baird Co, 147 Nassau St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
F M Browning Co, 150 Broadway, N Y 38
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Commercial Solvents Corp, 17 E 42 St, N Y 17
Dodge & Olcott, 180 Varick St, N Y 14
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Ford Motor Co, 300 Schaefer Rd, Dearborn, Mich
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Wm S Gray & Co, 342 Madison Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Leliarts Lane, E Paterson, N J
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
G C McClellan & Co, 141 Milk St, Boston 9, Mass
McKesson & Robbins, 155 E 44 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
Mutchler Chem Co, 258 Broadway, N Y 7
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Phillips & Martin Co, 5524 N Wolcott Ave, Chicago, Ill
Polak & Schwartz, 667 Washington St, N Y 14
*Publicker Industries, 1429 Walnut St, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Scholle Chem Corp, 6641 Ridge Ave, Chicago 26, Ill
Sessions-Gifford Co, 255 Allens Ave, Providence, R I

*Company classifies itself as manufacturer or producer of this product



ETHYL ACETATE (Acetic Ether, Aether Aceticus, Vinegar Naptha), continued

Shawinigan Products Corp, 350 5 Ave, N Y 1
*Shawinigan Resins Corp, 644 Monsanto Ave, Springfield 2, Mass
J U Starkweather Co, 241 Allens Ave, Providence, R I
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
**Tennessee Eastman Co, 10 E 40 St, N Y 16
*U S Industrial Chem, 60 E 42 St, N Y
*Verona Chem Co, 26 Verona Ave, Newark, N J
Warner-Graham Co, President & Fawn Sts, Baltimore 2, Md

ETHYL ACETOACETATE (Diacetic Ester, Acetoacetic Ester)

$CH_3COCH_2COOC_2H_5$. Colorless or slightly yellowish liq. fruity odor. Sp. gr. 1.025. B.P. 94°C (34 mm). Sol. benzene, chloroform, alcohol; sl. sol. water. Uses—mfr. antipyrine, intermediates, organic chemicals, ionone and other synth. perfumes. Grades—tech.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*U S Industrial Chem, 60 E 42 St, N Y
*Verona Chem Co, 26 Verona Ave, Newark, N J

ETHYL 12-ACETOXY RICINOLEATE see Ethyl Acetyl Ricinoleate

ETHYLBUTYL KETONE

$C_9H_{18}OC_2H_5$. M.W. 114.18. Water-white liq. B.P. 147.8. F.P. —36.7. Sl. sol. water. Uses—solvent for pharmaceuticals, applications: dewax. lubricat. oils and natural gums; chemical intermediate.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

2-ETHYLBUTYRALDEHYDE

$C_6H_{12}O$. M.W. 100.16. Colorless liq. B.P. 116° C. Sp. gr. 0.8164 (20°C). Insol. in water. Uses—mfr. pharmaceuticals, rubber accelerators, and synth. resins; starting compound in organic syntheses.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

ETHYL BUTYRATE

$C_3H_7COOC_2H_5$. Water-white liq. B.P. 121.3°C. Sp. gr. 0.879. Miscible alcohol, ether, insol. water. Uses—mfr. perfumery and flavors.

Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Geo Lueders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*Northwestern Chem Co, 120 N Aurora St, W Chicago, Ill
Polak & Schwartz, 667 Washington St, N Y 14
*Verona Chem Co, 26 Verona Ave, Newark, N J

ETHYL CARBAMATE see also Urethan

$NH_2CO_2C_2H_5$. Colorless needles. Sp. gr. 0.986 at 20°C; M.P. 49°C; B.P. 184°C. Sol. water, alcohol, ether. Uses—in medicine, organic synthesis.

*American Quinine Co, 15 William St, N Y
*U S Industrial Chem, 60 E 42 St, N Y

ETHYL CARBONATE see Diethyl Carbonate

ETHYL CARBINOL see Alcohol, Propyl

ETHYL CELLULOSE

Cellulose ether. A non-inflammable, white, granular material; sol. in many cheap solvents; and stable in exposure to light. Film is flexible at low temp. Uses—in films, lacquers, and plastics; may be used as toughening agent for plastics, protective coatings, and textile finishing.

American Firstoline Corp, 420 Lexington Ave, N Y
*American Molding Powder & Chem Corp, 703 Bedford Ave, Bklyn 6, N Y
American Pyroxylin Corp, P O Box 193, Arlington, N J
A Bamberger Corp, 703 Bedford Ave, Bklyn 6, N Y
Barclay Chem Co, 75 Varick St, N Y
*Paul Blum Co, 313-319 Larkin St, Buffalo 10, N Y
Chem Service Corp, 82 Beaver St, N Y 5
*Dow Chem Co, Midland, Mich
*Hercules Powder Co, Wilmington, Del
*Nixon Nitration Works, Nixon, N J
*Alan D Oppenheimer, 578 Exchange St, Buffalo 10, N Y
Plastichemicals Co, 1 Beekman St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38

ETHYL CHLORIDE (Monochloroethane, Chlorethane, Hydrochloric Ether, Muriatic Ether)

C_2H_5Cl. Gas. Also colorless, highly inflammable liq. Sp. gr. 0.9214. B.P. 12.5°C. Miscible alcohol, ether; sl. sol. water. Uses—as refrigerant; solvent for phosphorus, fats, oils, resins, waxes; laboratory reagent; alkylating agent in making intermediates, organic chemicals, dyes, etc.; insecticide ingredient; in medicine. Grades—U.S.P.; tech.

Barclay Chem Co, 75 Varick St, N Y
*Dow Chem Co, Midland, Mich
Matheson Co, Paragon Div, E Rutherford, N J
Ohio Chem & Surgical Equipment Co, 1400 Washington Ave, Madison 10, Wis
*Shell Chem Corp, 50 W 50 St, N Y 20

ETHYL CHLOROACETATE

$ClCH_2CO_2C_2H_5$. M.W. 122.53. Colorless liq. B.P. 145°C. M.P. —26°C. Insol. water; miscible alcohol, ether.

*Dow Chem Co, Midland, Mich

ETHYL CHLOROCARBONATE see Ethyl Chloroformate

ETHYL CHLOROFORMATE (Ethyl Chlorocarbonate)

$ClCOO.C_2H_5$. Colorless liq. Sp. gr. 1.139. B.P. 94°C. Sol. alcohol, ether. Uses—mfr. intermediates, organic chemicals, flotation reagents. Grades—tech.

*U S Industrial Chem, 60 E 42 St, N Y

ETHYL CINNAMATE (Cinnamic Ether)

$C_6H_5C_2CO_2C_2H_5$. Oily liq. strawberry-like odor. Sp. gr. 1.05. M.P. 12°C. B.P. 271°C. Sol. alcohol, ether. Insol. water. Cont.—100 lbs. drums. 50 lbs. carboys. 1. 5. 10 lbs. cans or bottles. Uses—perfuming and flavoring.

Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
Polak & Schwartz, 667 Washington St, N Y 14
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

ETHYL CROTONATE

$CH_3CHCHCOOC_2H_5$. M.W. 114.14. Water-white liq. B.P. 139°C. Uses—solvent and softening agent, lacquers, polymers, organic synthesis.

*Algo Chem Co, 1027 S Deacon St, Detroit, Mich

ETHYL CYANOACETATE

$CH_2CNCOOC_2H_5$. M.W. 113.11. Almost colorless liq. with a sweetish odor. B.P. 205.3-209.1°C. Sl. sol. in water; sol. in acetate esters; insol. in ether and carbon tetrachloride. Sp. gr. 1.059 at 25°C. Flash pt. 104°C. Wt. per gal., 8.8 lbs. at 25°C. Uses—mfr. pharmaceutical intermediates; intermediate in general organic synthesis.

*American-British Chem Supplies, 180 Madison Ave, N Y
Benzol Products Co, 237 South St, Newark 25, N J
*Edward S Burke, 65 Pine St, N Y
*Dow Chem Co, Midland, Mich
**Kay-Fries Chem, 180 Madison Ave, N Y 16

ETHYL CYCLOHEXANE

ETHYL DIFLUOROACETATE

ETHYL FORMATE (Formic Ether)

$HCO_2C_2H_5$. Colorless, inflammable liq. sol. water, alcohol, ether. Uses as an insecticide, larvacide, in mfr. drugs, perfumes; in medicine. Grades—tech.

*American-British Chem Supplies, 180 Madison Ave, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
City Chem Corp, 132 W 22 St, N Y 11
**Commercial Solvents Corp, 17 E 42 St, N Y 17
Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Ford Motor Co, Iron Mt, Mich
**Kay-Fries Chem, 180 Madison Ave, N Y 16
Geo Lueders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*Northwestern Chem Co, 120 N Aurora St, W Chicago, Ill
**Trubek Labs, State Hway Rt 17, E Rutherford, N J
*Verona Chem Co, 26 Verona Ave, Newark, N J

ETHYL o-FORMATE (Acethon)

$CH(OC_2H_5)_3$. M.W. 148.20. Leaves. M.P. 34°C. Insol. water; miscible alcohol, ether.

*American-British Chem Supplies, 180 Madison, N Y
**Kay-Fries Chem, 180 Madison Ave, N Y 16

2-ETHYLHEXALDEHYDE (Ethyl Butyl Acetaldehyde)

$C_4H_9CH(C_2H_5)CHO$. M.W. 128.21. Colorless liq. M.P. less than —100°C. B.P. 163-4°C.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

2-ETHYL HEXANAL see Octyl Aldehyde

ETHYLHEXANEDIOL (2-Ethylhexanediol-1, 3-Ethylhexylene Glycol)

$CH_3CH_2CH_2CH(OH)CH(C_2H_5)CH_2OH$. M.W. 146.22. B.P. 244°C. Non-volatile; colorless; faint odor. Uses—insect repellant, in liq. form or in a cosmetic cream.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

2-ETHYLHEXANEDIOL-1,3-ETHYLHEXYLENE GLYCOL see Ethylhexanediol 3-Ethylhexylene Glycol)

2-ETHYL HEXANOL see Alcohol, Octyl

2-ETHYL HEXYL ACETATE see Octyl Acetate

ETHYLHEXYL AMINE

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

2-ETHYL HEXYL BROMIDE

**Halogen Chem, 1505 Charlton Dr, Columbia, S C
McKesson & Robbins, 155 E 44 St, N Y 17
*Sapon Labs, 543 Union St, Bklyn, N Y

ETHYLHEXYL CHLORIDE

$C_4H_9CH(C_2H_5)CH_2Cl$. M.W. 148.67. Water-white liq. B.P. 172.9. F.P. —135°C. Very sl. sol. water. Uses—solvent for oils, fats, waxes, intermediate for surface active agents; alkylating agent.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

ETHYL HYDRATE see Alcohol, Ethyl

ETHYL HYDROBROMIC see Ethyl Bromide

ETHYL-p-HYDROXYBENZOATE

$HOC_6H_4CO_2C_2H_5$. M.W. 166.17. Colorless liquid. B.P. 149-50°C.

Philipp Bauer Co, 2 W 47 St, N Y
*Goldschmidt Chem Corp, 153 Waverly Pl, N Y 14
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
**Heyden Chem Corp, 290-300 River Dr, Garfield, N J
**R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

*Company classifies itself as manufacturer or producer of this product

ETHYL HYDROXYISOBUTYRATE

*Rohm & Haas Co, Washington Sq, Phila 5, Pa

ETHYL IODIDE (Monoiodoethane, Ether Hydriodic)

C_2H_5I. M.W. 155.97. Colorless liq. Sp. gr. 1.940 (15°C). M.P.—108.5°C. B.P. 72°C. Sol. benzene, chloroform, ether, alcohol; sl. sol. water. Uses—mfr. intermediates, organic chemicals, perfumes; in medicine. Grades—tech.; U.S.P.

*Edcan Labs, 10-20 Pine St, S Norwalk, Conn
*Edwal Labs, Ringwood, Ill
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

ETHYL ISOBUTYRATE (Ethyl Dimethylacetate)

$C_6H_{12}O_2$. M.W. 116.13. A colorless liq. B.P. 110°C. Sl. sol. water; miscible alcohol, ether.

Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Verona Chem Co, 26 Verona Ave, Newark, N J

ETHYL LACTATE (Lactic Ether, Ethyl Alphaoxypropionate)

$CH_3CHOHCOOC_2H_5$. Colorless liq. Sp. gr. 1.024-1.036 (15°C). B.P. 154°C. Miscible alcohol, ether, and water with partial decomposition. Uses—solvent cellulose acetate and nitrocellulose; in medicine. Grades—tech.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Quinine Co, 15 William St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Commercial Solvents Corp, 17 E 42 St, N Y 17
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
P R Dreyer, 113 W 19 St, N Y
Kingston Chem Co, 15 William St, N Y 5
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Polak & Schwartz, 667 Washington St, N Y 14
Republic Chem Corp, 94 Beekman St, N Y 38
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

ETHYLANILINE see Monoethylaniline

ETHYL LAURATE

$CH_3(CH_2)_{10}CO_2C_2H_5$. M.W. 228.36. Oil. M.P. —10.7. B.P. 269°C. Insol. water; sol. organic solvents.

W W Angus, 220 Broadway, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Matheson Co, Paragon Div, E Rutherford, N J
*Verona Chem Co, 26 Verona Ave, Newark, N J

ETHYL LEVULINATE

$CH_3CO(CH_2)_2CO_2C_2H_5$. M.W. 144.17. Colorless liq. Very sol. water; miscible alcohol.

P R Dreyer, 113 W 19 St, N Y
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J

ETHYL LITHIUM

C_2H_5Li. M.W. 35.96. Colorless solution of ethyllithium in low-boiling petroleum ether. Uses—organic synthesis, pharmaceuticals.

*Algo Chem Co, 1027 S Deacon St, Detroit, Mich

ETHYL MALEATE

$(CHCO_2C_2H_5)_2$. M.W. 172.18. Colorless liq. B.P. 225°C. Insol. water; sol. organic solvents.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Matheson Co, Paragon Div, E Rutherford, N J

ETHYL MALONATE

$CH_2(CO_2C_2H_5)_2$. M.W. 160.17. Colorless liq. Sp. gr. 1.055 at 20°C. M.P. —49.8°C. B.P. 198.9°. Very sl. sol. water. Sol. alcohol, ether. Uses—intermediate.

Amplex Chem Co, 60 Wall St, N Y
*Dow Chem Co, Midland, Mich
*Metropolitan Chem Co, 17 W 60 St, N Y 23

ETHYL MERCAPTAN

C_2H_5SH. M.W. 62.07. Volatile liq. of extremely strong, "skunk-like" odor. B.P. °C. Sp. gr. 0.840 (25/25°C). Wt. per gal. 7.01 lbs. Flash ponit about 3 F. Uses—warning agent, odorizer, in natural and petroleum fuel gas systems; warning agent indicating overheating of machines, when sealed in a low-metal alloy within the machine.

*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Tennessee Eastman Co, 10 E 40 St, N Y 16
*Union Oil Co of Cal, 617 W 7 St, Los Angeles 17, Cal
Universal Mfg Co, P O Box 2427, Houston 1, Tex

ETHYL METHACRYLATE

$CH_2{:}C\text{-}(CH_3)\text{-}(CO_2)C_2H_5$. M.W. 114. Water-white mobile olatile liq. with pronounced agreeable odor. Uses—polymerization.

Wallace A Erickson & Co, 842 N Wells St, Chicago 14, Ill
*Rohm & Haas Co, Washington Sq, Phila 5, Pa

ETHYL MONOBROMOACETATE

$CH_2BrCOOC_2H_5$. M.W. 167.0. Colorless to sl. yellow liq., very irritating to the eyes. Sp. gr. 1.507 at 25/4°C. Wt. per gal. 12.5 lbs. at 25°C. B.R. 158.0-160.0°C; with slight decomposition; completely miscible alcohol, ether; insol. water. Uses—mfr. tear gases.

*Dow Chem Co, Midland, Mich

ETHYL MONOCHLOROACETATE (Monochloracetic Ether)

$CH_2ClCOOC_2H_5$. Colorless liq., pungent odor. Sp. gr. 1.157 (15°C). B.P. 144°C. Sol. alcohol, ether; insol. water. Uses—mfr. intermediates, organic chemicals. Vapors injurious to eyes. Grades—tech.

*Dow Chem Co, Midland, Mich

ETHYL MONOETHYLAMINE

ETHYL MORPHOLINE

ETHYL MYRISTATE

$CH_3(CH_2)_{12}COOC_2H_5$. M.W. 256.25. Colorless liq. M.P. 12°C. B.P. 295°C. Insol. water; sol. alcohol; sl. sol. ether.

Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Matheson Co, Paragon Div, E Rutherford, N J

ETHYL NITRATE (Nitric Ether)

$C_2H_5ONO_2$. M.W. 91.05. Colorless liq., pleasant odor. Sp. gr. 1.105. B.P. 88.7°C. Sol. alcohol, ether. Uses—mfr. organic chemicals, intermediates, synth. dyes, drugs, perfumes. Grades—tech.

Republic Chem Corp, 94 Beekman St, N Y 38

ETHYL NITRITE (Nitrous Ether)

C_2H_5ONO. M.W. 75.09. A colorless liq. B.P. 17°C. Sl. sol. water; miscible alcohol, ether. Uses—medicinally as a 15% alcoholic solution, as a diuretic and diaphoretic.

*Bios Labs, 17 W 60 St, N Y 23
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13

ETHYL OLEATE

$C_{17}H_{33}COOC_2H_5$. Uses—solvent, plasticizer, lubricant.

W W Angus, 220 Broadway, N Y
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa

ETHYL OXALATE (Diethyl Oxalate, Oxalic Ether)

$(C_2H_5)_2(COO)_2$. Water-white liq., aromatic odor. Sp. gr. 1.083 (15°C). B.P. 186.1°C. Sol. alcohol, ether. Decomp. by water. Uses—mfr. perfume prep. dyes, organic chemicals, lacquers. Grades—tech.

*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y
*U S Industrial Chem, 60 E 42 St, N Y

ETHYL PHENYL ACETATE

$C_6H_5CH_2CO_2C_2H_5$. M.W. 164.20. Colorless liq. Sp. gr. 1.033 at 20°C. B.P. 227°C. Insol water. Sol. alcohol, ether.

*American-British Chem Supplies, 180 Madison Ave, N Y
Benzol Products Co, 237 South St, Newark 25, N J
*Edward S Burke, 65 Pine St, N Y
Dodge & Olcott, 180 Varick St, N Y 14

ETHYL PHENYL ACETATE, continued

P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Kay-Fries Chem, 180 Madison Ave, N Y 16
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Polak & Schwartz, 667 Washington St, N Y 14
Tombarel Products Corp, 12 E 22 St, N Y 10
*Trubek Labs, State Hway Rt 17, E Rutherford, N J
*Verona Chem Co, 26 Verona Ave, Newark, N J

ETHYL PHENYL ETHANOLAMINE

$C_6H_5N(C_2H_5)\ CH_2CH_2OH$. M.W. 165.13. Colorless liq. B.P. 208°C at 740 mm. Sp. gr. 104 at 20°C. Wt. per gal. 8.7 lbs. Sl. sol. in water. Uses—intermediate in mfr. acetate azo dyestuffs and other compounds.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich
*Tennessee Eastman Co, 10 E 40 St, N Y 16

ETHYL PHOSPHATE (Triethyl Phosphate)

$(C_2H_5)_3PO_4$. M.W. 182.14. Liq. B.P. 216°C. Sol. alcohol.

*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

ETHYL m-PHOSPHATE

$(C_2H_5OPO_2)_x$. M.W. 108. Colorless, odorless thick liq. Sol. water with decomposition. Sol. chloroform. Uses—phosphorylating agent.

*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

ETHYL PROPIONATE (Propionic Ether, Propionic Esthers)

$C_2H_5COOC_2H_5$. Colorless liq. Sp. gr. 0.891. B.P. 99.1°C. Sol. alcohol, ether, water. Uses—solvent nitrocellulose; ingredient of soft drinks and fruit syrups. Grades—commercial.

Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Ford Motor Co, 300 Schaefer Rd, Dearborn, Mich
Geo Luedeke & Co, 427 Washington St, N Y 13
*Northwestern Chem Co, 120 N Aurora St, W Chicago, Ill
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Verona Chem Co, 26 Verona Ave, Newark, N J

ETHYL PROPIONYL see Diethyl Ketone

ETHYL PROTOCATECHUIC see Ethyl Vanillin

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

ETHYL RICINOLEATE see also Fatty Acid Esters

NO. $C_{17}H_{32}CO_2 \cdot C_2H_5$. Appearance, bright, clear yellow, free from moisture and suspended matter. Dens. 7.74 (1 gal. 15°C). Sp. gr. (929 at 15°C). B.P. 225°C. Uses—paints, lacquers, nitrocellulose coatings.

*Baker Castor Oil Co, 120 Broadway, N Y 5
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa

ETHYL SALICYLATE

$C_9H_{10}O$. M.W. 166.13. Colorless volatile liq. of pleasant odor and taste. B.P. 231°C. Insol. water, miscible alcohol, ether. Used medicinally as an antiseptic, also as a solvent for nitrocellulose.

*Dow Chem Co, Midland, Mich
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
Polak & Schwartz, 667 Washington St, N Y 14
*Verona Chem Co, 26 Verona Ave, Newark, N J

ETHYL SEBACATE

Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Matheson Co, Paragon Div, E Rutherford, N J
Polak & Schwartz, 667 Washington St, N Y 14
*Verona Chem Co, 26 Verona Ave, Newark, N J

ETHYL SILICATE (Tetraethyl Ortho-Silicate)

$(C_2H_5)_4SiO_4$ is a colorless, faintly odored liq. B.P. 165°C. Water slowly hydrolyzes it to alcohol and silicic acid which in turn dehydrates to an adhesive form of silica. Av. Wt., 7.77 lbs. per gal. at 20°C. Uses—as a preservative for hardening stone and arresting decay and disintegration; used in paints where heat is encountered; mixed with siliceous powders to form weather and acid-proof mortar and cements, refractory bricks and other molded objects.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

*Company classifies itself as manufacturer or producer of this product

ETHYL SODIUM OXALACETATE (Sodium Ethyl Oxalacetate)

$C_2H_5OOC{\cdot}C(OH){:}CH{\cdot}C{\cdot}OOC_2H_5$. M.W. 210.0. Light yellow powd. Used as an intermediate in dye mfr.

*U S Industrial Chem, 60 E 42 St, N Y

ETHYL STEARATE

$C_{17}H_{35}CO_2C_2H_5$. M.W. 312.51. Colorless cryst. M.P. 34.7. B.P. 199-201 @ 10 mm. Insol. water. Sol. ether.

ETHYL SUCCINATE

$COOC_2H_5CH_2CH_2COOC_2H_5$.

*Fine Organics, 211 E 19 St, N Y 3
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Smith-NY Co, 61 Hampton Pl, Freeport, N Y

ETHYL SULFATE see Diethyl Sulfate

n-ETHYL-p-TOLUENESULFONAMIDE

$C_6H_4CH_3SO_2NHC_2H_5$. M.W. 199.3. White solid. Uses—Plasticizer to give hard, tough compositions with sharp softening points.

*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo

ETHYL p-TOLUENE SULFONATE (p-Toluene Sulfo Ethyl Ether)

$CH_3C_6H_4(SO_3C_2H_5)$. M.W. 200. White coarsely ground crystalline solid at 20°C. M.P. 33°C. Uses—dyestuff intermediate; ethylating agent.

Smith-NY Co, 61 Hampton Pl, Freeport, N Y
*Verona Chem Co, 26 Verona Ave, Newark, N J

ETHYL TRIFLUOROACETATE

*Bios Labs, 17 W 60 St, N Y 23
*Halogen Chem, 1505 Charlton Dr, Columbia, S C

ETHYL VALERATE (Ethyl Valerianate, Valeric Ether)

$C_4H_9COOC_2H_5$. M.W. 130.11. Colorless liq. B.P. 145.5°C. Sp. gr. 0.877. Ester value 431.5. Miscible alcohol, ether; insol. water. Uses—mfr. flavors, perfumery; in medicine.

Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Geo Luaders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
Polak & Schwartz, 667 Washington St, N Y 14

ETHYL VALERIANATE see Ethyl Valerate

ETHYL VANILLIN (Ethyl Protocatechuic)

M.P. 76.5°C. Sol. alcohol. Fine, white or sl. yellow needles. Characteristic odor. 3 to 1 flavoring strength compared with vanillin.

Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Consumers Products Co,* 99 Hudson St, N Y 13
Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Geo Luaders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
McKesson & Robbins, 155 E 44 St, N Y 17
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
Polak & Schwartz, 667 Washington St, N Y 14
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Sterwin Chem, 1450 Broadway, N Y 18
*Verona Chem Co, 26 Verona Ave, Newark, N J

ETHYLENE (Ethene, Etherin, Elayl, Bicarburetted Hydrogen, Heavy Carburetted Hydrogen, Olefiant Gas)

$CH_2{:}CH_2$. M.W. 28.03. Colorless, inflam. gas, sweet odor. Sp. gr. 0.978. B.P. —103.8°C. Liquefies at 0°C. and 42 atmospheres. Solidifies at —169.4°C. Sol. water, alcohol, ether. Uses—mfr. intermediates, organic chemicals mustard gas, synth. ethyl alcohol; in oxyethylene welding and cutting of metals; in medicine. Grades—tech.

*Dow Chem Co, Midland, Mich
Matheson Co, Paragon Div, E Rutherford, N J
*Ohio Chem & Surgical Equipment Co, 1400 Washington Ave, Madison 10, Wis
*U S Industrial Chem, 60 E 42 St, N Y

ETHYLENE ALDEHYDE see Acrolein

ETHYLENE BROMIDE (Dibromoethane, Ethylene Dibromide)

CH_2BrCH_2Br. Colorless liq., chloroform-like odor. Sp. gr. 2.189 (15°C). M.P. 9-10°C. B.P. 129-131°C. Miscible alcohol, ether. Very sl. sol. water. Poisonous. Uses—mfr. organic chemicals, ethylene glycol, piperazin, intermediates, synth. drugs; solvent in making celluloid; in medicine. Grades—tech.

*Dow Chem Co, Midland, Mich
*Eston Chem, 3100 E 26 St, Los Angeles, Cal
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

ETHYLENE BROMIDE (Dibromoethane Ethelene Dibromide), continued

ETHYLENE CHLORIDE see Ethylene Dichloride

ETHYLENE CHLOROBROMIDE (Symmetrical Chlorbromethane)

$CH_2Cl.CH_2Br$. M.W. 143.4. Clear, colorless volatile liq. with a chloroform odor. Sp. gr. 1.790 at 0°C. Wt. per gal. 14.9 lbs. at 0°C. B.P. 106.7°C. F.P. —16.6°C. Miscible with most organic solvents; insol. water. Uses—as a solvent; in organic synthesis.

*Dow Chem Co, Midland, Mich
Thomas A Edison, P O Box 15, Stuyvesant Falls, N Y

ETHYLENE CYANOHYDRIN (B-Hydroxypropionitrile, Hydracrylonitrile)

$HOCH_2CH_2CN$. M.W. 71.05. Straw colored liq. B.P. 277°C. Sol. water, acetone, methyl ethyl ketone, ethanol, chloroform, diethyl ether. Insol. benzene, carbon tetrachloride, naphtha. Uses—solvent, organic intermediate.

American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Rohm & Haas Co, Washington Sq, Phila 5, Pa

ETHYLENE DIAMINE

$NH_2CH_2.CH_2.NH_2$. M.W. 60.08. Colorless liq., ammonia odor. Sp. gr. 0.892. M.P. 8.5°C. B.P. 117°C. Sol. water. Uses—solvent for albumen and the like; in medicine. Grades—tech.

American Firstoline Corp, 420 Lexington Ave, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich

ETHYLENE DIBROMIDE see Ethylene Bromide

ETHYLENE DICHLORIDE (Ethylene Chloride, Dichloroethane)

$CH_2Cl.CH_2Cl$. Colorless liq., pleasant chloroform-like odor. M.W. 96.9. Sp. gr. 1.278 (15°/4°C). lbs. gal., 10.7 B.P. 55.0°C. F.P.—80.5°C. V.D. (15°C). lbs./cu. ft., 0.241. Latent Heat of Vap., B.T.U./lb., 127.8. S.H., cal./kg./°C or B.T.U./lb./°F, 0.270 (20°C). Sol. only very sl., sol. in water, alcohol, ether. Uses—mfr. intermediate, ethylenediamine, glycol monosalicylate, glycol monocinnamate, tobacco extracts, organic chemicals, cleaning fluids; extracting nicotine from tobacco; for food fumigating; with alcohol, rubber, soap and degreasing; in medicine. Grades—tech.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
American Mineral Spirits Co, 155 E 44 St, N Y 17
American Quinine Co, 15 William St, N Y
Barclay Chem Co, 75 Varick St, N Y
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Chem Mfg Co, 21 West St, N Y 6
John A Chew, 60 E 42 St, N Y 17
DeMeri & Dougherty, 3001 W 47 St, Chicago 32, Ill
*Dow Chem Co, Midland, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
Wm S Gray & Co, 342 Madison Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Jefferson Chem Co, 711 5 Ave, N Y 22
L J & M La Place, Leiarts Lane, E Paterson, N J
Legion Chem, 70 Wall St, N Y 5
George Mann & Co, 251 Fox Point Blvd, Providence, R I
*Mathieson Hydrocarbon Chem Corp, Mathieson Bldg, Baltimore 3, Md
McKesson & Robbins, 155 E 44 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Taylor Chem Co, Box 337, Aberdeen, N C
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

ETHYLENE FORMATE see Glycol Diformate

MONSANTO

ETHAVAN

(Ethyl Vanillin)

Fine, white crystalline needles; odor, characteristic; completely soluble in ethyl alcohol 95% (1:2); ash 0.05% max.; m.p. 76.5° C., 170° F. min. 1-oz. free sample.

VANILLIN MONSANTO

(Vanillin, U. S. P.)

Fine, white crystalline needles; odor, characteristic; m.p. 81.5° C., 179° F. min. (U.S.P. 80.0° C. min.); b.p. 545° F.; loss on drying, 0.06% max.; solubility in alcohol (1:2), complete. 1-oz. free sample.

Ethavan: Reg. U. S. Pat. Off.

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division,
St. Louis 4, Missouri

MONSANTO
CHEMICALS—PLASTICS

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*Company classifies itself as manufacturer or producer of this product

ETHYLENE GLYCOL (Glycol, Alcohol Ethylene, Alcohol Glycol, Alcohol Glycohol)

$CH_2OH.CH_2OH$. M.W. 62.05. Clear syrupy, hygroscopic liq. Sp. gr. 1.1155 at 20/20°C. B.P. 197.37°C. F.P. —17.4°C. Miscible water, alcohol, ether. Uses—mfr. glycol diacetate, low freezing dynamites, toilet preps., face creams; general solvent; solvent for dyes, waxes, resins, intermediate and organic chemicals, drugs, moistening tobacco; assist in dyeing and finishing textiles; preserving leather; treating skins and furs; non-freezing compound for automobile radiators. Grades—tech.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
F M Browning Co, 150 Broadway, N Y 38
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Castle Color & Chem Co, 24 W 45 St, N Y 17
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
Cole Labs, 42-25 9 St, L I C 1, N Y
De Bear Inc, 636 11 Ave, N Y 19
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Polychem Dept, Wilmington, Del
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
International Selling Corp, 70 Pine St, N Y 5
*Jefferson Chem Co, 711 5 Ave, N Y 22
Kingston Chem Co, 15 Williams St, N Y 5
L J & M La Place, Leliarts Lane, E Paterson, N J
Legion Chem, 70 Wall St, N Y 5
George Mann & Co, 251 Fox Point Blvd, Providence, R I
*Mathieson Hydrocarbon Chem Corp, Mathieson Bldg, Baltimore 3, Md
Mutchler Chem Co, 258 Broadway, N Y 7
Philipp Bros Chem, 37 Wall St, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Plastichemicals Co, 1 Beekman St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Shepard Chem Corp, 117 Liberty St, N Y 6
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill
Tuteur Bio-Chem, 60 Wall St, N Y 5
George Uhe Co, 76 9 Ave, N Y 14
Van Waters & Rogers, 4000 1 Ave S, Seattle, Wash
O J Weeks Co, 16 Hudson St, N Y 13



ETHYLENE DICHLORIDE • PROPYLENE DICHLORIDE

Samples and data available upon request

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- DIETHYLENE GLYCOL
- PROPYLENE GLYCOL
- CELLUSOLVE
- CELLUSOLVE ACETATE

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ETHYLENE GLYCOL

ETHYLENE DICHLORIDE

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ETHYLENE GLYCOL DIBENZENESULFONATE

$C_6H_5SO_2OC_2H_4OSO_2C_6H_5$. M.W. 330.26. White to cream colored granules. Uses—plasticizer; softener.

*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

ETHYLENE GLYCOL DIFORMATE see Glycol Diformate

ETHYLENE GLYCOL DISTEARATE

W W Angus, 220 Broadway, N Y
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
W C Hardesty Co, 41 E 42 St, N Y 17
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

ETHYLENE GLYCOL ESTERS

W W Angus, 220 Broadway, N Y
Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Dow Chem Co, Midland, Mich
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
Fallek Products Co, 163 Broadway, N Y 6
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
W C Hardesty Co, 41 E 42 St, N Y 17
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (b-Ethoxyethyl Acetate, Cellosolve Acetate)

$CH_3COOCH_2CH_2OC_2H_5$. M.W. 132.09. Colorless liq. B.P. 156.2. Sol. water, alcohol.

Barclay Chem Co, 75 Varick St, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich
Republic Chem Corp, 94 Beekman St, N Y 38

ETHYLENE GLYCOL MONOMETHYL ETHER ACETATE

$CH_3OCH_2CH_2CO_2CH_3$. M.W. 118.08. B.P. 143.0°C. Sp. gr. 1.005 at 20/20°C. Colorless, stable liq. Miscible with most organic solvents; completely sol. water. B.R. 130-155°C. (760 mm). Sol. in hydrocarbons, ethyl alcohol and acetate. Wt. per gal., 8.37 lbs. per gal. at 20°C. Uses—solvent for cellulose nitrate, gums, resins, oils; mfr. lacquers, dopes.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich
Republic Chem Corp, 94 Beekman St, N Y 38

ETHYLENE IODIDE

CH_2ICH_2I. Yellow monoclinic prisms from ether. M.W. 281.89. Sol. in alcohol, sl. sol. in water. Uses—intermediate in organic syntheses.

*Edcan Labs, 10-20 Pine St, S Norwalk, Conn

ETHYLENE OXIDE

CH_2OCH_2. Colorless gas at ordinary temp., at low temp. a mobile, colorless liq. B.P. 10.7°C. Sp. gr. of liq. Ethylene Oxide is .8707 at 20./20°C. Miscible water in all proportions; sol. in usual organic solvents. Uses—fumigation, synthesis.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich
International Selling Cop, 70 Pine St, N Y 5
*Jefferson Chem Co, 711 5 Ave, N Y 22
Matheson Co, Paragon Div, E Rutherford, N J
*Mathieson Hydrocarbon Chem Corp, Mathieson Bldg, Baltimore 3, Md

ETHYLENE THIOUREA (2-Imidazolidinethione)

$(CH_2\text{-}NH)C{:}S$. M.W. 102. M.P. 203-204°C. Uses—chemical intermediate.

*Sharples Chem, 123 S Broad St, Phila 9, Pa

ETHYLIDENE DICHLORIDE (Ethylidene Chloride, chlorinated Hydrochloric Ether)

$C_2H_4Cl_2$. M.W. 98.94. Colorless liq. B.P. 59°C. sl. sol. water; miscible alcohol, ether.

*Dow Chem Co, Midland, Mich

1-ETHYNYLCYCLOHEXANOL

$C_6H_{10}(OH)C{\equiv}CH$. M.W. 124.17. Colorless liq. characteristic odor. Uses—organic syntheses, plastics.

*Farchan Research Labs, 609 E 127 St, Cleveland 8, Ohio

b-ETHYNYL ETHANOL see 3-Butyn-1-ol

EUCALYPTOL (Cineole)

$C_{10}H_{18}O$. M.W. 154.2. Colorless liq. Uses—medicinal, antiseptic.

Harry Dixon & Sons, 250 Park Ave, N Y 17
*Dodge & Olcott, 180 Varick St, N Y 14
*P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Geo Lueders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Merchants Chem Co, 60 E 42 St, N Y 17
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*S B Penick & Co, 50 Church St, N Y 7
Polak & Schwartz, 667 Washington St, N Y 14
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

EUCATROPINE

$C_{17}H_{23}NO_3$. HCl. M.W. 327.76. Technical name: phenylglycoly methylvinyl-diacetonalkamine hydrochloride. White, fine granular powd. having no odor, M.P. not below 183°C. Sol. in water, alcohol and chloroform; insol. in ether. Uses—as a mydriatic in ocular medicine, similar in action to atropine, but said to be free from anaesthetic and irritative action.

*Bios Labs, 17 W 60 St, N Y 23

EUNATROL see Sodium Oleate

EXPLOSIVES, AGRICULTURAL, INDUSTRIAL

Specially formulated explosives prepared for the typical blasting problems, such as stump blasting, deep cultivation or subsoiling, tree planting, tree rejuvenation, land drainage, ditching, stream correction, control of erosion, filling of gullies, vertical drainage of wet spots, etc. Also specialty formulated compounds for use in road building, construction, deepening of harbors, excavating, etc. See also dynamite. Mfrs. in all cases provide specific recommendations which should be followed closely.

*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
Leo Berberich, 198 Broadway, N Y 38
*National Powder Co, Eldred, Pa

EXTENDERS, PIGMENT

American Firstoline Corp, 420 Lexington Ave, N Y
*Attapulgus Clay Co, 210 W Washington Sq, Phila, Pa
*Commercial Minerals Co, 310 Irwin St, San Francisco 7, Cal
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
Dicalite Div, Great Lakes Carbon Corp, 612 S Flower St, Los Angeles 17, Cal
Downer, Hunnewell & Co, 131 State St, Boston 9, Mass
*Dyal Co, 99 Hudson St, N Y 13
*Edgar Bros Co, Metuchen, N J
*Georgia Kaolin Co, 433 N Broad St, Elizabeth, N J
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*Carl F Miller & Co, 1217 6 Ave S, Seattle, Wash
*Mineralite Sales Corp, 90 Pine St, N Y 5
B Rauschkolb & Co, 225 W 34 St, N Y 1
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Thompson, Weinman & Co, 52 Vanderbilt Ave, N Y 17
*U S Mica Co, Jordan Ave & Van Dyke St, E Rutherford, N J
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
*C K Williams & Co, 640 N 13 St, Easton, Pa
Witco Chem Co, 295 Madison Ave, N Y 17

EXTENDERS, PRINTING INK

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*John P Carlson, 420 Carroll St, Bklyn, N Y
John A Chew, 60 E 42 St, N Y 17
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*Dyal Co, 99 Hudson St, N Y 13
*Edgar Bros Co, Metuchen, N J
*English Mica Co, Sterling Bldg, Stamford, Conn
*Gaetjens, Berger & Wirth, 35 York St, Bklyn 1, N Y
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*Innis, Speiden & Co, 117 Liberty St, N Y 6
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*V & E Kohnstamm, 329 Canal St, N Y 13
*Pan American Refining Corp, 122 E 42 St, N Y 17
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Witco Chem Co, 295 Madison Ave, N Y 17

*Company classifies itself as manufacturer or producer of this product

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EXTREME PRESSURE BASES

Complex sulfur and chlorine compounds added to lubricants to make them more suitable for extreme pressure conditions.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*American Cholesterol Products, Middlesex Co, N J
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
*Carlisle Chem Works, West St, Reading 15, Ohio
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Industrial Lining Engrs, 358 Smallman Sts, Pittsburgh, Pa
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis, Mo
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

EXTRUDING COMPOUNDS

Synth. resin plastics which are not compressed or hardened in a closed mold, but which are treated in a mold open at the inlet and outlet sides. With increasing pressure the mass passes from the solid to the plastic state, and is then gradually hardened, all the time being in periodical or continual motion. On the discharge side of the extruding machine special devices are used to form the material as it emerges into various shapes. For suppliers see Molding Powders Plastic.

American Firstoline Corp, 420 Lexington Ave, N Y
*Dow Corning Corp, Midland, Mich
*Firestone Tire & Rubber Co, P O Box 690, Pottstown, Pa
*Macco Products Co, 525 W 76 St, Chicago, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Shawinigan Products Corp, 350 5 Ave, N Y 1

FALSE SAFFRON see Saffron, American

FAT LIQUORS

Process of "fat-liquoring" comprises three distinct operations: coloring, filling, and oiling, but often all are done to one step. Fat-liquoring proper consists of filling leather with soaps, oils, starch, china clay, tallow, egg yolk, and a number of other materials to strengthen the fibres and render the leather soft and pliable, at the same time giving it the desired color. Process is usually carried out at a high temp. in the drum tumbler and changes the leather to black or colors. Prepared fat-liquors are scientifically compounded products containing a wide variety of substances, depending upon the producer and the type of leather to be processed.

*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*E F Drew & Co, 15 E 26 St, N Y 10
*Emkay Chem Co, 319 2 St, Elizabeth 1, N J
*Fiber Chem Corp, Box 218, Matawan, N J
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Kall Mfg Co, 427 Moyer St, Phila 25, Pa
Kehew-Bradley Co, 43 Purchase St, Boston 10, Mass
Meves & Gregg, 110 N Front St, Phila 6, Pa
M Michel & Co, 90 Broad St, N Y 4
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Reilly-Whiteman-Walton Co, P O Box 188, Conshohocken, Pa
*Ritter Chem Co, 403 W Main St, Amsterdam, N Y
L N White & Co, 24 State St, N Y 4

FATS, HYDROGENATED

Glyceryl esters of unsaturated fatty acids are hydrogenated to solidify them, i.e. they are treated with hydrogen to produce saturation. Uses—to prepare cooking fats, as butter or lard substitutes.

*Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2, Ohio
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
*Darling & Co, 4204 S Ashland Ave, Chicago 9, Ill
*E F Drew & Co, 15 E 26 St, N Y 10
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
W C Hardesty Co, 41 E 42 St, N Y 17
*Southern Cotton Oil Co, 25 Broad St, N Y 4
*Vegetable Oil Products Co, 410 S Avalon Blvd, Wilmington, Cal

FATS, HYDROGENATED, continued

O J Weeks Co, 16 Hudson St, N Y 13
Welch, Holme & Clark Co, 439 West St, N Y 14
Witco Chem Co, 295 Madison Ave, N Y 17

FATTY ACID ESTERS

Various esters of the fatty acids, such as stearic, oleic, linoleic, ricinoleic, etc. The fatty acids are produced by the removal of the glyceride content from neutral oils and fats, either by chemical or mechanical means. The resultant fatty acids are then distilled under vacuum of varying degrees and varying temp.

*Alrose Chem Co, 180 Mill St, Cranston 5, R I
W W Angus, 220 Broadway, N Y
*Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2, Ohio
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Carlisle Chem Works, West St, Reading 15, Ohio
*E F Drew & Co, 15 E 26 St, N Y 10
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
Frank G Fanning, 50 E 42 St, N Y 17
*Gen Mills, Chem Div, 400 2 Ave S, Minneapolis, Minn
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*Goldschmidt Chem Corp, 153 Waverly Pl, N Y 14
*Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
W C Hardesty Co, 41 E 42 St, N Y 17
Harwick Standard Chem Co, 60 S Selberling St, Akron 5, Ohio
Hawkhurst & Co, Mills Tower, 220 Bush St, San Francisco 4, Cal
C L Hueston Co, 1998 Glendale Ave, Detroit 6, Mich
Hummel Chem Co, 90 West St, N Y 6
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill
*Vegetable Oil Products Co, 410 S Avalon Blvd, Wilmington, Cal
*Witco Chem Co, 295 Madison Ave, N Y 17

FATTY ACIDS, CASTOR OIL

*Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2, Ohio
*Atlantic Chem Co, 2072 Smith St, Centredale, R I
*E F Drew & Co, 15 E 26 St, N Y 10
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Southern Cotton Oil Co, 25 Broad St, N Y 4
*Woburn Chem Corp, 1200 Harrison Ave, Kearny, N J
Welch, Holme & Clark Co, 439 West St, N Y 14
C L Zimmerman Co, N-204 Cincinnati Union Terminal, Cincinnati 3, Ohio

FEL BOVIS see Ox Gall

FELDSPAR (Felspar, Orthoclase)

General name for group of rock-forming minerals. K_2O, $Al_2O_3 6SiO_2$. Sp. gr. 2.55-2.75. Uses—opalescent glass, potteries, porcelains, chinaware, porcelain fluxes, electrical goods and insulators, fertilizer,

FATTY ACID ESTERS
of
Diethylene Glycol
Propylene Glycol
Ethylene Glycol
Glycerol

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POLYGLYCOL
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GLYCO
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*Company classifies itself as manufacturer or producer of this product

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FELDSPAR (Felspar, Orthoclase), continued

enamels and glazes, tarred roofing papers, artificial teeth, poultry grit, scouring soap; source of potash; cement ingredient and surfacing concrete; bond for emery corundum and carborundum wheels; abrasive and cleansing agent.

Charles B Chrystal Co, 53 Park Pl, N Y 7
Hammill & Gillespie, 22 Broadway, N Y 7
Hummel Chem Co, 90 West St, N Y 6
*Manufacturers Min Co, Box 3144, Seattle, Wash
Merchants Chem Co, 60 E 42 St, N Y 17
*Metallurg Inc, 100 Park Ave, N Y 17
Overseas Trading Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

FERRIC ACETATE (Basic Iron Acetate)

$FeOH(CH_3COOH)_3$. Brownish-red crystalline scales or powd. Sol. acids; insol. water. Uses—mfr. wood preservatives, hats; in weighting and dyeing silk; dyeing leather black; as mordant in dyeing and printing textiles; in printer's ink rollers; in medicine. Grades—tech. C.P.

Amend Drug & Chem Corp, 117-119 E 24 St, N Y
*City Chem Corp, 132 W 22 St, N Y 11

FERRIC AMMONIUM ALUM see Iron and Ammonium Sulfate

FERRIC AMMONIUM CITRATE see Iron and Ammonium Citrate

FERRIC AMMONIUM OXALATE see Iron and Ammonium Oxalate

FERRIC AMMONIUM SULFITE see Iron and Ammonium Sulfate

FERRIC CHLORIDE (Iron Chloride, Iron Perchloride, Ferric Trichloride, Iron Trichloride, Iron Sesquichloride, Flores Martis)

a. $FeCl_3$. b. $FeCl_3 6H_2O$. Orange-yellow, deliq. cryst. a. Sp. gr. 2.804 (10.8°C.). M.P. 301°C. B.P. 307° C. b. M.P. 37°C. B.P. 280-285°C. Sol. alcohol, glycerol, ether; only sl. sol. water. Uses—mfr. iron salts, paint pigments, iron pharmaceuticals; chlorinating cooper and silver ores; photo engraving; photogravure and heliogravure; mordant in dyeing and printing textiles; catalyst in organic synthesis; condensing reagent in making intermediates, etc.; laboratory reagent; oxidizing agent in making dyes; general disinfectant; deodorizing sewage; iron plating; in medicine. Grades—cryst.; anhydrous; tech.; C.P.; 30° Be solution; 37 Be solution; 40 Be solution; 46° Be solution; U.S.P.; U.S.P. solution (29% $FeCl_3$).

American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
Chem Mfg Co, 21 West St, N Y
John A Chew, 60 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Hampden Color & Chem Co, 5 Albany St, Springfield, Mass
*Philip A Hunt Co, Palisades Park, N J
*Innis, Speiden & Co, 117 Liberty St, N Y 6
*Jordan Co, 51 St & Merrimac Ave, Chicago 38, Ill
*Lewis Co, 232 Canal St, N Y 13
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7 Mo

FERRIC CHLORIDE (Iron Chloride, Iron Perchloride, Ferric Trichloride, Iron Trichloride, Iron Sesquichloride, Flores Martis), continued

George Mann & Co, 251 Fox Point Blvd, Providence, R I
Mutchler Chem Co, 258 Broadway, N Y 7
Phillips & Jacobs, 620-22 Race St, Phila, Pa
*Randall Chem Corp, 2050 88 St, N Bergen, N J
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17

FERRIC CITRATE

$Fe(C_6H_5O_7)$. Brownish-red powd. About 17% iron. Uses—in medicine as source of iron in anemia therapy.

*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y

FERRIC FERROCYANIDE see Prussian Blue

FERRIC FLUORIDE (Iron Fluoride)

FeF_3. Green, solid crystalline. Sp. gr. 3.18. Sol. water, acids. Uses—mfr. alkali fluorides, ceramics. Grades—tech.

Amend Drug & Chem Corp, 117-119 E 24 St, N Y
City Chem Corp, 132 W 22 St, N Y 11
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6

FERRIC HYDRATE see Ferric Hydroxide

FERRIC HYDROXIDE (Ferric Hydrate, Iron Hydroxide, Hydrated Iron Oxide, Iron Sesquioxide Hydrated, Iron Hydrate, Ferric Sesquioxide Hydrated, Hydrous Iron Peroxide, Hydrous Ferric Peroxide)

$Fe(OH)_3$. Brownish, amorp. powd. Sp. gr. 3.4-3.9. Loses water at 500°C. Sol. acids. Uses—mfr. paint pigments, pharmaceutical preps.; absorbent chemical processes; purifying water; for arsenic poisoning; compounding rubber. Grades—tech.; C.P. Cont. kegs (100 lbs.); bottles ¼, 1 lb. Tariff, 25%.

*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y

FERRIC HYPOPHOSPHITE (Iron Hypophosphite)

$Fe(H_2PO_2)_3$. M.W. 250.95. White or grayish-white powd. Sol, water. Uses—in medicine.

*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

FERRIC LACTATE

$Fe(C_3H_5O_3)_3$. A brownish-red powd., used medicinally as a tonic.

*Sheffield Farms Co, Chemurgic Div, Box 630, Norwich, N Y

FERRIC NITRATE (Iron Nitrate)

$Fe(NO_3)_3 9H_2O$. Grayish-white cryst. Sp. gr. 1.6835 (20°C). M.P. 47.2°C. Decomp. on further heating. Sol. water. Uses—mordant in dyeing and printing textiles; for coloring brass; in medicine. Grades—tech. cryst.; C.P.; U.S.P.

*Baker & Adamson Products, 40 Rector St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

FERRIC OLEATE (Iron Oleate)

$Fe(C_{18}H_{33}O_2)_3$. Brownish-red, amorp. lumps. Sol. alcohol, ether, acids. Uses—paint and varnish drier; in medicine. Grades—tech.

FERRIC OXALATE (Iron Oxalate)

$Fe_2(COO)_3$. Pale yellow, amorp., scale or powd., odorless. Decomp. on heating to 100°C. Sol. acids; insol. water. Uses—catalyst in making oxygen; silver-tone photographic printing papers. Grades—tech.; C.P.

*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y

FERRIC OXIDE see Iron Oxide, Brown

FERRIC OXIDE see Iron Oxide, Red

FERRIC PHOSPHATE (Iron Phosphate)

$FePO_4 2H_2O$. M.W. 186.89. Yellowish-white powd. Sol. mineral acids. Uses—medicine.

J T Baker Chem Co, Phillipsburg, N J
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Jos Turner & Co, Ridgefield, N J
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

FERRIC POTASSIUM CYANIDE see Potassium Ferricyanide

FERRIC RESINATE see Iron Resinate

FERRIC SESQUIOXIDE, HYDRATED see Ferric Hydroxide

FERRIC-SODIUM OXALATE see Iron and Sodium Oxalate

FERRIC STEARATE

$Fe(C_{18}H_{35}O_2)_3$. M.W. 906.0. A light-brown powd. Insol. water. Uses—in varnishes and driers.

*Leffingwell Chem Co, P O Box 191, Whittier, Cal
*Mathe Chem Co, 169 Milbank St, Lodi, N J
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Witco Chem Co, 295 Madison Ave, N Y 17

FERRIC SULFATE (Iron Sulfate, Iron Tersulfate, Ferric Tersulfate, Persulfate of Iron, Iron Sesquisulfate)

a. $Fe_2(SO_4)_3$. b. $Fe_2(SO_4)_3 9H_2O$. Grayish-white, amorp. powd. Sp. gr. a. 3.097. b. 2-2.1. Decomp. on heating. Sol. slowly water. Uses—mfr. iron alum, paint pigments, Berlin blue; as laboratory reagent; etching on aluminum; mordant in dyeing and printing textiles; purifying drinking water; general disinfectant; in medicine. Grades—tech.; C.P.

*J T Baker Chem Co, Phillipsburg, N J
Faesy & Besthoff, 325 Spring St, N Y 13
Frank G Fanning, 50 E 42 St, N Y 17
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Philip A Hunt Co, Palisades Park, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
*Tennessee Corp, 619 Grant Bldg, Atlanta, Ga
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

FERRIC SULFIDE

Fe_2S_3. M.W. 207.9. Yellowish-green cryst. Decomp. on heating or with solvents.

American-British Chem Supplies, 180 Madison Ave, N Y
*Mallinckrodt Chem, 2 & Malinckrodt Sts, St Louis 7, Mo

FERRIC TERSULFATE see Ferric Sulfate

FERRIC THIOCYANATE (Ionic Sulfocyanide, Ferric Rhodanate, Ferric Thiocyanide)

$Fe(CNS)_3 3H_2O$. M.W. 284.1. Dark red cryst. or brown granular powder. Sol. water, alcohol, ether. Decomp. on heating.

*City Chem Corp, 132 W 22 St, N Y 11

FERRIC TRICHLORIDE see Ferric Chloride

FERRIC TRIOXIDE see Iron Oxide, Red

FERRITE YELLOW see Iron Oxide, Yellow

FERROCHROMITE see Chromite

FERRO MANGANESE

An alloy of 50% iron and 50% manganese. Sp. gr. 7.0. M.P. 1325°C. Uses—mfr. of tough steels.

*Anaconda Copper Mining Co, 25 Broadway, N Y 4
S H Bell Co, 1514 Oliver Bldg, Pittsburgh 22, Pa
Chematar Inc, Exchange Pl, N Y 5
*Foote Mineral Co, Chelten Bldg, Phila, Pa
*New Jersey Zinc Sales Co, 160 Front St, N Y 38
*Sloss-Sheffield Steel & Iron Co, 3131 1 Ave, N Birmingham 2, Ala
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn
Wah-Chang Corp, 233 Broadway, N Y 7

FERRO MOLYBDENUM (Alloy)

Composed principally of iron and molybdenum; marketed in two grades containing either a max. of 0.5 or 2% carbon. M.P. 2,965°F. Uses—increases tensile strength, hardenability, elongation, elastic limit, impact, fatigue, and high-temp. strength values of steel.

*Climax Molybdenum Co, 500 5 Ave, N Y 18
Wah-Chang Corp, 233 Broadway, N Y 7

FERROPHOSPHORUS

Special alloy of iron and phosphorus, usually in 2 grades: 1. 17-19% phosphorus; 2. 23-25% phosphorus. Uses—to increase fluidity of iron and steel castings; in sheet steel to prevent sticking of sheets in final rolling; in wire to give stiffness and better surface for drawing.

*American Agricultural Chem Co, 50 Church St, N Y 7
*Metallurg Inc, 100 Park Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

FERROSILICON

Alloys of iron and silicon used in steel industry. Uses—to deoxidize steel for high grade forgings, rolled products, and castings; used in small doses in effervescing steel to clean up the bath. Grades—various, silicon content running from 14% to 94%. Available crushed or in lumps up to 50 lbs.; and in pigs up to 100 lbs.

S H Bell Co, 1514 Oliver Bldg, Pittsburgh 22, Pa
*Paul Blum Co, 313-319 Larkin St, Buffalo 10, N Y
Chematar Inc, Exchange Pl, N Y 5
*Foote Mineral Co, Chelten Bldg, Phila, Pa
Alan D Oppenheimer, 578 Exchange St, Buffalo 10, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn
Wah-Chang Corp, 233 Broadway, N Y 7

FERROSOFERRIC OXIDE see Iron Oxide

FERRO TITANIUM

An alloy of titanium and iron made by reducing titanium dioxide with powdered aluminum and iron. Used for deoxidation of molten steel.

Barclay Chem Co, 75 Varick St, N Y
*Metal & Thermit Corp, 100 E 42 St, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38

FERRO TUNGSTEN

Content: iron, carbon, tungsten, in varying percents. Use—in mfr. of strong, hard alloys for use at high temp.

Wah-Chang Corp, 233 Broadway, N Y 7

FERRO VANADIUM

Content: 50-55% vanadium, carbon, silicon, iron. Uses—in mfr. of special steels and alloys to increase yield, tensile, and impact strengths without sacrificing ductility; imparts a fine grain size to steel.

Vitro Mfg Co, 60 Greenway Dr & Corliss Sta, Pittsburgh, Pa
Wah-Chang Corp, 233 Broadway, N Y 7

FERROUS AMMONIUM SULFATE (Mohr's Salt, Iron Ammonium Sulfate)

$(NH_4)_2Fe(SO_4)_2.6H_2O$. M.W. 392.13. Light green, solid crystalline. Sp. gr. 1.865. Sol. water. Uses—metallurgical reagent; in iron plating; in medicine. Grades—tech.; C.P.

*Baker & Adamson Products, 40 Rector St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

FERROUS CARBONATE

$FeCO_3$. M.W. 115.8. A grayish-green, rhombohedric crystalline powd. Decomp. by heat. Insol. water; sol. carbonated water, acids. Oxides on exposure to air. Used in the prep. of carbonated "ferruginous" waters.

*City Chem Corp, 132 W 22 St, N Y 11

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FERROPHOSPHORUS
23 - 26% P
Uniform High Quality—Prompt Shipment
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Phosphate Division
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MONSANTO CHEMICALS – PLASTICS

FERROUS CHLORIDE (Iron Chloride, Iron Dichloride, Ferrous Protochloride, Iron Protochloride)

a. $FeCl_2$. b. $FeCl_2.4H_2O$. Greenish-white, deliq. cryst. or powd. Sp. gr. a. 2.988. b. 1.93. Sol. alcohol, water, acidulated with HCl. Uses—mfr. ferric chloride; mordant in dyeing and printing textiles; in metallurgy; in medicine. Grades—cryst. (60% $FeCl_2$); tech.; C.P.

American Firstoline Corp, 420 Lexington Ave, N Y
*Baker & Adamson Products, 40 Rector St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*Jordan Co, 51 St & Merrimac Ave, Chicago 38, Ill
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Republic Chem Corp, 94 Beekman St, N Y 38

FERROUS GLUCONATE (Iron Gluconate)

$Fe[CH_2OH(CHOH)_4CO_2]_2.2H_2O$. M.W. 482.05. Brownish-yellow to light brown, odorless powd. Sol. water. Insol. alcohol. Uses—medicinal.

*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
*Winthrop-Stearns, 1450 Broadway, N Y 18

FERROUS LACTATE

$C_6H_{10}FeO_6.3H_2O$. M.W. 288.05. Pale green-white powd. scales or crusts of small needle-shaped crystals. Sol. boil. water, alkali citrates; sl. sol. cold water and alcohol. Uses— Used as tonic in treat. of anemia.

*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

FERROUS POTASSIUM CYANIDE see Potassium Ferrocyanide

FERROUS PROTOCHLORIDE see Ferrous Chloride

FERROUS PROTOSULFIDE see Ferrous Sulfide

FERROUS SULFATE (Copperas, Iron Sulfate, Iron Vitriol, Green Copperas, Sal Chalybis, Green Vitriol)

$FeSO_4.7H_2O$. Greenish, crystalline, efflorescent lumps or powd. Sp. gr. 1.8987. M.P. 64°C. Decomp. on further heating. Sol. water. Uses—mfr. iron acetate and other iron salt, indigo dyestuffs, Prussian blue, Berlin blue, red oxide of iron and other iron pigments, boiler compounds, fertilizers; mordant in dyeing and printing textile; weed exterminator; in lithography; purifying water; disinfectant and deodorant of sewage; photographic reagent; general reducing agent in chemical processes; in ceramics; precipitating gold from solutions; aluminum etching; electrolytic iron; tanning and dyeing leather; in writing inks; laboratory reagent; mordant in dyeing wood and wood preservative; in process engraving; in medicine. Grades—tech.; cryst.; granulated; sugar sulfate; C.P.; U.S.P.

American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*Anderson Trading Corp, 66 Beaver St, N Y 44
*J T Baker Chem Co, Phillipsburg, N J
Braun Corp, 2260 E 15 St, Los Angeles 21, Cal
C B Coburn Co, 63 Market St, Lowell, Mass
Dakoline Chem Co, 357 Atlantic Ave, Bklyn, N Y
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich

FERROUS SULFATE, continued

Faesy & Besthoff, 325 Spring St, N Y 13
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Lewis Co, 232 Canal St, N Y 13
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 80 E 42 St, N Y 17
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
Philipp Bros Chem, 37 Wall St, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Prior Chem Corp, 420 Lexington Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
E M Sergeant Pulp & Chem Co, 7 Dey St, N Y 7
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Stauffer Chem Co, P O Box 68, N Portland, Ore
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill
*Titanium Pigment Corp, 111 Broadway, N Y 6
Wollen Chem & Supply Co, 126 6 Ave, Paterson, N J

FERROUS SULFIDE (Iron Sulfide, Iron Sulfuret, Pyrites, Iron Protosulfide, Ferrous Protosulfide, Iron Monosulfide)

FeS. Dark brown or black crystalline sticks or powd. Sp. gr. 4.75 to 5.40. M.P. 1197°C. Sol. acids. Uses—mfr. paint pigments, potteries, porcelains, storage batteries, sulfuric acid, liq. sulfur dioxide; laboratory reagent; generating hydrogen sulfide gas. Grades—tech. lumps and granulated.

*Baker & Adamson Products, 40 Rector St, N Y
J T Baker Chem Co, Phillipsburg, N J
*Metallurg Inc, 100 Park Ave, N Y 17

FERROUS THIOCYANATE

FERTILIZER CONDITIONERS AND FILLERS

*H J Baker & Bros, 271 Madison Ave, N Y 16
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
*T & W H Corson, Plymouth Meeting, Pa
*Dicalite Div, Great Lakes Carbon Corp, 612 S Flower St, Los Angeles 17, Cal
Dickerson Co, Drexel Bldg, Phila 6, Pa
*Edgar Bros Co, Metuchen, N J
*Floridin Co, 200 Liberty St, Warren, Pa
*Great Lakes Carbon Corp, 18 E 48 St, N Y 17
*J M Huber Corp, 100 Park Ave, N Y 17
International Ore & Fertilizer Corp, 500 5 Ave, N Y 18
Joseph C Jett, Board of Trade Bldg, Norfolk 1, Va
Samuel D Keim, Liberty Trust Bldg, Phila 7, Pa
*Madison Glue Corp, 200 W 34 St, N Y 1
Alex M McIver & Son, Peoples Bldg, Charleston, S C
Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Premier Peat Moss Corp, 535 5 Ave, N Y 17
*Quaker Oats Co, 341 Merchandise Mart Plaza, Chicago 54, Ill
*U S Gypsum Co, 300 W Adams St, Chicago 6, Ill
*R T Vanderbilt Co, 230 Park Ave, N Y
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

FERTILIZERS, CHEMICAL CONCENTRATED

*American Agricultural Chem Co, 50 Church St, N Y 7
American Firstoline Corp, 420 Lexington Ave, N Y
W R E Andrews Sales, 1505 Race St, Phila, Pa
Associated Cooperatives, 312 Montgomery Ave, Sheffield, Ala
Benzol Distributors, Georges Rd & Penn RR, Dayton, N J
Chem For Agriculture, 848 Washington Bldg, Wash 5, D C
*Davies Nitrate Co, 114 Liberty St, N Y
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md

*Company classifies itself as manufacturer or producer of this product

Gypsum Products

GYPSUM FILLERS

(Hydrous & Anhydrous)

Terra Alba

Industrial Gypsum Plasters

HYDROCAL* Super Strength Gypsum Cements

UNITED STATES GYPSUM COMPANY

Industrial Division

300 W. Adams St. — **Chicago 6, Illinois**

*HYDROCAL is a trademark Reg. U.S. Pat. Off. for a super-strength gypsum cement manufactured by the United States Gypsum Co.

FERTILIZERS, CHEMICAL CONCENTRATED, continued

*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
European Chem Co, 366 Broadway, N Y 13
Faesy & Besthoff, 325 Spring St, N Y 13
*Farmers Cotton Oil Co, Drawer 980, Wilson, N C
Farmville Oil & Fertilizer Co, Farmville, N C
Fresno Agric Chem Co, P O Box 1286, Fresno, Cal
International Ore & Fertilizer Corp, 500 5 Ave, N Y 18
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
Nitrogen Products, 450 7 Ave, N Y 1
Overseas Trading Corp, 420 Lexington Ave, N Y 17
Pearson Ferguson Chem Co, 1400 Union Ave, Kansas City, Mo
Premier Peat Moss Corp, 535 5 Ave, N Y 17
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Spencer Chem Co, 610 Dwight Bldg, Kansas City 6, Mo
*Summers Fertilizer Co, 194 Exchange St, Bangor, Me
Wah-Chang Corp, 233 Broadway, N Y 7

FERTILIZERS, NITROGEN

Allied Raw Materials, 38 Park Row, N Y 7
American Firstoline Corp, 420 Lexington Ave, N Y
Associated Cooperatives, 312 Montgomery Ave, Sheffield, Ala
*H J Baker & Bros, 271 Madison Ave, N Y 16
*Barrett Div, 40 Rector St, N Y 6
Benzol Distributors, Georges Rd & Penn RR, Dayton, N J
Bradley & Baker, 155 E 44 St, N Y 17
Chem For Agriculture, 848 Washington Bldg, Wash 5, D C
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
Duff Chem Co, 342 Madison Ave, N Y 17
*E I Du Pont de Nemours & Co, Polychem Dept, Wilmington 98, Del
Farmville Oil & Fertilizer Co, Farmville, N C
Fresno Agric Chem Co, P O Box 1286, Fresno, Cal
M W Hardy & Co, 141 Broadway, N Y 6
International Ore & Fertilizer Corp, 500 5 Ave, N Y 18
Joseph C Jett, Board of Trade Bldg, Norfolk 1, Va
Samuel D Keim, Liberty Trust Bldg, Phila 7, Pa
A P Larsen Co, 29 Broadway, N Y 6
*Lion Oil Co, El Dorado, Ark
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
Alex M McIver & Son, Peoples Bldg, Charleston, S C
Nitrogen Products, 459 7 Ave, N Y 1
Overseas Trading Corp, 420 Lexington Ave, N Y 17
Chas Page & Co, 50 E 42 St, N Y 17

FERTILIZERS, NITROGEN, continued

*Phillips Chem Co, Bartlesville, Okla
Premier Peat Moss Corp, 535 5 Ave, N Y 17
*Sloss-Sheffield Steel & Iron Co, 3131 1 Ave, N Birmingham 2, Ala
*Spencer Chem Co, 610 Dwight Bldg, Kansas City 6, Mo
Tuteur Bio-Chem, 60 Wall St, N Y 5
Wah-Chang Corp, 233 Broadway, N Y 7

FESTOFORM see Formaldehyde

FILINGS, IRON AND STEEL

Uses—in the chemical industry for reduction purposes and as the raw material for the production of industrial iron compounds.

*Paul Blum Co, 313-319 Larkin St, Buffalo 10, N Y
*Ceresit Waterproofing Corp, 3227 Shields Ave, Chicago 16, Ill
John A Chew, 60 E 42 St, N Y 17
*Connelly Inc, 74 Trinity Pl, N Y 6
Phillips & Jacobs, 620-22 Race St, Phila, Pa

FILLERS, CRACK AND CREVICE

Powders, mixed with cold water, which make a non-shrinking, quick drying cement for patching cracks, holes, crevices, etc., in plaster and cement, etc.

*Armstrong Cork Co, Liberty & Mary Sts, Lancaster, Pa
*National Casein Sales, 601-619 W 80 St, Chicago 20, Ill
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind

FILLERS, INSULATING

Substances, usually fire-proof, not edible to vermin and rodents, etc., employed in buildings, factories, plants, etc., to shut out cold damp air and drafts, and to effect substantial fuel savings.

American Firstoline Corp, 420 Lexington Ave, N Y
*Dow Corning Corp, Midland, Mich
*English Mica Co, Sterling Bldg, Stamford, Conn
*Great Lakes Carbon Corp, 18 E 48 St, N Y 17
*Illinois Minerals Co, 807½ Washington Ave, Cairo, Ill
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Johns-Manville, 22 E 40 St, N Y 16
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

FILLERS, LEATHER

Products which impart permanent flexibility, cover cuts and imperfections in the leather and impart a smooth, even surface. Should not "pipe," flake or crack when the leather is bent.

*Buffalo Extract & Supply Co, 717 Elk St, Buffalo, N Y
*Edgar Bros Co, Metuchen, N J
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
E & F King & Co, 640 Pleasant St, Norwood, Mass
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Olson Sales Agency, 20 Broad St, N Y 5
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*C K Williams & Co, 640 N 13 St, Easton, Pa

FILLERS, LINOLEUM

Various organic and inorganic inert substances incorporated in linoleum to give bulk toughness, etc. to the finished product, wood flour, cork, whiting being examples.

American Firstoline Corp, 420 Lexington Ave, N Y
*Calcium Carbonate Co, 222 W Adams St, Chicago, Ill
R E Carroll, 231 Broad St, Bank Bldg, Trenton 1, N J
Charles B Chrystal Co, 53 Park Pl, N Y 7
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*Edgar Bros Co, Metuchen, N J
*Georgia Kaolin Co, 433 N Broad St, Elizabeth, N J
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*J M Huber Corp, 100 Park Ave, N Y 17
*Mineralite Sales Corp, 90 Pine St, N Y 5
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
H N Richards Co, 1475 Prospect St, Trenton 8, N J
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Thompson, Weinman & Co, 52 Vanderbilt Ave, N Y 17
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*C K Williams & Co, 640 N 13 St, Easton, Pa
*Wood Flour Inc, Winchester, N H
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

FILLERS, MASONRY

Heavy coating compositions, often composed of waterproof oil, asbestos fibre and paint pigments, which are applied with a brush or by other mechanical means to exterior surfaces, principally of brick, concrete, or stucco, to place a waterproof coating on porous or leaky walls. Coatings of this type will bridge small cracks, fill in the pores, and, as they come in colors, may be used for decorative purposes also.

*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

FILLERS, MINERAL

China clay, pyrophyllite talc, calcium carbonate and other maerials used to give wt. and bulk, to suspend emulsions, to load various products, to act as extenders. Uses—mfr. rubber, paper, ceramics, soap, textiles, paints.

American Firstoline Corp, 420 Lexington Ave, N Y
*Calcium Carbonate Co, 222 W Adams St, Chicago, Ill
Charles B Chrystal Co, 52 Park Pl, N Y 7
*Dicalite Div, Great Lakes Carbon Corp, 612 S Flower St, Los Angeles 17, Cal
*Edgar Bros Co, Metuchen, N J
*English Mica Co, Sterling Bldg, Stamford, Conn
Hammill & Gillespie, 225 Broadway, N Y 7
*J M Huber Corp, 100 Park Ave, N Y 17
*Industrial Minerals & Chem Co, 6 & Gilman Sts, Berkeley 10, Cal
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Johns-Manville, 22 E 40 St, N Y 16
*Kennedy Minerals Co, 2550 E Olympic Blvd, Los Angeles 23, Cal
*Mineral Sales Corp, 90 Pine St, N Y 5
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
L A Salomon & Bro, 216 Pearl St, N Y 38
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Thompson, Weinman & Co, 52 Vanderbilt Ave, N Y 17
*U S Mica Co, Jordan Ave & Van Dyke St, E Rutherford, N J
*R T Vanderbilt Co, 230 Park Ave, N Y
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*C K Williams & Co, 640 N 13 St, Easton, Pa

FILLERS, PAINT

Materials giving body, strength or other properties to paints.

*Aluminum Flake Co, 965 Wooster Rd, Barberton, Ohio
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
Dicalite Div, Great Lakes Carbon Corp, 612 S Flower St, Los Angeles 17, Cal
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Edgar Bros Co, Metuchen, N J
*English Mica Co, Sterling Bldg, Stamford, Conn
*Great Lakes Carbon Corp, 18 E 48 St, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio

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*Company classifies itself as manufacturer or producer of this product

FILLERS, PAINT, continued

Hammill & Gillespie, 225 Broadway, N Y 7
*J M Huber Corp, 100 Park Ave, N Y 17
*Illinois Minerals Co, 807½ Washington Ave, Cairo, Ill
Innis, Speiden & Co, 117 Liberty St, N Y 6
Johns-Manville Sales Corp, 22 E 40 St, N Y 16
*Mineralite Sales Corp, 90 Pine St, N Y 5
H N Richards Co, 1475 Prospect St, Trenton 8, N J
L A Salomon & Bro, 216 Pearl St, N Y 38
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Thompson, Weinman & Co, 52 Vanderbilt Ave, N Y 17
*U S Gypsum Co, 300 W Adams St, Chicago 6, Ill
*U S Mica Co, Jordan Ave & Van Dyke St, E Rutherford, N J
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*C K Williams & Co, 640 N 13 St, Easton, Pa
Witco Chem Co, 295 Madison Ave, N Y 17

FILLERS, PAPER

Except in high quality papers it is customary to add to the pulp a relatively cheap mineral loading material to provide bulk and also in many instances to help fill the pores. Most commonly used, and often called "loaders" are; china clay, clays, calcium sulfate. See Clays, Paper-Maker's; also Kaolin, China Clay, Calcium Sulfate, etc.

American Firstoline Corp, 420 Lexington Ave, N Y
Charles B Chrystal Co, 53 Park Pl, N Y 7
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
Dicalite Div, Great Lakes Carbon Corp, 612 S Flower St, Los Angeles 17, Cal
*Edgar Bros Co, Metuchen, N J
*English Mica Co, Sterling Bldg, Stamford, Conn
*Georgia Kaolin Co, 433 N Broad St, Elizabeth, N J
*Great Lakes Carbon Corp, 18 E 48 St, N Y 17
Hammill & Gillespie, 225 Broadway, N Y 7
*J M Huber Corp, 100 Park Ave, N Y 17
Innis, Speiden & Co, 117 Liberty St, N Y 6
Johns-Manville Sales Corp, 22 E 40 St, N Y 16
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*C K Williams & Co, 640 N 13 St, Easton, Pa
Witco Chem Co, 295 Madison Ave, N Y 17
C L Zimmerman Co, N-204 Cincinnati Union Terminal, Cincinnati 3, Ohio

FILLERS, PLASTIC

The use of filling materials, which include cellulose, asbestos, fabric, paper, etc., is for the value given by the special properties of these materials, better molding qualities, greater toughness and strength, and, in the case of mineral fillers, an increased degree of water and heat resistance. Wood flour is one of the most common of fillers employed. Further, mineral filled molding materials also have a lower coefficient of heat expansion and lower shrinkage in the molding operation which in some instances is an advantage. See also pitches of various types.

American Firstoline Corp, 420 Lexington Ave, N Y
R E Carroll, 231 Broad St Bank Bldg, Trenton 1, N J
Charles B Chrystal Co, 53 Park Pl, N Y 7
*Colorado Asbestos & Mining Co, Box 65, S Braintree, Mass
*Composition Materials Co, 23 W 44 St, N Y
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*Edgar Bros Co, Metuchen, N J
*English Mica Co, Sterling Bldg, Stamford, Conn
*Georgia Kaolin Co, 433 N Broad St, Elizabeth, N J
*Great Lakes Carbon Corp, 18 E 48 St, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7 Cal
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*J M Huber Corp, 100 Park Ave, N Y 17
Johns-Manville Sales Corp, 22 E 40 St, N Y 16
*Mineralite Sales Corp, 90 Pine St, N Y 5
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
*Quaker Oats Co, 341 Merchandise Mart Plaza, Chicago 54, Ill
H N Richards Co, 1475 Prospect St, Trenton 8, N J
L A Salomon & Bro, 216 Pearl St, N Y 38
*Bernard Sirotta Co, 621 Smith St, Bklyn 31, N Y
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*U S Mica Co, Jordan Ave & Van Dyke St, E Rutherford, N J
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*C K Williams & Co, 640 N 13 St, Easton, Pa
Witco Chem Co, 295 Madison Ave, N Y 17
*Wood Flour, Inc, Winchester, N H
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

FILLERS, RUBBER

A wide variety of inert materials, including asbestos, barytes, calcium carbonate, diatomaceous earth, cotton flock, rayon flock, fossil flour, hydrated lime, flake graphite, magnesia, mica, pumice, silica, talc, whiting, wood flour, and rubber substitute or factice, etc., are employed to reduce costs, reduce gravity, and to aid in surface finishing.

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Celite Filter Aids, the original diatomaceous silica filter powders, provide efficient, low-cost clarification in the filtering of numerous liquids ranging from sugar and syrups to drugs and lubricants. Available in 8 standard grades to provide any desired degree of clarity at the highest rate of flow.

Celite Mineral Fillers have been developed in varying grades for many industrial processes. They provide such product improvements as added bulk, reduction of gloss, increased hardness and toughness, removal of stickiness, control of body, higher melting point, improved dispersion, etc.

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22 EAST 40th STREET NEW YORK 16, N. Y.

FILLERS, RUBBER, continued

*Aluminum Flake Co, 965 Wooster Rd, Barberton, Ohio
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*Calcium Carbonate Co, 222 W Adams St, Chicago, Ill
R E Carroll, 231 Broad St Bank Bldg, Trenton 1, N J
Charles B Chrystal Co, 53 Park Pl, N Y 7
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*Edgar Bros Co, Metuchen, N J
*Great Lakes Carbon Corp, 18 E 48 St, N Y 17
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*J M Huber Corp, 100 Park Ave, N Y 17
Johns-Manville Sales Corp, 22 E 40 St, N Y 16
J A Kendall, 714 Second National Bldg, Akron 8, Ohio
*Mineralite Sales Corp, 90 Pine St, N Y 5
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
H N Richards Co, 1475 Prospect St, Trenton 8, N J
L A Salomon & Bro, 216 Pearl St, N Y 38
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Thompson, Weinman & Co, 52 Vanderbilt Ave, N Y 17
*R T Vanderbilt Co, 230 Park Ave, N Y
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*C K Williams & Co, 640 N 13 St, Easton, Pa
*Witco Chem Co, 295 Madison Ave, N Y 17
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

FILLERS, TEXTILE

Wide variety of products used in finishing operations to help fill the small spaces between woven or knitted fibres and to coat them so as to provide a "body" to the goods; commonly used are casein, talc, china clay, lithopone, etc.

*Aluminum Flake Co, 965 Wooster Rd, Barberton, Ohio
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
Charles B Chrystal Co, 53 Park Pl, N Y 7
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
*Edgar Bros Co, Metuchen, N J
*Georgia Kaolin Co, 433 N Broad St, Elizabeth, N J
Hammill & Gillespie, 225 Broadway, N Y 7
L A Salomon & Bro, 216 Pearl St, N Y 38
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*C K Williams & Co, 640 N 13 St, Easton, Pa

FILLERS, WOOD

Pastes or liq. specially for sealing wood surface to make it smooth and fill the cellular spaces so that the succeeding finishing coats will not penetrate but will provide a surface finish. Pastes are often used for all open-grained woods, such as oak, ash, chestnut, while liq. are preferred for close-grained woods, such as pine, fir, gumwood, and cypress. Fillers should also aid as a bond between the wood and the finishing coats.

*Craftint Mfg Co, E 52 St at Collamer Ave, Cleveland 10, Ohio
*Grand Rapids Wood Finishing Co, 53-71 Grandmille Ave S W, Grand Rapids 2, Mich
K F Griffiths & Co, 280 Madison Ave, N Y 16
*Interchem Corp, 224 McWhorter St, Newark, N J
*National Casein Sales, 601-619 W 53 St, Chicago 20, Ill
*New Wrinkle, 105 W Adams St, Chicago 3, Ill

FILLERS, WOOD, continued

*Perkins Glue Co, Lansdale, Pa
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
*Reliance Varnish Co, 4730 Crittenden Dr, Louisville 9, Ky
*Western States Lacquer Co, 4400 E Washington Blvd, Los Angeles, Cal
*Wood Flour Inc, Winchester, N H

FILM BASE, SCRAP

*Paul Blum Co, 313-319 Larkin St, Buffalo 10, N Y
*Scholle Chem Corp, 6641 Ridge Ave, Chicago 26, Ill
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

FILM BASES

Products of either a nitrocellulose or cellulose acetate composition used for the production of photographic films.

*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Scholle Chem Corp, 6641 Ridge Ave, Chicago 26, Ill

FILTER AIDS

Substances that facilitate the removal of suspended matter in a filtration process.

*Brown Co, 500 5 Ave, N Y
*Colorado Asbestos & Mining Co, Box 65, S Braintree, Mass
Conn Metalcraft, 442 Elm St, New Haven 2, Conn
*Dicalite Div, Great Lakes Carbon Corp, 612 S Flower St, Los Angeles 17, Cal
D K Gersten Trading Co, 150 Nassau St, N Y 38
*Industrial Minerals & Chem Co, 6 & Gilman Sts, Berkeley 10, Cal
*Johns-Manville, 22 E 40 St, N Y 16
*Midland Color & Chem Co, 15 Greene St, Jersey City 2, N J
Millmaster Chem Corp, 420 Lexington Ave, N Y 17
F M Speekman Co, 141 Quint St, San Francisco 24, Cal
*W Va Pulp & Paper Co, 230 Park Ave, N Y 17
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

FILTER MATERIAL

Products which are used for the clarification of sugars, chemicals, oils, fruit juices, varnish, and a wide variety of products where a filtering operation is necessary.

*American Felt Co, Glenville, Conn
*Colorado Asbestos & Mining Co, Box 65, S Braintree, Mass
D K Gersten Trading Co, 150 Nassau St, N Y 38
N H Heyman, 244 E 91 St, N Y 28
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Manufacturers Min Co, Box 3144, Seattle, Wash
*Reeve & Mitchell Co, 300 Spruce St, Phila 6, Pa
F M Speekman Co, 141 Quint St, San Francisco 24, Cal

FINISHES, ALCOHOL-RESISTANT

*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Interchem Corp, 224 McWhorter St, Newark, N J
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Sherwin-Williams Co, 100 Park Ave, N Y 17

FINISHES, BAKE

*Atlas Powder Co, 9 & Market Sts, Wilmington, Del
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Dagmar Chem Co, P O Box 343, Glenbrook, Conn
*Interchem Corp, 224 McWhorter St, Newark, N J
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Standard Varnish Works, 2600 Richmond Terrace, S I 3, N Y
*Yarnall Paint Co, Grays Ave W of 54 St, Phila 43, Pa

TEXTILE FINISHES

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water repllent finishes

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FINISHES, JAPAN

*Sherwin-Williams Co, 100 Park Ave, N Y 17

FINISHES, LEATHER

Preps. used to impart softness, oliancy. "feel," in certain cases resistance to water.

*Acme Shellac Products Co, 100 Blanchard St, Newark, N J
*American Finish & Chem Co, 1012 Broadway, Chelsea 50, Mass
Antara Products Div, 435 Hudson St, N Y 14
*Apex Chem Co, 225 W 34 St, N Y 1
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
*Dow Corning Corp, Midland, Mich
*Grand Rapids Varnish Corp, 1350 Steele Ave, S W, Grand Rapids 2, Mich
*Keiner Co, 410 Adams St, Newark 5, N J
*Kepec Chem Corp, 1454 N 4 St, Milwaukee, Wis
*Lloyd Labs, 19 Central St, Peabody, Mass
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
Meves & Gregg, 110 N Front St, Phila 6, Pa
*M Michel & Co, 90 Broad St, N Y 4
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*R & A Leather Finish Co, 812 E 43 St, Bklyn 10, N Y
*Riesen Chem Corp, 418 W Vliet St, Milwaukee 12, Wis
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

FINISHES, LEATHER GLAZED

Specially formulated products used to give a beautiful, uniform lustre, sheen, "feel," to glazed leathers, dress sideleathers, etc.

*Acme Shellac Products Co, 100 Blachard St, Newark, N J
*Compo Chem Co, 150 Causeway St, Boston 14, Mass
*Keiner Co, 410 Adams St, Newark 5, N J
*Lloyd Labs, 19 Central St, Peabody, Mass
Meves & Gregg, 110 N Front St, Phila 6, Pa
A J & J O Pilar, Chapel St & Lister Ave, Newark 5, N J

FINISHES, PATENT LEATHER

*Riesen Chem Corp, 418 W Vliet St, Milwaukee 12, Wis

FINISHES, PIGMENTED LEATHER

Highly specialized finishes used by leather-dressers for renovating or restoring surface colors.

*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Fiber Chem Corp, Box 218, Matawan, N J
*Keiner Co, 410 Adams St, Newark 5, N J
*Kepec Chem Corp, 1454 N 4 St, Milwaukee, Wis
*Lloyd Labs, 19 Central St, Peabody, Mass
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
A J & J O Pilar, Chapel St & Lister Ave, Newark 5, N J
*R & A Leather Finish Co, 812 E 43 St, Bklyn 10, N Y
*Riesen Chem Corp, 418 W Vliet St, Milwaukee 12, Wis

FINISHES, TEXTILE

Starches, gums, softening agents, filling agents, and weighters used to treat fabrics after mercerizing and dyeing operations.

*Alrose Chem Co, 180 Mill St, Cranston 5, R I
Antara Products Div, 435 Hudson St, N Y 14
*Apex Chem Co, 225 W 34 St, N Y 1
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Bryant Chem Corp, 6 North St, N Quincy, Mass
*Calco Chem Div, Bound Brook, N J
*Catalin Corp of America, 1 Park Ave, N Y 16
*Ciba Co, 627 Greenwich St, N Y 14
*Clinton Foods, Clinton, Iowa
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
*Commonwealth Color & Chem Co, 3240 Grace Ave, Bronx 67, N Y
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Eastern Color & Chem Co, 137 Canal St, Providence, R I
*Emkay Chem Co, 319 2 St, Elizabeth 1, N J
*Fabric Chem Co, 61 Cornelison Ave, Jersey City 4, N J
*Fiber Chem Corp, Box 218, Matawan, N J
*Foster Finishing Products Co, Hope St & Montgomery Ave, Phila, Pa
*Geigy Co, 89 Barclay St, N Y 8
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Joy Chem Co, 133 Webster St, Pawtucket, R I
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*Kearny Mfg Co, Box 61, Kearny, N J
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Montgomery Bros, Penrose & Packer Ave, Phila, Pa
*Naugatuck Chem, Naugatuck, Conn
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
M Michel & Co, 90 Broad St, N Y 4
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Paisley Products, 630 W 51 St, N Y
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Royce Chem Co, Carlton Ave, Carlton Hill, N J
*Scher Bros, 519 Getty Ave, Clifton, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Southern Textile Chem Corp, 1407 Broadway, N Y 18
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Standard Soap Co of Camden, 205 S 2 St, Camden, N J
*Tex-Chem Co, 20-21 Wagaraw Rd, Fairlawn, N J
*Textile Proofers, 181 Culver Ave, Jersey City, N J
*Titan Chem Products, Mill Rd & Wayne St, Jersey City, N J
*Warwick Chem Co Div, Wood River Junction, R I
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

FINISHES, WRINKLE

*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Interchem Corp, 224 McWhorter St, Newark, N J
*Pratt & Lambert, 75 Tonawanda St, Buffalo 7, N Y
*Sherwin-Williams Co, 100 Park Ave, N Y 17
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Standard Varnish Works, 2600 Richmond Terrace, S I 3, N Y
*Yarnall Paint Co, Grays Ave W of 54 St, Phila 43, Pa

FIRE EXTINGUISHER CHARGES

Chemicals or compounds employed in fire extinguishers to provide a cloud of non-combustible gases, liq., or fire-smothering foam or coating which surrounds any burning object and produces a medium which will not support combustion. See Sodium Bicarbonate, Carbon Tetrachloride, etc.

American Firstoline Corp, 420 Lexington Ave, N Y
*Ansul Chem Co, Marinette, Wis
*Barco Chem Products Co, 701 S LaSalle St, Chicago, Ill
John A Chew, 60 E 42 St, N Y 17
Cole Labs, 42-25 9 St, L I C 1, N Y
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*Dow Chem Co, Midland, Mich
*B R Elk Co, 193 Palisade Ave, Garfield, N J
*K & L Chem Co, 1052 W 78 St, Chicago 20, Ill
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
*Mearl Corp, 153 Waverly Pl, N Y 14
Merchants Chem Co, 60 E 42 St, N Y 17
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

FIREPROOFING COMPOUNDS, FABRIC

Specially formulated compounds that emit flame-quenching vapors, that deliquesce, or readily fuse and protect the fiber from combustion by excluding air. Usually contained in the formulae are: boric acid or borates, and ammonium phosphates or sulfates. Where laundry-fast flame-proofing agents are required the insol. stannates and tungstates are usually employed.

Antara Products Div, 435 Hudson St, N Y 14
*Chem Specialties, 29 E Madison St, Chicago, Ill
*Croton Chem Corp, 114 Liberty St, N Y 6
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*E I Du Pont de Nemours & Co, 111 Sutter St, San Francisco, Cal
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Eastern Color & Chem Co, 137 Canal St, Providence, R I
*Glyco Products Co, 25 Court St, Bklyn 2, N Y
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
E & F King & Co, 440 Pleasant St, Norwood, Mass
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Montgomery Bros, Penrose & Packer Ave, Phila, Pa
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Rosco Labs, 367 Hudson Ave, Bklyn 1, N Y
*Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Textile Proofers, 181 Culver Ave, Jersey City, N J
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Warwick Chem Co Div, Wood River Junction, R I

FIREPROOFING COMPOUNDS, WOOD

Chemicals or specially prepared combinations of chemicals which when applied to wood will not actively support combustion, thus preventing the wood from bursting into flame, but charring instead. In most cases the chemicals used to impregnate the wood when heated emit a smothering gas or composition of gases which will keep oxygen from air from supporting combustion.

American Lumber & Treating Co, 332 S Mich Ave, Chicago, Ill
J T Baker Chem Co, Phillipsburg, N J
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del

*Company classifies itself as manufacturer or producer of this product

FIREPROOFING COMPOUNDS, WOOD, continued

E & F King & Co, 640 Pleasant St, Norwood, Mass
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
*Philadelphia Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

FISH GLUE see Isinglass

FISH GUANO see Fish Scrap and Meal

FISH SCRAP AND MEAL (Fish Guano)

Source of nitrogenous fertilizer material. Definitions of the Association of Official Agricultural Chemists include the following:—Acidulated Fish Tankage. Acidulated Fish Scrap is the rendered product derived from fish and treated with sulfuric acid. Fish Tankage. Fish Scrap. Dry Ground Fish. Fish Meal Fertilizer Grade is the dried ground product derived from rendered or unrendered fish.

Albumina Supply Co, 2 Broadway, N Y 4
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
Bradley & Baker, 155 E 44 St, N Y 17
Dalton-Cooper, 200 W 34 St, N Y
Dickerson Co, Drexel Bldg, Phila 6, Pa
International Fisheries Corp, 120 Wall St, N Y 5
Joseph C Jett, Board of Trade Bldg, Norfolk 1, Va
Lundt & Co, 24 State St, N Y 4
Maxim Chem Co, 44 Cliff St, N Y 7
*Mearl Corp, 153 Waverly Pl, N Y 14
Ovimpex, Inc, 149 Broadway, N Y 6
*Rogers Isinglass & Glue Co, 210 Eastern Ave, Gloucester, Mass
Snow & Co, 3039 E 12 St, Los Angeles, Cal
*Summers Fertilizer Co, 194 Exchange St, Bangor, Me
*Van Camp Labs, 772 Tuna St, Terminal Is, Cal

FIXATIVES, PERFUMES

Materials that blend and make permanent perfume odors. Until recently the fixatives were exclusively of animal origin (musk, civet, castoreum and ambergris are the most important) but synthetically produced fixatives are now available, as for example, artificial musk.

*American-British Chem Supplies, 180 Madison Ave, N Y
*Phillip Chaleyer, 160 E 56 St, N Y 22
*Dodge & Olcott, 180 Varick St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Firmenich & Co, 250 W 18 St, N Y 11
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Gunning & Gunning, 601 W 26 St, N Y 1
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Kay-Fries Chem, 180 Madison Ave, N Y 16
*Lautier Fils, 321 5 Ave, N Y 16
*M Michel & Co, 90 Broad St, N Y 4
*Naugatuck Aromatics, 254 4 Ave, N Y 10
*P Robertet, 125 E 23 St, N Y 10
*Roure-DuPont, 366 Madison Ave, N Y 17
*Schimmel & Co, 601 W 26 St, N Y 1

FIXED NITRE see Potassium Carbonate

FIXERS, PHOTOGRAPHIC

*Edwal Labs, Ringwood, Ill
*Philip A Hunt Co, Palisades Park, N J
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Norman-Willets Co, 316 Washington St, Chicago 6, Ill
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

FIXING AGENTS, TEXTILE

Products to improve the fastness of direct dyes in after-treatment of the goods.

Antara Products Div, 435 Hudson St, N Y 14
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Carlstadt Chem Co, Carlstadt, N J
*Ciba Co, 627 Greenwich St, N Y 14
*W C Durfee Co, 463 Commercial St, Boston 13, Mass
*Geigy Co, 89 Barclay St, N Y 8
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
L B Russell Chem, 80 Orange St, Bloomfield, N J
*Scher Bros, 519 Getty Ave, Clifton, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Warwick Chem Co Div, Wood River Junction, R I

FLAKE WHITE see Bismuth Subnitrate

FLATTING AGENTS

Products which impart a flat or dull appearance to finishes of enamels, lacquers, varnishes.

*Advance Solvents & Chem Corp, 245 8 Ave, N Y 16
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20

FLATTING AGENTS, continued

*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
L J & M La Place, Lel'arts Lane, E Paterson, N J
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Metasap Chem Co, Logan & Davis Sts, Harrison, N J
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

FLAVORS, BAKERS' & CONFECTIONERS'

Wide variety of imitation and true fruit flavor bases employed by bakers and confectioners.

Bendix Chem Corp, 420 Lexington Ave, N Y
*Phillip Chaleyer, 160 E 56 St, N Y 22
*Compagnie Parento, 58 Brook St, Croton-On-Hudson, N Y
*Dodge & Olcott, 180 Varick St, N Y 14
*Firmenich & Co, 250 W 18 St, N Y 11
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Alex Fries & Bro, 1403 Central Pkwy, Cincinnati, Ohio
*Givaudan Flavors, 330 W 42 St, N Y
*Globe Extracts, 2896 Fulton St, Bklyn 7, N Y

FLAVORS, BAKERS & CONFECTIONERS, continued

*H Kohnstamm & Co, 81 Park Pl, N Y 7
*E M Laning Co, 433 Stuyvesant Ave, Irvington 11, N J
James B Long & Co, 4642 N Ravenswood Ave, Chicago 40, Ill
*J Manheimer, 214 E 21 St, N Y 19
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis, Mo
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
Overseas Trading Corp, 420 Lexington Ave, N Y 17
*Perfection Co, 211 S 5 St, Waco, Tex
Polak's Frutal Works, 33 Sprague Ave, Middletown, N Y
*H C Ryland, 161 Water St, N Y 38
*Schimmel & Co, 601 W 26 St, N Y 1
*Seely & Co, 1 Main St, Nyack, N Y
*Shields Buying Service, 15 Moore St, N Y 4
*Sterwin Chem, 1450 Broadway, N Y 18
*Van Ameringen Haebler, 521 W 57 St, N Y 19
*Vejin Inc, 944 W 5 St, Cincinnati 3, Ohio
*Wiz Products Co, 4027 N 5 St, Phila 40, Pa

VANILLIN
ZIMCO® LIGNIN VANILLIN C. P., U. S. P.
A Natural Source Vanillin Originated and Manufactured in the United States.
A Finer Vanillin of Exquisite Aroma.
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445 Lake Shore Drive, Chicago 11, Ill.
FACTORY, RUTHERFORD, NEW JERSEY

MONSANTO
SANTOCEL
FOR INDUSTRIAL APPLICATIONS
GENERAL: Silica Aerogel of low density and high oil absorption. Four grades according to particle size and dry bulk density. PROPERTIES: Color, white-transparent in vehicles; index of refraction, 2.2; particle size, 3-5 microns depending on grade; dry bulk density, 2-3 lbs. per cu. ft. to 7.5 lbs. per cu. ft., depending on grade. USES: Flatting agent (matte finishes), anti-caking aid, dry grinding aid, bulk extender, thickening agent, rubber reinforcer, insecticide for stored grain.
MONSANTO CHEMICAL COMPANY
Merrimac Division
Boston 49, Mass.
Santocel: Reg. U. S. Pat. Off.
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MONSANTO
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Flatting Agents and Extenders
SYLOID* 308 FOR LACQUERS
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Finely divided siliceous materials for use by paint, varnish and lacquer manufacturers. ▸▸▸ Syloid Flatting Agents and Extenders offer greater flatting efficiency, economy of use, economy of operation, high purity and uniformity. Films containing Syloid 308 or 404 display superior toughness, durability and clarity.
*T. M. REG. APP. FOR
THE DAVISON CHEMICAL CORPORATION
BALTIMORE-3 • MARYLAND

*Company classifies itself as manufacturer or producer of this product

TRUE FRUIT and IMITATION ESSENCES

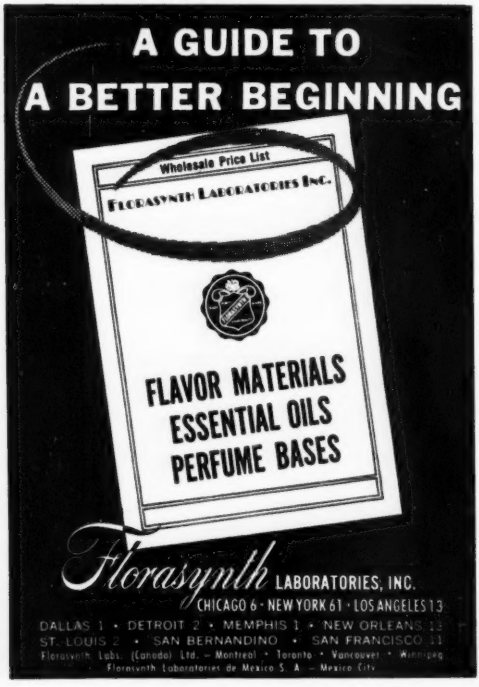
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GEORGE LUEDERS & COMPANY

Established 1885
427-429 Washington Street
New York 13, N. Y.

True Fruit and Imitation Flavors Essential Oils

Polak & Schwarz, Inc.
667 Washington Street, New York, N. Y.
CHICAGO—173 West Madison St.
TORONTO—2001 Eglinton Ave. East, Toronto 13, Canada



FLAVORS, BOTTLERS'

Wide variety of preps., both natural and synthetically prepared, used for flavoring soft drinks and other beverages.

Bendix Chem Corp, 420 Lexington Ave, N Y
*E Berghausen Chem Co, 4538 W Mitchell Ave, Cincinnati 32, Ohio
*Compagnie Parento, 68 Brook St, Croton-On-Hudson, N Y
*Dodge & Olcott, 180 Varick St, N Y 14
*Firmenich & Co, 250 W 18 St, N Y 11
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Alex Fries & Bro, 1403 Central Pkwy, Cincinnati, Ohio
*Fries & Fries, 142 S Long Beach Rd, Rockville Centre, N Y
*Givaudan Flavors, 330 W 42 St, N Y
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*V & E Kohnstamm, 329 Canal St, N Y 13
*Liquid Carbonic Corp, 3100 S Kedzie Ave, Chicago 23, Ill
*J Manheimer, 214 E 21 St, N Y 19
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
*Perfection Co, 211 S 5 St, Waco, Tex
*Polak's Frutal Works, 33 Sprague Ave, Middletown, N Y
*Rola Extract Co, 341 E 3 St, Erie, Pa
*Schimmel & Co, 601 W 26 St, N Y 1
*Seeley & Co, 1 Main St, Nyack, N Y
*Wiz Products Co, 4027 N 5 St, Phila 40, Pa

FLAVORS, CONDIMENTS

Products which add brilliancy, eliminate specks, do not discolor and keep flavor definite and uniform. The more generally used flavors are: Barbecue relish, garlic, onion, horseradish, pork and bean; sour and sweet pickle, tomato catsup, blended spices, etc.

*E Berghausen Chem Co, 4538 W Mitchell Ave, Cincinnati 32, Ohio
Dalton-Cooper, 200 W 34 St, N Y
*Dodge & Olcott, 180 Varick St, N Y 14
*Edwal Labs, Ringwood, Ill
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Alex Fries & Bro, 1403 Central Pkwy, Cincinnati, Ohio
*Fries & Fries, 142 S Long Beach Rd, Rockville Centre, N Y
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis, Mo
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
Phillips Scientific Labs, 23 E Garden Terrace, N Arlington, N J
*Polak's Frutal Works, 33 Sprague Ave, Middletown, N Y
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn

FLAVORS, FRUIT, NATURAL

Fruit flavors prepared from the natural fruit and preserved by harmless products to prevent decomposition and spoilage.

Wm M Allison & Co, 162 Water St, N Y 38
*Dodge & Olcott, 180 Varick St, N Y 14
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Alex Fries & Bro, 1403 Central Pkwy, Cincinnati, Ohio
*Fries & Fries, 142 S Long Beach Rd, Rockville Centre, N Y
*Givaudan Flavors, 330 W 42 St, N Y
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*E M Laning Co, 433 Stuyvesant Ave, Irvington 11, N J
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
*Polak's Frutal Works, 33 Sprague Ave, Middletown, N Y
Polak & Schwartz, 667 Washington St, N Y 14
*Seeley & Co, 1 Main St, Nyack, N Y
*Shields Buying Service, 15 Moore St, N Y 4

FLAVORS, FRUIT, (Synthetic)

Preps., synthetically produced, which faithfully reproduce the flavoring properties of the natural fruits. Should be perfectly wholesome and free from all deleterious substances, and are generally employed in flavoring beverages, jams, jellies, candies, condiments and other products.

Wm M Allison & Co, 162 Water St, N Y 38

*Company classifies itself as manufacturer or producer of this product

FLAVORS, FRUIT (Synthetic), continued

*Phillip Chaleyer, 160 E 56 St, N Y 22
*Compagnie Parento, 68 Brook St, Croton-On-Hudson, N Y
*Dodge & Olcott, 180 Varick St, N Y 14
*Firmenich & Co, 250 W 18 St, N Y 11
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Alex Fries & Bro, 1403 Central Pkwy, Cincinnati, Ohio
*Fries & Fries, 142 S Long Beach Rd, Rockville Centre, N Y
Gauge & Devin, 7 Front St, San Francisco 11, Cal
*Givaudan Flavors, 330 W 42 St, N Y
*Globe Extracts, 2896 Fulton St, Bklyn 7, N Y
Greene Trading Co, 60 Wall St, N Y 5
*D W Hutchinson & Co, 162-164 Front St, N Y 38
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*V & E Kohnstamm, 329 Canal St, N Y 13
*Liquid Carbonic Corp, 3100 S Kedzie Ave, Chicago 23, Ill
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
*Polak's Frutal Works, 33 Sprague Ave, Middletown, N Y
Polak & Schwartz, 667 Washington St, N Y 14
*Rola Extract Co, 341 E 3 St, Erie, Pa
*H C Ryland, 161 Water St, N Y 38
*Seeley & Co, 1 Main St, Nyack, N Y

FLAVORS, LIQUORS AND CORDIALS

Special formulae employed by the blender and rectifier for flavoring alcoholic beverages. The following are the most common: for whiskies, Bourbon, rye, Scotch, Irish; for gins, Holland, London, Tom; for brandies, apple, apricot, blackberry, sherry, cognac, peach; for rums, Jamaica, New England, Santa Cruz, etc.; for cordials, Absinthe, Anisette, Benedictine, Chartreuse, Courtreux, Curacoa, Creme de Cafe, Creme de Cocoa, Creme de Menthe, Kirschwasser, Kummel, Maraschino, Orange, Rose, etc.

*Dodge & Olcott, 180 Varick St, N Y 14
*Firmenich & Co, 250 W 18 St, N Y 11
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Alex Fries & Bro, 1403 Central Pkwy, Cincinnati, Ohio
*Fries & Fries, 142 S Long Beach Rd, Rockville Centre, N Y
*Givaudan Flavors, 330 W 42 St, N Y
*Globe Extracts, 2896 Fulton St, Bklyn 7, N Y
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*J Manheimer, 214 E 21 St, N Y 19
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
*Polak's Frutal Works, 33 Sprague Ave, Middletown, N Y
Polak & Schwartz, 667 Washington St, N Y 14
*Seeley & Co, 1 Main St, Nyack, N Y

FLAVORS, MEAT PACKERS'

Products employed by mfr. of bologna, frankfurters, liverwurst, sausage, salt and smoked meats, etc., to improve the taste, odor of their products.

*Dodge & Olcott, 180 Varick St, N Y 14
*Firmenich & Co, 250 W 18 St, N Y 11
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Fries & Fries, 142 S Long Beach Rd, Rockville Centre, N Y
*H Kohnstamm & Co, 83 Park Pl, N Y 7
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
*Perfection Co, 211 S 5 St, Waco, Tex
Polak & Schwartz, 667 Washington St, N Y 14
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn

FLAVORS, PHARMACEUTICAL

*Dodge & Olcott, 180 Varick St, N Y 14
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Edwal Labs, Ringwood, Ill
*Firmenich & Co, 250 W 18 St, N Y 11
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Alex Fries & Bro, 1403 Central Pkwy, Cincinnati, Ohio
*Fries & Fries, 142 S Long Beach Rd, Rockville Centre, N Y
*Givaudan Flavors, 330 W 42 St, N Y
*D W Hutchinson & Co, 162-164 Front St, N Y 38
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Polak's Frutal Works, 33 Sprague Ave, Middletown, N Y
*Schimmel & Co, 601 W 26 St, N Y 1
*Seeley & Co, 1 Main St, Nyack, N Y

MONSANTO
FLAVOR AND AROMA PRINCIPLES

Ethavan (Ethyl Vanillin Monsanto)
Vanillin Monsanto, U.S.P. Coumarin Monsanto
Methyl Salicylate Monsanto, U.S.P.
(Synthetic Oil of Wintergreen)
For specifications, see listings in Raw Materials Section.

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division
St. Louis 4, Mo.
Ethavan: Reg. U. S. Pat. Off.

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genuine fruit and imitation
FLAVORING EXTRACTS
pure and imitation
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*Company classifies itself as manufacturer or producer of this product

FLAVORING MATERIALS
of Natural and Synthetic Origin
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True Fruit Flavors and Imitation Flavors
•
Vanilla Extracts and Imitation Vanilla Flavors
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DODGE & OLCOTT, INC.
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MM&R FLAVOR OILS & SPICE OILS
For flavor control, hundreds of food producers are using MM&R Quality Flavors and Spice Oils. Standard flavors and special formula flavors. Quotations and testing samples on request.
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221 N. LA SALLE ST. CHICAGO, ILL.

FLOTATION AGENTS
For greater productivity and more effective separation, investigate Armour's specification chemical reagents.
Armour's cationic reagents include ARMEENS (high molecular weight aliphatic amines), ARMACS (their water-soluble acetate salts), and ARQUADS (quaternary ammonium salts). Armour's anionic reagents are NEO-FATS (special fractionally distilled fatty acids). All are available in commercial quantities. For technical advice and samples, write:
ARMOUR Chemical Division
Armour and Company • 1355 W. 31st Street • Chicago 9, Ill.

FLAVORS, TOBACCO

Variety of preps. used on tobacco to impart special flavor and aroma.

Wm M Allison & Co, 162 Water St, N Y 38
*Phillip Chaleyer, 160 E 56 St, N Y 22
*Dodge & Olcott, 180 Varick St, N Y 14
*Dow Chem Co, Midland, Mich
*Firmenich & Co, 250 W 18 St, N Y 11
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Alex Fries & Bro, 1403 Central Pkwy, Cincinnati, Ohio
*Fries & Fries, 142 S Long Beach Rd, Rockville Centre, N Y
*Givaudan Flavors, 330 W 42 St, N Y
*Globe Extracts, 2896 Fulton St, Bklyn 7, N Y
*Gunning & Gunning, 601 W 26 St, N Y 1
*D W Hutchinson & Co, 162-164 Front St, N Y 38
*H Kohnstamm & Co, 83 Park Pl, N Y 7
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
*P Robertet, 125 E 23 St, N Y 10

FLAX SEED (Linseed, Linum)

Ripe seeds of Linum usitatissimum. Habitat—everywhere in cultivated state. Uses—source of linseed oil; in medicine. Grades—tech.; U.S.P.

Dalton-Cooper, 200 W 34 St, N Y
Howe & French, Mfg Dept, E Weymouth, Mass
Mutchler Chem Co, 258 Broadway, N Y 7
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal

FLEASEED see Psyllium Seed

FLEAWORT see Psyllium Seed

FLINT (Flintstone)

Natural. Brownish-black gray crystalline or brown lumps. Sp. gr. 2.6. Sol. hydrofluoric acid; insol. water. Uses—mfr. flint glass, stoneware, agate mortars, porcelain, pottery, enamelware, road metal, concrete, refractory bricks; abrasive; polishing; as balls for ball mills; graining lithographic plates; chemical tower packing. Grades—commerical.

Charles B Chrystal Co, 53 Park Pl, N Y 7
K F Griffiths & Co, 280 Madison Ave, N Y 16
Hammill & Gillespie, 225 Broadway, N Y 7
New England Quartz Co, 454 7 Ave, N Y 1
Republic Chem Corp, 94 Beekman St, N Y 38
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

FLINTSTONE see Flint

FLOOR SURFACERS

Preps. applied to new or worn concrete floors to prevent dusting, disintegration, formation of ruts and holes, and to correct such conditions where they already exist; also other types to prevent dusting, splintering, and disintegration of wood floors and to renew the life, resilience, toughness and durability of the wood by restoring to its pores natural gums, oils, and resins that wear and tear have removed.

*Armstrong Cork Co, Liberty & Mary Sts, Lancaster, Pa
Asphalt Emulsion Service, 331 Madison Ave, N Y 17
*Johns-Manville, 22 E 40 St, N Y 16
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

FLORES MARTIS see Ferric Chloride

FLORSPAR see Fluorspar

FLOTATION AGENTS

Chemicals and specially compounded products used in ore treating to float the minerals in a froth permitting separation from the ore pulp. Oil and oily substances were the first flotation agents. With the introduction of selective flotation xylidine, alphanaphthalamine, thiocarbanilide, orthotoluidine, certain of the thiouras, potassium xanthate, sodium xanthate, certain of the amyl compounds, cresylic acid, pine oil, etc., were utilized.

*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Barrett Div, 40 Rector St, N Y 6
*Dow Chem Co, Midland, Mich
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Republic Chem Corp, 94 Beekman St, N Y 38

FLOTATION REAGENTS

*Barrett Div, 40 Rector St, N Y 6
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Ciba Co, 627 Greenwich St, N Y 14
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Newport Industries, 230 Park Ave, N Y 17
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
Petroleum Specialties, 205 E 42 St, N Y 17
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
*Wheeler, Reynolds & Stauffer, 636 California St, San Francisco 8 Cal

*Company classifies itself as manufacturer or producer of this product

TAM
ZIRCONIUM & TITANIUM PRODUCTS
Registered U. S. Pat. Off.

*TAM *Zirconite

a super-refractory sand, core, and mold wash with high resistance to "burn in."

*Registered Trade Mark

TITANIUM ALLOY MANUFACTURING DIVISION
NATIONAL LEAD COMPANY
Office: 111 Broadway, N. Y. C. Plant: Niagara Falls, N. Y.

For other products and services see our ads in Catalog Section

FLOWERS OF ANTIMONY see Antimony Oxide

FLOWERS OF BISMUTH see Bismuth Trioxide

FLOWERS OF ZINC see Zinc Oxide

FLUOR see Fluorspar

FLUORENE

$C_{13}H_{10}$. M.W. 166. F.P. 110°C. White crystalline solid, sol. in aromatic solvents but not in water. Apart from the reactivity of the CH_2 group, fluorene undergoes the halogenation, sulfonation and nitration reactions characteristic of aromatic compounds. Intermediates from fluorene have uses in making resinous products, insecticides, dyestuffs, etc.

*Bios Labs, 17 W 60 St, N Y 23
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
Reinhart Chem Corp, 405 Lexington Ave, N Y 17

FLUORESCEIN (Resorcinolphthalein, Tetraoxyphthalophenonanhydride)

$C_{20}H_{12}O_5$. M.W. 332.30. Yellowish-red powd. Sl. sol. water, ether. Sol. alcohol. Uses—medicine, indicator in analyses.

*Calco Chem Div, Bound Brook, N J
Duso Chem Co, Fulton St, Poughkeepsie, N Y
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*H Kohnstamm & Co, 83 Park Pl, N Y 7
Republic Chem Corp, 94 Beekman St, N Y 38

FLUORITE see Fluorspar

FLUOROL see Sodium Fluoride

FLUORSPAR (Calcium Fluoride, Derbyshire Spar, Fluor, Fluorite, Florspar, Stilicеous Sinter)

CaF_2. Varying color. Hardness 4. Sp. gr. 3.15-3.18. M.P. 1650°F. Sol. concentrated acids. Uses—mfr. hydrofluoric acid, fluorine fluorides, chinaware, enameled ware, stoneware, carbon electrodes; in preserving wood; etching glass; lessening consumption of fuel in cement kilns; as cement ingredient; general metallurgical flux in iron, brass, steel, antimony, lead, aluminum, gold, silver, copper, ferrosilicon and ferromanganese metallurgy; binder and adhesive in making abrasives, emery wheels, etc.; in medicine. Grades—powdered; lump; gravel; 80, 90, 95, 98% CaF_2.

*Aluminum Co of America, 670-Dept 16, Gulf Bldg, Pittsburgh 19, Pa
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
H W Gould & Co, 1100 Mills Tower, San Francisco 4, Cal
K F Griffiths & Co, 280 Madison Ave, N Y 16
Hummel Chem Co, 90 West St, N Y 6
International Selling Corp, 70 Pine St, N Y 5
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill

FLUORSPAR (Calcium Fluoride, Derbyshire Spar, Fluor, Fluorite, Florspar, Stilicеous Sinter), continued

*Lewis Co, 232 Canal St, N Y 13
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
*Metallurg Inc, 100 Park Ave, N Y 17
Nardini Co, 15 Moore St, N Y 4
*Ozark-Mahoning Co, P O Box 449, Tulsa 1, Okla
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

FLUOROETHANOL

American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Bios Labs, 17 W 60 St, N Y 23

FLUXES

Products used to remove the metallic oxides (rust) from the surface of metals before soldering or welding to provide a clear, clean surface for the bond.

American Firstoline Corp, 420 Lexington Ave, N Y
*E I Du Pont de Nemours & Co, Electrochem Dept & Grasselli Chem Dept, Wilmington 98, Del
*Foundry Services, 280 Madison Ave, N Y 16
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Johns-Manville, 22 E 40 St, N Y 16
*Linick Chem Co, 29 E Madison St, Chicago, Ill
*Mason Color & Chem Works, 206 Broadway, E Liverpool, Ohio
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
*Warwick Chem Co Div, Wood River Junction, R I

FLUXES, FOUNDRY

*American-British Chem Supplies, 180 Madison Ave, N Y
Faesy & Besthoff, 325 Spring St, N Y 13
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md

FLUXES, SOLDERING

*Aluminum Co of America, 670-Dept 16, Gulf Bldg, Pittsburgh 19, Pa
*Geo Callahan & Co, Closter, N J
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill
*T B Hagstoz & Son, 709 Sansom St, Phila 6, Pa
*Industrial Service Labs, 710 W National Ave, Milwaukee 4, Wis
*Jordan Co, 51 St & Merrimac Ave, Chicago 38, Ill
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*Morris P Kirk & Son, 2717 S Indiana St, Los Angeles, Cal
L J & M La Place, Leliarts Lane, E Paterson, N J
*Linde Air Products Co, 30 E 42 St, N Y 17
*Linick Chem Co, 29 E Madison St, Chicago, Ill
*London Chem Co, 325 W 32 St, Chicago, Ill
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
*Reade Mfg Co, 135 Hoboken Ave, Jersey City 2, N J
*Ruby Chem Co, 68-70 McDowell St, Columbus, Ohio

FLUXES, WELDING

Welding fluxes in the form of powd. are used in welding certain metals. In general, the purposes of fluxes are as follows:—1. To float all impurities to the surface of the molten metal; 2. To cleanse the weld by chemical action; 3. To protect the molten metal against oxidation by contact with the air, and to dissolve any

ANTARA®
SURFACTANTS

DETERGENTS
—non-ionic, anionic and cationic liquids and powders

EMULSIFIERS
—non-ionic and anionic liquids and powders

DISPERSANTS
—non-ionic and anionic liquids and powders

WETTING AGENTS
—non-ionic and anionic liquids and powders

FOAMING AGENTS
—non-ionic and anionic liquids and powders

• • •

ANTARA PRODUCTS
DIVISION OF
GENERAL DYESTUFF CORPORATION
435 HUDSON STREET • NEW YORK 14, N. Y.

FLUXES, WELDING, continued

oxide that may have existed in the metal at the weld; 4. To aid fusion, between the molten metal from the filler rod and the metal being welded. In the welding of steel castings, plates and wrought iron, no flux is required ordinarily, but the use of the proper flux when welding with cast iron, bronze, brass, copper and aluminum is essential only from the standpoint of weld quality, but is economical in speeding up the rate of welding.

*Aluminum Co of America, 670-Dept 16, Gulf Bldg, Pittsburgh 19, Pa
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill
*Metallurg Inc, 100 Park Ave, N Y 17
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa

FOAMING AGENTS

Preps. employed to produce a stable foam or lather. Uses—in mfr. of lathering soapless shampoos; increasing foam in tooth pastes, shaving creams, etc.

*Alrose Chem Co, 180 Mill St, Cranston 5, R I
*Aluminum Co of America, 670-Dept 16, Gulf Bldg, Pittsburgh, 19, Pa
Antara Products Div, 435 Hudson St, N Y 14
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*E Berghausen Chem Co, 4538 W Mitchell Ave, Cincinnati 32, Ohio
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Ciba Co, 627 Greenwich St, N Y 14
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*B L Lemke & Co, 199 Main St, Lodi, N J
M Michel & Co, 90 Broad St, N Y 4
*National Aniline Div, 40 Rector St, N Y 6
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

*Company classifies itself as manufacturer or producer of this product

Celanese
CHEMICALS

FORMALDEHYDE

PARAFORMALDEHYDE
ACETALDEHYDE
FORMCEL*
(Formaldehyde in Alcohol)

ACETALS KETONES
ACIDS OXIDES
ALCOHOLS PLASTICIZERS
SOLVENTS

See Celanese Advertisement in Catalog Section

CELANESE CORPORATION OF AMERICA
Chemical Division, Dept. 511
180 Madison Avenue, New York 16

District Sales Representation:
NEW YORK • BOSTON • CHICAGO • DETROIT
SAN FRANCISCO • BISHOP, TEXAS

*REG. U. S. PAT. OFF.

BISULFATE OF SODA
DETERGENT SILICATES
FORMALDEHYDE • CRESYLIC ACID
SODIUM FLUOSILICATE

RN

TEL: MURRAY HILL 7-7267
CABLE: RICNELCHEM, N. Y.

RICHES-NELSON, INC.
Chemicals and Allied Products
342 MADISON AVENUE NEW YORK 17, N. Y.

FOAMING AGENTS, continued

*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Pennsylvania Detergents Co, 2238 N Phillip St, Phila 33, Pa
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

FOOL'S GOLD see Pyrites

FORMAL see Methylal

FORMALDEHYDE (Formalin, Formic Aldehyde, Formol, Formalith, Oxymethylene, Methyl Aldehyde, Adorin, Aldoform, Formitrol, Formolyptyol, Festoform, Preservaline, Methanal, Methylene Oxide)

HCOH. Colorless liq.; suffocating, pungent odor. Sp. gr. 1.075-1081. B.P. (gas) —21°C. Miscible water, alcohol. Uses—mfr. intermediates, pharmaceuticals, formals, formic acid, urea, hydrosulfite derivatives,

FORMALDEHYDE, continued

acetaldehyde, paraformaldehyde, hexamethylenetetramine, triphenylamethane, anthracene and quinolin dyes, auramine, acridine, synthetic resins with phenol cresol and urea, explosives, synthetized gum and resin lacquers, rayon and cellulose esters, disinfectant soaps, dextrins, starches, embalming fluids, adhesives, beer; as deodorant, disinfectant aniseptic; preservative in meats, milk, foods, rubber latex, sugar syrups, vinous liquors, biological specimens; gelatinizing agent for nitro-cotton; reducing agent in gold and silver recovery; hardening agent in making gelatin photographic plates and papers; developing agent with hydroquinone; insolubilizing agent in casein plastics; disinfectant in water and sanitation; ingredient of various pharmaceutical preps.; yeast stimulant; as fungicide, larvacide and in treating various plant diseases, such as stinking smut on wheat; in silvering mirrors; coagulating latex; water-proofing fabrics; dyeing and mordanting textiles; bleaching and weighting silk; stiffening and preserving grain in leather; tanning leather; waterproofing paper by means of gelatine and glue impregnation; waterproofing straw hats; fixing hair on furs; toning gelatine chloride papers; in ceramic, laundry, and fertilizer industries; therapeutic preps. from wood. tar. oils; insect stinn remedies; in medicine. Grades—C.P.; U.S.P.; 40% by volume solution formaldehyde gas in water.

J C Ackerman Co, Penn-Lincoln Hotel, Pittsburgh 21, Pa
Adams-Henry Chem Co, 32 Broadway, N Y 4
*American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barada & Page, Guinotta & Mich Ave, Kansas City 1, Mo
Bergstrom Trading Co, 233 Broadway, N Y
*Borden Co, 350 Madison Ave, N Y 17
Braun Corp, 2260 E 15 St, Los Angeles 21, Cal
F M Browning Co, 150 Broadway, N Y 38
*Celanese Corp of America, 180 Madison Ave, N Y
Chem Mfg Co, 21 West St, N Y 6
Chem Service Corp, 82 Beaver St, N Y 5
Chem Supply Co, 302 Railroad St, Neenah Wis
John A Chew, 60 E 42 St, N Y 17
*Cities Service Oil Co, Masonic-Empire Bldg, Bartlesville, Okla
C B Coburn Co, 63 Market St, Lowell, Mass
*Commercial Solvents Corp, 17 E 42 St, N Y 17
Conray Products, 510 6 Ave, N Y 11
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Faesy & Besthoff, 325 Spring St, N Y 13
Failek Products Co, 163 Broadway, N Y6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Wm S Gray & Co, 342 Madison Ave, N Y 17
Hachik Bleach Co, 50 & Wynnefield Ave, Phila, Pa
Hampden Color & Chem Co, 8 Albany St, Springfield, Mass
Harwick Chem, First National Bank Bldg, Butler, Mo
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Philip A Houghton, 30 Huntington Ave, Boston, Mass
Philip A Hunt Co, Palisades Park, N J
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Kay-Fries Chem, 180 Madison Ave, N Y 16
Kingston Chem Co, 15 William St, N Y 5
L Kruger & Co, 75 West St, N Y
L J & M La Place, Lellaris Lane, E Paterson, N J
Legion Chem, 70 Wall St, N Y 5
Lewis Co, 232 Canal St, N Y 13
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
George Mann & Co, 251 Fox Point Blvd, Providence, R I
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
*Monsanto Chem Co, Plastics Div, Springfield, Mass

Heyden
FORMALDEHYDE
N.F. SOLUTION and 37% METHANOL-FREE SOLUTION

Finest quality and uniformity assured through strict laboratory control. Available in tank cars, trucks, drums, carboys and bottles. Methanol-Free in tanks only.

PARAFORMALDEHYDE
(Powder, Flo Granules, Granules)

Minimum assay 95%. Meets U.S.P. and photographic grade requirements.

HEXAMETHYLENETETRAMINE
U.S.P. and TECHNICAL (Granular and Powder)

Serving the pharmaceutical, plastics and chemical industries.

FINE HEYDEN CHEMICALS

HEYDEN CHEMICAL CORPORATION
393 SEVENTH AVENUE • NEW YORK 1, N. Y.
CHICAGO • PHILADELPHIA • SAN FRANCISCO • DETROIT • PROVIDENCE

*Company classifies itself as manufacturer or producer of this product

FORMALDEHYDE, continued

Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*Ninol Labs, 1719 S Clinton St, Chicago 16, Ill
Overseas Trading Corp, 420 Lexington Ave, N Y 17
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Prentiss Drug & Chem Co, 110 William St, N Y 38
Products Trading Corp, 1775 Broadway, N Y 19
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Scholle Chem Corp, 6641 Ridge Ave, Chicago 26, Ill
Seaboard Industries, 195 Keen St, Paterson, N J
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Shapiro & Novick, 60 Broad St, N Y 4
Siegel Chem Co, 1 Hanson Place, Bklyn 17, N Y
*Solvay Sales Div, 40 Rector St, N Y 6
*Spencer Chem Co, 610 Dwight Bldg, Kansas City 6, Mo
J U Starkweather Co, 241 Allens Ave, Providence, R I
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
George Uhe Co, 76 9 Ave, N Y 14
Warren-Douglas Chem, 1531 Burt St, Omaha 2, Neb
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
*Watson-Park Co, Ballardvale, Mass

TAM
ZIRCONIUM & TITANIUM PRODUCTS
Registered U. S. Pat. Off.

*TAM *Zirconite Flours

have a high resistance to "burn in", thereby reducing cleaning costs and producing smooth castings.

*Registered Trade Mark

TITANIUM ALLOY MANUFACTURING DIVISION
NATIONAL LEAD COMPANY

Office: 111 Broadway, N. Y. C. Plant: Niagara Falls, N. Y.

For other products and services see our ads in Catalog Section

FORMALIN see Formaldehyde

FORMALITH see Formaldehyde

FORMAMIDE

$HCONH_2$. M.W. 45.1. Heavy, colorless, odorless, hygroscopic liq. Decomp. at B.P. (19°C); F.P. 2.55°C. Uses—solvent and substitute for glycerine; prod. of resins, formic acid and hydrogen cyanide.

FORMANILIDE

C_6H_5NCHO. Colorless to yellow crystalline. Solid. Sp. gr. 1.112 (60°C). M.P. 46°C. B.P. 271°C. Sol. water, ether. Uses—mfr. intermediates, organic chemicals; in medicine.

FORMIC ALDEHYDE see Formaldehyde

o-FORMIC ESTER see Triethyl o-Formate

FORMIC ESTER, NORMAL see Amyl Formate

FORMIC ETHER see Ethyl Formate

FORMIN see Hexamethylenetetramine

FORMITROL see Formaldehyde

FORMOL see Formaldehyde

FORMOLYPTYOL see Formaldehyde

FORMONITRILE see Acid, Hydrocyanic

FORMYL TRICHLORIDE see Chloroform

FORMYL TRIODIDE see Iodoform

FOSSIL FLOUR—see also Diatomaceous Earth

For uses see Diatomaceous Earth. Grades—tech.; U.S.P.

Charles B Chrystal Co, 53 Park Pl, N Y 7
L A Salomon & Bro, 216 Pearl St, N Y 38
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

FOSSOLIN see Petrolatum

FOUNDRY CORE WASH

Clay, charcoal, graphite, etc., washes applied to foundry cores before using. Employed in any place where a strong bond is required.

*American-British Chem Supplies, 180 Madison Ave, N Y
Buckingham Products Co, 14100 Fullerton Ave, Detroit 27, Mich
J S McCormick Co, 25 St, Pittsburgh 22, Pa
*Mineralite Sales Corp, 90 Pine St, N Y 5
*National Aniline Div, 40 Rector St, N Y 6
*Frederick B Stevens, 1800 18 St, Detroit, Mich
*Superior Flake Graphite Co, 33 S Clark St, Chicago 3, Ill
A T Wagner Co, 2720 Wight St, Detroit 7, Mich

DU PONT
REG. U.S. PAT. OFF.

FORMALDEHYDE
N. F. and LOW METHANOL, 37%
PARAFORMALDEHYDE
HEXAMETHYLENETETRAMINE
U.S.P. and TECHNICAL

E. I. DU PONT DE NEMOURS & CO. (INC.)
ELECTROCHEMICALS DEPARTMENT
WILMINGTON · DELAWARE

FOUNDRY FACING

A graphite product used on the surfaces of sand and similar type molds to provide clean and smooth cleavage between mold and casting surfaces.

*American-British Chem Supplies, 180 Madison Ave, N Y
*Asbury Graphite Mills, Warren Co, Asbury, N J
Buckingham Products Co, 14100 Fullerton Ave, Detroit 27, Mich
*Cohutta Talc Co, Box 363, Dalton, Ga
*Donald Sales & Mfg Co, 6601 W State St, Milwaukee 13, Wis
J S McCormick Co, 25 St, Pittsburgh 22, Pa
Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Frederick B Stevens, 1800 18 St, Detroit, Mich
*Superior Flake Graphite Co, 33 S Clark St, Chicago 3, Ill

FOUNDRY FLOUR

*Composition Materials Co, 23 W 44 St, N Y
J S McCormick Co, 25 St, Pittsburgh 22, Pa
*Orefraction, Inc, 7425 Thomas St, Pittsburgh, Pa

FOUNDRY PARTING COMPOUNDS

Products used at the joint or place where the parts of the foundry mold are to separate to prevent them from sticking to each other. Should be free from any substance that draws or retains moisture.

*Acheson Colloids Corp, 1635 Washington Ave, Port Huron, Mich
*American-British Chem Supplies, 180 Madison Ave, N Y
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
Buckingham Products Co, 14100 Fullerton Ave, Detroit 27, Mich
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
*Dow Corning Corp, Midland, Mich
J S McCormick Co, 25 St, Pittsburgh 22, Pa
*Superior Flake Graphite Co, 33 S Clark St, Chicago 3, Ill
A T Wagner Co, 2720 Wight St, Detroit 7, Mich

FOUNDRY SAND

Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Orefraction, Inc, 7425 Thomas St, Pittsburgh, Pa

FRANKFORT BLACK see Drop Black

FRANKINCENSE see Gum, Thus

FRAUDE'S REAGENT see Acid, Perchloric

FRENCH SAFFRON see Saffron, Spanish

FRITS, CERAMIC GLAZE

Specially prepared glasses, made by fusing together, various constituents of a glaze (usually alkali oxide or carbonate with some form of silica or clay) used to impart a gloss surface to ceramic ware.

*Dow Chem Co, Midland, Mich

FRUCTOSE see Levulose

FRUIT SUGAR see Levulose

FULLER'S EARTH

Uses—refining of petroleum products, edible oils, fats, greases, etc.; as general decolorizing, deodorizing and clarifying medium; in pigments for printing wall paper; detecting coloring matter in foods, cosmetics; substitute for talcum powd.; paint pigments; for domestic purposes; bleaching and cleansing cloth, scouring yarns and washing woolens; polishing medium; as filler for rubber, poultices. Grades—lump; powdered; English domestic; also various as to use.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*Attapulgus Clay Co, 210 W Washington Sq, Phila, Pa
Barclay Chem Co, 75 Varick St, N Y
John A Chew, 60 E 42 St, N Y 17
Charles B Chrystal Co, 53 Park Pl, N Y 7
Dalton-Cooper, 200 W 34 St, N Y

*Company classifies itself as manufacturer or producer of this product

Granular and fine grade
FULLERS EARTH

Consult the largest producer and marketer of true adsorbent-type Fullers Earth about decolorization and refining of Mineral, Animal and Vegetable Oils; Catalysts and Carriers for organic and particularly hydrocarbon reactions; Animal Bedding; Dry Cleaner Powders; Fillers, etc. Technical and process assistance, samples and information are supplied without obligation.

ATTAPULGUS CLAY COMPANY
210 West Washington Square, Philadelphia 5, Pa.
Cable Address: "ATTACLAYCO"

FLOREX

Highest quality Fullers Earth, produced by America's oldest manufacturer. Granular and fine particle sizes to specification. Adsorptive capacity greatly increased by Floridin high-pressure extrusion process. Effective for all adsorbent purposes, including decolorization, clarification, neutralization, desiccation, extraction, catalysis, diluent and other uses. Adsorption problems welcomed by competent technical staff. Samples available.

FLORIDIN COMPANY
DEPT. L, 220 LIBERTY ST.
WARREN, PA.

FULLERS EARTH, continued

Dickerson Co, Drexel Bldg, Phila 6, Pa
*Floridin Co, 200 Liberty St, Warren, Pa
*Gen Reduction Co, 1820 Roscoe St, Chicago 13, Ill
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Hammill & Gillespie, 225 Broadway, N Y 7
Innis, Speiden & Co, 117 Liberty St, N Y 6
Enos F Jones Chem Co, 14 Florence St, Jersey City 4, N J
King Chem Co, 31 New Haven Railroad St, Mt Vernon, N Y
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Merchants Chem Co, 60 E 42 St, N Y 17
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Republic Chem Corp, 94 Beekman St N Y 38
L A Salomon & Bro, 216 Pearl St, N Y 38
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

FULLING COMPOUNDS

Products (usually a specialized soap and additional substances) used in the wool fulling process to swell or increase the body of the fibre and its pliability, so as to make it more workable.

*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Foster Finishing Products Co, Hope St & Montgomery Ave, Phila, Pa
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*National Aniline Div, 40 Rector St, N Y 6
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Warwick Chem Co Div, Wood River Junction, R I
*Ultra Chem Works, 2 Wood St, Paterson 4, N J

FUMIGANTS

Substances used to produce vapors which destroy insects, rodents, etc. More common are: hydrocyanic acid, calcium cyanide, sodium cyanide, chloropicrin, sulfur dioxide, ethylene oxide, trichlorethylene, carbon bisulfide, para-dichlorbenzene, sulfur, nicotine, formaldehyde, carbon, tetrachloride, ethylene dichloride, methyl formate, ethyl formate, methyl bromide, naphthalene, etc. See also specific chemicals.

*American-British Chem Supplies, 180 Madison Ave, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*Dow Chem Co, Midland, Mich

FUMIGANTS, continued

E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Eston Chem, 3100 E 26 St, Los Angeles, Cal
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Innis, Speiden & Co, 117 Liberty St, N Y 6
*Kay-Fries Chem, 180 Madison Ave, N Y 16
McKesson & Robbins, 155 E 44 St, N Y 17
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
Pearson Ferguson Chem Co, 1400 Union Ave, Kansas City, Mo
Riverdale Chem Co, 324 E 147 St, Harvey, Ill
*Bernard Sirotta Co, 621 Smith St, Bklyn 31, N Y
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Warren-Douglas Chem, 1513 Burt St, Omaha 2, Neb
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*Wheeler Reynolds & Stauffer, 636 California St, San Francisco 8, Cal

FUNGICIDES, COPPER

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
W R E Andrews Sales, 1505 Race St, Phila Pa
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Chipman Chem Co, Bound Brook, N J
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Leffingwell Chem Co, P O Box 191, Whittier, Cal
*B L Lemke & Co, 199 Main St, Lodi, N J
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
Mich Chem Corp, 500 N Bankson St, St Louis, Mich
Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Mtn Copper Co, 216 Pine St, San Francisco 4, Cal
*Ninol Labs, 1719 S Clinton St, Chicago 16, Ill
Nitrogen Products, 450 7 Ave, N Y 1
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
Pearson Ferguson Chem Co, 1400 Union Ave, Kansas City, Mo
*Riverdale Chem Co, 324 E 147 St, Harvey, Ill
*Rohm & Haas Co Washington Sq, Phila 5, Pa
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Scientific Oil Compounding Co, 1637 S Kilbourn Ave, Chicago 23, Ill
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
*Tennessee Corp, 619 Grant Bldg, Atlanta, Ga
Tobacco By-Products & Chem Corp, 401 E Main St, Richmond, Va
R T Vanderbilt Co, 230 Park Ave, N Y
*Warwick Chem Co Div, Wood River Junction, R I
*Witco Chem Co, 295 Madison Ave, N Y 17

FUNGICIDES, GARDEN

Specialized preps, for the control of fungus growth on flowers and vegetables.

*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Miller Products Co, Ft of S W Caruthers St, Portland 1, Ore
Nitrogen Products, 450 7 Ave, N Y 1
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Pittsburgh Plate Glass Co, Corona Chem Div, 235 E Pittsburgh Ave, Milwaukee, Wis
*Riverdale Chem Co, 324 E 147 St, Harvey, Ill
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Wm M Stieh & Co, 20 Vesey St, N Y 7
Tobacco By-Products & Chem Corp, 401 E Main St, Richmond, Va
R T Vanderbilt Co, 230 Park Ave, N Y
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*World Spray Co, 4609 Avalon Blvd, Los Angeles, Cal
Zehrung Chem Co, 2201 N W 20 Ave, Portland 9, Ore

FUNGICIDES, LEATHER

Antara Products Div, 435 Hudson St, N Y 14
*Buckman Labs, Memphis, Tenn
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Chemiseal Co, 9516 Burnette, Detroit 4, Mich
*Ciba Co, 627 Greenwich St, N Y 14
*Cuprinol Div, Simsbury, Conn
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Fiber Chem Corp, Box 218, Matawan, N J
Merchants Chem Co, 60 E 42 St, N Y 17
M Michel & Co, 90 Broad St, N Y 4
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Ottawa Chem Co, 819-823 Hamilton St, Toledo 7, Ohio
*Rodgers Labs, 4135 S 6 St, Milwaukee 15, Wis
*Sindar Corp, 330 W 42 St, N Y 18
*Wm M Stieh & Co, 20 Vesey St, N Y 7
R T Vanderbilt Co, 230 Park Ave, N Y

THE NUODEX FUNGICIDES

A *COMPLETE* LINE OF PRESERVATIVE CONCENTRATES TO MEET GOVERNMENT SPECIFICATIONS OR PROVIDE IN-PROCESS PROTECTION, IN-USE PROTECTION, SALES PLUS FEATURES FOR

WOOD • CORDAGE • TEXTILES
LEATHER • PROTECTIVE COATINGS

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NUODEX PRODUCTS CO., INC.
ELIZABETH F, NEW JERSEY



*Company classifies itself as manufacturer or producer of this product

FUNGICIDES, LUMBER

*Barret Div, 40 Rector St, N Y 6
Braun Knecht Heimann Co, 1400 16 St, San Francisco, Cal
*Chapman Chem Co, 707 Dermon Bldg, Memphis, Tenn
*Cuprinol Div, Simsbury, Conn
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Merchants Chem Co, 60 E 42 St, N Y 17
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis, Mo
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Rodgers Labs, 4135 S 6 St, Milwaukee 15, Wis
*Wm M Stieh & Co, 20 Vesey St, N Y 7
R T Vanderbilt Co, 230 Park Ave, N Y

FUNGICIDES, SEED

Preps. used to treat seed to prevent various harmful fungus growths; to increase germination and growth of seedlings by permitting the stored plant food in the seed to be fully used by the plants.

*Archem Corp, Box 69, Crete, Neb
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Chipman Chem Co, Bound Brook, N J
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
Fresno Agric Chem Co, P O Box 1286, Fresno, Cal
*Heyden Chem Corp, 290-300 River Drive, Garfield, N J
McKesson & Robbins, 155 E 44 St, N Y 17
*Mtn Copper Co, 216 Pine St, San Francisco 4, Cal
*Naugatuck Chem, Naugatuck, Conn
Nitrogen Products, 450 7 Ave, N Y 1
*Riverdale Chem Co, 324 E 147 St, Harvey, Ill
*Wm M Stieh & Co, 20 Vesey St, N Y 7
R T Vanderbilt Co, 230 Park Ave, N Y

FUNGICIDES, TEXTILE

Antara Products Div, 435 Hudson St, N Y 14
*Archem Corp, Box 69, Crete, Neb
*Buckman Labs, Memphis, Tenn
*Cidex Corp, 85 Franklin St, Jersey City, N J
*Cuprinol Div, Simsbury, Conn
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Grasselli Chem Dept & Organic Chem Dept, Fine Chem Div, Wilmington, Del
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Merchants Chem Co, 60 E 42 St, N Y 17
M Michel & Co, 90 Broad St, N Y 4
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Ottawa Chem Co, 819-823 Hamilton St, Toledo 7, Ohio
*Rodgers Labs, 4135 S 6 St, Milwaukee 15, Wis
*Scientific Oil Compounding Co, 1637 S Kilbourn Ave, Chicago 23, Ill
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Sindar Corp, 330 W 42 St, N Y 18
*Wm M Stieh & Co, 20 Vesey St, N Y 7
R T Vanderbilt Co, 230 Park Ave, N Y
*Warwick Chem Co Div, Wood River Junction, R I
*Witco Chem Co, 295 Madison Ave, N Y 17

FUNGICIDES, TREES

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Naugatuck Chem, Naugatuck, Conn
*Pittsburgh Plate Glass Co, Corona Chem Div, 235 E Pittsburgh Ave, Milwaukee, Wis
*Riverdale Chem Co, 324 E 147 St, Harvey, Ill
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
*Wm M Stieh & Co, 20 Vesey St, N Y 7
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

FUNGICIDES, TURF

Preps. used on golf greens and fine lawns to prevent and cure brown patch, etc.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
McKesson & Robbins, 155 E 44 St, N Y 17
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Nitrogen Products, 450 7 Ave, N Y 1
*Riverdale Chem Co, 324 E 147 St, Harvey, Ill
*Wm M Stieh & Co, 20 Vesey St, N Y 7
R T Vanderbilt Co, 230 Park Ave, N Y
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

FURAN (Furfuran, Fetrol)

C_4H_4O. M.W. 68.05. A colorless liq. B.P. 31°C. Miscible alcohol, ether; insol. water.

*Bios Labs, 17 W 60 St, N Y 23
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal

FURFANCARBONAL see Furfural

FURFURAL (Furfuraldehyde, Furol, Artificial Oil of Ants, Furfurol, Furfuranecarboxylic Aldehyde, Pyromucic Aldehyde, Furfuryl Aldehyde, Furfancarbonal)

C_4H_3O-CHO. M.W. 96.03. Colorless liq., turning to dark amber upon exposure. Characteristic penetrating odor. Sp. gr. (tech.) 1.159-1.161 (at 20°C); (ref.) 1.160-1.161. B.P. 160-162°C. M.P. —38.5°C. Sol. alcohol, benzene. Solvent uses—purification of mineral oils, wood rosin, anthracene; synth. resins, textile industry, shoe dyes, paint and varnish remover, varnish gums, lacquer formulation. Biological—fungicides, bactericides, preservatives, tree wound dressing, fly repellents. Aldehyde—resins, tanning (leather, glue, and casein), mfr. of furan compounds, flotation agents. Cont.—drums (45, 90, 500 lbs.); bottles (½ lb.). Tariff, 25%.

J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Phillips & Jacobs, 620-22 Race St, Phila, Pa
*Quaker Oats Co, 341 Merchandise Mart Plaza, Chicago 54, Ill
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

FURFURALDEHYDE see Furfural

FURFURANECARBOXYLIC ALDEHYDE see Furfural

FURFUROL see Furfural

FURFURYL ALDEHYDE see Furfural

FUROL see Furfural

FURYL CARBINOL see Alcohol, Furfuryl

FUSTIC

Natural yellow dyewoods which are usually used with metallic mordants as chromium or tin.

*American Dyewood Co, 285 Madison Ave, N Y
*Bernard Color & Chem Corp, 335 Hudson St, N Y
Gen Dyestuff Corp, 435 Hudson St, N Y 14
F J Heap & Son, 65 High St, Boston, Mass

G SALT (Sodium Beta-Naphthol-6:8 Disulfonic Acid)

$C_{10}H_5OH(SO_3Na)_2$. White needles. Sol. water; insol. alcohol, ether. Uses—mfr. azo dyes, intermediates. Grades—tech.; paste; powd.

Antara Products Div, 435 Hudson St, N Y 14
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

GALL EXTRACT (Nutgall Extract)

Extracts made from nutgalls. Uses—mfr. black inks; mordant in dyeing and printing textiles; tanning leather. Grades—liq.

Rosenthal-Bercow Co, 25 E 26 St, N Y 10

GALLA see Nutgalls

GALLIUM (Metal)

Ga; at. wt. 69.72; at no 31; valence 3; discovered by Boisbaudron in 1895. Gray brittle, hard, lustrous, tough, sl. malleable metal; greenish-blue reflection; silver-white when melted and remains liq. for weeks. Sp. gr. 5.9; M.P. 29.7°C. Boils above 1600°C; sol. in dil. HCl or in NaOH with evolution of hydrogen; slowly attacked by hot dil. nitric acid. It is used instead of mercury in thermometers.

*Aluminum Co of America, Gulf Bldg, Pittsburgh, Pa
*Anaconda Copper Mining Co, 25 Broadway, N Y 4
*Bios Labs, 17 W 60 St, N Y 23
City Chem Corp, 132 W 22 St, N Y 11
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J

GALLOFORMIN see Hexamethylenetetramine

GALLS, see Nutgalls

ACTIVATED ALUMINAS
CALCINED ALUMINAS
LOW SODA ALUMINAS
TABULAR ALUMINAS
HYDRATED ALUMINAS
ALUMINUM FLUORIDE
SODIUM ACID FLUORIDE

ALCOA CHEMICALS

SODIUM FLUORIDE
FLUOBORIC ACID
CRYOLITE
GALLIUM

ALUMINUM COMPANY OF AMERICA
CHEMICALS DIVISION
608 Gulf Building
Pittsburgh 19, Pa.

GAMBIER see Cutch

GAMBIR (Gambier, Pale Catechu, Gum Gambir)

Dried leaves and twigs extract of Ouroupuria or Uncaria gambir. Odorless, brown powd. Insol. water, sol. alcohol. Uses—Astringent; tanning material; boiler compounds; pharmaceuticals; calico printing.

Academy Mfg Drug Corp, 544 E 171 St, N Y 57
*American Dyewood Co, 285 Madison Ave, N Y
*Bernard Color & Chem Corp, 335 Hudson St, N Y

GARNET LAC see Shellac

GAS BLACK see Carbon Black

GAS, OLEFIANT see Ethylene

GASES, LABORATORY

Industrial, rare, and medicinal gases supplied in small-size containers; also gases, such as hydrogen sulfide used in analytical work and supplied in industrial containers, eliminating use of laboratory generator.

Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Howe & French, Mfg Dept, E Weymouth, Mass
Matheson Co, Paragon Div, E Rutherford, N J

GASES, RARE

A general term denoting the rare gases present in the atmosphere in addition to oxygen and nitrogen. See also: Argon, Krypton, Neon, etc.

*Linde Air Products Co, 30 E 42 St, N Y 17
Matheson Co, Paragon Div, E Rutherford, N J

GASES, REFRIGERATING

Various gases employed in the circulating systems of refrigerating machines, air-conditioning systems, etc. See also Refrigerants, Air-Conditioning Fluids.

*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Eston Chem, 3100 E 26 St, Los Angeles, Cal
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
*Silas & Co, 3117 W Venice Blvd, Los Angeles 19, Cal

*Company classifies itself as manufacturer or producer of this product

GELATINES

Edible and Technical

GLUES All Types

T. M. DUCHÉ & SONS, INC.

ESTABLISHED 1857

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Branches: Chicago • Boston

GASOLINE ANTI-KNOCK COMPOUNDS

Products added to gasoline to correct the tendency of a fuel to "knock" or detonate. The phenomenon known as knock, or detonation, is caused by an abnormally rapid pressure rise or explosion within the engine cylinder. This violent combustion delivers a hammer-like blow to the piston head and combustion chamber walls. Aside from the disagreeable sound produced when a fuel is knocking, a serious loss in engine power results. The anti-knock characteristics of a fuel can be improved by either adding another fuel of higher quality (alcohol, toluol, benzol, etc.), or by the addition of a knock suppressor.

*E I Du Pont de Nemours & Co, Organic Chem Dept, Petroleum Chem Div, Wilmington 98, Del
*Ethyl Corp, 100 Park Ave, N Y 17
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

GELATIN

Edible gelatin in a purified protein obtained by hydrolysis from collagen-bearing tissue of food animals. Must comply with pure food laws of the U.S. and with laws established by certain of the states. Is a typical example of a reversible colloid of the emulsoid type. Chief characteristic is ability to form a jelly when dissolved in hot water and allowed to stand until cold. Has yellowish tint and is furnished in ground form, sheets or flakes. Is sol. in hot water; insol. in alcohol, chloroform. Uses—foods, confectionery, ice cream, jellied meats and pharmaceuticals (USP). Cont.—bbls. (300 lbs.). Tariff, edible gelatine valued at less than 40c, 12½% ad valorem plus 2½c specific; 40c or over, 20% ad valorem, 7c specific.

Technical Grade A protein produced from bones, white connective tissue and skin of animals. Chief characteristic, ability to form jelly when dissolved in hot water and allowed to stand until cool. Sol. in water; insol. alcohol, chloroform. Uses—photographic, lithographic, sizing, plastic compounds and textile and paper work.

Wm M Allison & Co, 162 Water St, N Y 38
*American Agricultural Chem Co, 50 Church St, N Y 7
*Atlantic Gelatin Div, Hill St, Woburn, Mass
Bendix Chem Corp, 420 Lexington Ave, N Y

MATHESON

Headquarters for

COMPRESSED GASES

75 RARE AND COMMON GASES

IN INDUSTRIAL AND LABORATORY CYLINDERS

Acetylene
Ammonia
Argon
Boron Trichloride
Boron Trifluoride
Butadiene
Butane
Butene 1
Butene 2
Carbon Dioxide
Carbon Monoxide
Chlorine
Chlorodifluoromethane ("Freon-22")
Cyclopropane
Dichlorodifluoromethane ("Freon-12")
Dichlorofluoromethane ("Freon-21")
1,1,1, Difluorochloroethane ("Genetron 101")
Dimethylamine
Dimethyl Ether
Ethane
Ethyl Chloride
Ethylene
Ethylene Oxide
Ethylidene Fluoride ("Genetron 100")
Helium
Hydrogen
Hydrogen Bromide
Hydrogen Chloride
Hydrogen Fluoride
Hydrogen Sulfide
Isobutane
Isobutylene
Krypton
Methane
Methyl Bromide
Methyl Chloride
Methyl Mercaptan
Monoethylamine
Monomethylamine
Neon
Neopentane
Nickel Carbonyl
Nitric Oxide
Nitrogen
Nitrogen Dioxide
Nitrous Oxide
Oxygen
Phosgene
Propane
Propylene
Sulfur Dioxide
Sulfur Hexafluoride
Trichlorofluoromethane ("Freon-11")
Trimethylamine
Vinyl Bromide
Vinyl Chloride
Vinyl Methyl Ether
Xenon

CONTROL APPARATUS

Reducing valves—Needle valves

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The MATHESON Co.

East Rutherford, N. J. Joliet, Ill.

GELATIN, continued

Chem Service Corp, 82 Beaver St, N Y 5
*Colgnet Chem Co, 445 Park Ave, N Y 22
Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
Consumers Products Co, 99 Hudson St, N Y 13
*Peter Cooper Corp, Gowanda, N Y
*Delany & Co, Milnor & Cottman Sts, Tacony 35, Pa
*T M Duche & Sons, 117-119 Hudson St, N Y 13
*Thomas W Dunn Co, 340 Pearl St, N Y 38
C B Hewitt & Bros, 25 Greene St, N Y 13
Hughes Gelatin Co, 3500 St Aubin Ave, Detroit 7, Mich
H R Laist Co, 229 Rialto Bldg, San Francisco 5, Cal
J Landau Co, 221 Wooster St, N Y 12
*Madison Glue Corp, 200 W 34 St, N Y 1
McKesson & Robbins, 155 E 44 St, N Y 17
*Metropolitan Chem Co, 17 W 60 St, N Y 23
Mutchler Chem Co, 258 Broadway, N Y 7
*Nicholson & Co, 161 1 St, Cambridge 42, Mass
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Riches-Nelson, 342 Madison Ave, N Y 17
*Rosco Labs, 367 Hudson Ave, Bklyn 1, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Standard Glue Co, 338 Pearl St, N Y 38

GELBIN see Barium Chromate

GENTIAN

A bitter root. Habitat: Central and Southern Europe. Uses—in medicine; in manufacture of liqueurs.

*Meer Corp, 318 W 46 St, N Y 19
*S B Penick & Co, 50 Church St, N Y 7

GERANIOL

$C_{10}H_{18}O$. M.W. 154.20. Colorless to yellowish liq. with rose odor. B.P. 231°C. Insol. water, miscible alcohol, ether. Uses—in perfumery.

Dodge & Olcott, 180 Varick St, N Y 14
*P R Dreyer, 113 W 19 St, N Y
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*C E Ising Corp, 133-24 41 Ave, Flushing, N Y
*Geo Lueders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*Maywood Chem Works, Maywood, N J
*Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
*S B Penick & Co, 50 Church St, N Y 7
Polak & Schwartz, 667 Washington St, N Y 14
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

GERANYL ACETATE

$CH_3COOC_{10}H_{17}$. M.W. 196.22. Colorless liq. with rose odor that decomp. at 245°C. Sl. sol. water or alcohol, miscible with ether. Uses—in perfumery.

Dodge & Olcott, 180 Varick St, N Y 14
*P R Dreyer, 113 W 19 St, N Y
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Geo Lueders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
Polak & Schwartz, 667 Washington St, N Y 14
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

GERANYL BUTYRATE

$C_3H_7COOC_{10}H_{17}$. M.W. 224.33. Colorless liq.: rose-like odor. Insol. water; miscible with alcohol, ether. Uses—perfumery.

Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
Polak & Schwartz, 667 Washington St, N Y 14
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio
*Verona Chem Co, 26 Verona Ave, Newark, N J

GERANYL FORMATE

$HCOOC_{10}H_{17}$. M.W. 182.25. Colorless liq.: dry, rose-like odor. Readily hydrolyzed. Insol. water; miscible with alcohol, ether. Uses—perfumery.

Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
Polak & Schwartz, 667 Washington St, N Y 14
*Verona Chem Co, 26 Verona Ave, Newark, N J

GERANYL PROPIONATE

$C_2H_5COOC_{10}H_{17}$. M.W. 210.3. Colorless liq.: soft rose-like odor. Insol. water; miscible with alcohol, ether. Uses—perfumery.

Dodge & Olcott, 180 Varick St, N Y 14
P R Dreyer, 113 W 19 St, N Y
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Polak & Schwartz, 667 Washington St, N Y 14
*Verona Chem Co, 26 Verona Ave, Newark, N J

GERMANIUM (Metal)

Ge. Grayish-white metal. Sp. gr. 5.46; M.P. approx. 900°C. Recovered from residues from zinc refining; found in two ores—argyrodite and germanite. Uses—medicinal purposes; as high-resistance element in radio.

*Bios Labs, 17 W 60 St, N Y 23
*Fairmount Chem Co, 680 Ferry St, Newark 5, N J

GERMANIUM OXIDE (Germanium Dioxide)

GeO_2. M.W. 104.5. A white powd. Sl. sol. water; sol. acids. Uses—in the treatment of pernicious anemia.

City Chem Corp, 132 W 22 St, N Y 11
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J

GERMANTOWN BLACK see Lamp Black

GERMICIDES

*Alrose Chem Co, 180 Mill St, Cranston 5, R I
Antara Products Div, 435 Hudson St, N Y 14
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
Bendix Chem Corp, 420 Lexington Ave, N Y
Bio-Research Labs, Sta A Box 145, Berkeley, Cal
*Buckman Labs, Memphis, Tenn
*Cldex Corp, 85 Franklin St, Jersey City, N J
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Cowles Chem Co, 7016 Euclid Ave, Cleveland 3, Ohio
*Dow Chem Co, Midland, Mich
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Hysan Products Co, 932 W 38 Pl, Chicago 9, Ill
*C E Ising Corp, 133-24 41 Ave, Flushing, N Y
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Oakite Products, 46B Thames St, N Y 6
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Sindar Corp, 330 W 42 St, N Y 18
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y
*U S Sanitary Specialties Corp, 1001 S California Ave, Chicago
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*Wyandotte Chem Corp, J B Ford Div, Wyandotte, Mich

GERMICIDES, AGRICULTURAL

Preps. used to destroy harmful microbes and bacteria that attack plants. Among the more important products employed are (1) formaldehyde, (2) merthiolate, and (3) various proprietary compounds.

Antara Products Div, 435 Hudson St, N Y 14
*Archem Corp, Box 69, Crete, Neb
Bio-Research Labs, Sta A Box 145, Berkeley, Cal
*E I Du Pont de Nemours & Co Grasselli Chem Dept, Wilmington, Del
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

GIALLIOLINE see Lead Antimoniate

GIBBSITE see Aluminum Hydroxide

GILDER'S WHITING see Whiting

GILSONITE—see also Mineral Rubber

Black, brittle, lustrous mineral consisting of hydrocarbons. Sp. gr. 1.03-1.07. Sol. in carbon bisulfide, carbon tetrachloride, petroleum.

*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
*American Bitumuls Co, 200 Bush St, San Francisco 4, Cal
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
Barclay Chem Co, 75 Varick St, N Y
Bergstrom Trading Co, 233 Broadway, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
F M Browning Co, 150 Broadway, N Y 38
Chematar Inc, Exchange Pl, N Y 5
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
*Edwin R Howell, 3478 Bewick Ave, Detroit, Mich
International Selling Corp, 70 Pine St, N Y 5
Kingston Chem Co, 15 William St, N Y 5
*Emil Klemm, 1946 S Main St, Salt Lake City, Utah
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

GLAND PRODUCTS

*Fallek Products Co, 163 Broadway, N Y 6
Frederick D Keller & Son, 150 Nassau St, N Y 7
Lack Chem Co, 19 Park Pl, N Y 7
H R Laist Co, 229 Rialto Bldg, San Francisco 5, Cal
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*Silas & Co, 3117 W Venice Blvd, Los Angeles 19, Cal
*Wilson Labs, 4221 S Western Ave, Chicago 9, Ill

GLASS-MAKERS' SOAP see Manganese Dioxide

GLAUBER'S SALT see Sodium Sulfate, Crystals

GLAZES, MATT CERAMIC

Usually compounds of silicates, consisting of silica, bases, and metallic oxides, used to give rough coatings to pottery or iron ware.

L Reusche & Co, 2-6 Lister Ave, Newark 5, N J

GLASS, POWDERED see Ground Glass

GLAZING COMPOUNDS

Preps. used to set glass in either wood or steel sash; should remain soft and pliable indefinitely; should not crumble or dust; must possess good resistance to temp. changes. For suppliers see Putty, Acid-Resistant.

*Armstrong Co, 241 S Post Ave, Detroit 17, Mich
*Baker Paint & Varnish Co, 218-232 Suydam Ave, Jersey City 4, N J
*Landen Putty Works, 45 Irving St, Malden, Mass
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Riley Bros, 209 N Main St, Burlington, Iowa

GLUCINUM FLUORIDE see Beryllium Fluoride

GLUCINUM NITRATE see Beryllium Nitrate

GLUCINUM OXIDE see Beryllium Oxide

GILSONITE

SUPER SELECTS
Low Viscosity Type. M. P. 275° F. Extremely Uniform

SELECT FINES
Equal to Super Selects, except for size of pieces

GILSONITE SELECTS
Various Melting Points. 285-300-315° F.

REFINED GILSONITE SELECTS
Uniform M. P., Viscosity. 100% Clean

GILSONITE SECONDS
Uniform Dependable Economical

Allied Asphalt & Mineral Corp.
217 BROADWAY, NEW YORK 7
Factory: Dunellen, N. J.
Agents and Warehouse Stocks in Principal Centers

GILSONITE
•
Genuine Natural Product
•
Bitumen Content Greater than 99.5%
•
Clean-Screened to Size
•
Carload Shipments Direct From Utah Mines
CROWLEY TAR PRODUCTS CO., INC.
269 MADISON AVE.
NEW YORK 16, N. Y.

ZOPHAR
GILSONITE
ORE IS BOLD AND CLEAN
ALL SCREENED AT THE MINE
Melting Points 275, 300, and 330 F.
Carload shipments from Provo, Utah, L.C.L. shipments from Brooklyn Warehouse
105 YEARS
ZOPHAR MILLS, INC.
112-130 26th Street, Brooklyn 32, N. Y.

*Company classifies itself as manufacturer or producer of this product

GLUCONATES

- CALCIUM GLUCONATE
- FERROUS GLUCONATE
- ACID GLUCONIC TECH.
- MAGNESIUM GLUCONATE
- MANGANESE GLUCONATE
- SODIUM GLUCONATE
- POTASSIUM GLUCONATE
- AMMONIUM GLUCONATE TECH.

PFIZER QUALITY

PFIZER®

Manufacturing Chemists Since 1849

Chas. PFIZER & Co., Inc.

Manufacturing Chemists Since 1849

630 FLUSHING AVE., BROOKLYN 6, N. Y.
425 N. MICHIGAN AVE., CHICAGO 11, ILL.
605 THIRD ST., SAN FRANCISCO 7, CALIF.

ARGO

glucuronolactone

FORMULA $C_6H_8O_6$

MOLECULAR WT. 176

Obtainable from Chemical Division

CORN PRODUCTS REFINING CO.

17 Battery Place • New York 4, N.Y.

GLUCOSE see Corn Sugar

d-GLUCOSE see Dextrose (Anhydrous)

GLUCURONALACTONE

*Corn Products Sales Co, 17 Battery Pl, N Y 4

GLUCONATES see advertisements on this page and individual listings

GLUE, BONE

Animal glue made wholly from bones.

*Anderson Trading Corp, 66 Beaver St, N Y 44
*Arabol Mfg Co, 110 E 42 St, N Y 17
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
C B Coburn Co, 63 Market St, Lowell, Mass
*Coignet Chem Co, 445 Park Ave, N Y 22
*Darling & Co, 4204 S Ashland Ave, Chicago 9, Ill
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
T M Duche & Sons, 117-119 Hudson St, N Y 13
Oskar Eismann, 6059 71 St, Maspeth, L I, N Y
K F Griffiths & Co, 280 Madison Ave, N Y 16
C B Hewitt & Bros, 25 Greene St, N Y 13
J Landau Co, 221 Wooster St, N Y 12
Lundt & Co, 24 State St, N Y 4
*Nicholson & Co, 161 1 St, Cambridge 42, Mass
Paisley Products, 630 W 51 St, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Standard Glue Co, 338 Pearl St, N Y 38
*Stein, Hall & Co, 285 Madison Ave, N Y 17
United Paste & Glue Corp, 40-42 Renwick St, N Y 13

GLUE, CAN

Specialized glues used to attach spot labels to tin cans and other metal containers; should possess unusual adhesive strength, should not wrinkle or discolor paper labels, should act properly in cold weather, resist sweating of metal containers when removed from a refrigerator to a warm, humid room, should not be affected by process in which the cans are sterilized after the labels are applied; should be waterproof.

*Arabol Mfg Co, 110 E 42 St, N Y 17
*Hughes Glue Co, 3500 St Aubin Ave, Detroit 7, Mich
*Industrial Chem Specialties Co, P O Box 456, Baytown, Tex
*Paisley Products, 630 W 51 St, N Y 19
*Rogers Isinglass & Glue Co, 210 Eastern Ave, Gloucester, Mass
*Standard Glue Co, 338 Pearl St, N Y 38
*Stein, Hall & Co, 285 Madison Ave, N Y 17
*Union Paste Co, 1605 Hyde Park Ave, Hyde Park 36, Mass

GLUE, CASEIN

Specially formulated products produced usually from casein with sodium bicarbonate or borax, or alum, etc., water and a mold preventive, and used in the place of glue as a general adhesive.

*A Adler & Son, 1041 Front St, Phila 23, Pa
*American-Marietta Co, 3400 13 Ave S W, Seattle 4, Wash
*Arabol Mfg Co, 110 E 42 St, N Y 17
*Borden Co, 350 Madison Ave, N Y 17
*Corn Belt Adhesives, 815 22 Ave, Council Bluffs, Iowa
Paul A Dunkel & Co, 1 Wall St, N Y 5
Thomas W Dunn Co, 340 Pearl St, N Y 38
*Franklin Glue Co, 119 W Chestnut St, Columbus 15, Ohio
C B Hewitt & Bros, 25 Greene St, N Y 13
*Hughes Glue Co, 3500 St Aubin Ave, Detroit 7, Mich
*Kepec Chem Corp, 1454 N 4 St, Milwaukee, Wis
*Monsanto Chem Co, Plastics Div, Springfield, Mass

GLUE, CASEIN, continued

*Monsanto Chem Co, Western Div, 911 Western Ave, Seattle, Wash
*National Casein Sales, 601-619 W 80 St, Chicago 20, Ill
*Nicholson & Co, 161 1 St, Cambridge 42, Mass
*Paisley Products, 630 W 51 St, N Y 19
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Stein, Hall & Co, 285 Madison Ave, N Y 17
*Union Paste Co, 1605 Hyde Park Ave, Hyde Park 36, Mass

GLUE, FISH

Products prepared by boiling fish waste with water, separating off the oil and concentrating the glue liquor until, on cooling, a brownish, heavy, syrupy mass is formed. Uses—as an adhesive in a variety of fields, particularly the preps. of upper dressings for shoes, in bottom finishes, and in the mfr. of inks.

*American Writing Ink Co, 15 Hathaway St, Boston 10, Mass
*Arabol Mfg Co, 110 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
Harry Dixon & Sons, 250 Park Ave, N Y 17
Thomas W Dunn Co, 340 Pearl St, N Y 38
C B Hewitt & Bros, 25 Greene St, N Y 13
*Nicholson & Co, 161 1 St, Cambridge 42, Mass
*Paisley Products, 630 W 51 St, N Y 19
*Paispearl Products, 65 Nassau St, N Y 38
*Rogers Isinglass & Glue Co, 210 Eastern Ave, Gloucester, Mass
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Standard Glue Co, 338 Pearl St, N Y 38
United Paste & Glue Corp, 40-42 Renwick St, N Y 13

GLUE, HATTERS'

Dark colored, soft varieties of glue used in hat making. For suppliers see Glues, Sizing.

T M Duche & Sons, 117-119 Hudson St, N Y 13
C B Hewitt & Bros, 25 Greene St, N Y 13
*Shields Buying Service, 15 Moore St, N Y 4
Standard Glue Co, 338 Pearl St, N Y 38
*Stein, Hall & Co, 285 Madison Ave, N Y 17
*Van Cleef Bros, 7800 Woodlawn Ave, Chicago 19, Ill

GLUE, HIDE

Glue produced from pieces of skin trimmed off the hide as unsuitable in size, shape, or texture for conversion into leather.

*Alba Mfg Co, P O Box 189, Aurora, Ill
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
Buckingham Products Co, 14100 Fullerton Ave, Detroit 27, Mich
C B Coburn Co, 63 Market St, Lowell, Mass
*Coignet Chem Co, 445 Park Ave, N Y 22
Dalton-Cooper, 200 W 34 St, N Y
*Delany & Co, Milnor & Cottman Sts, Tacony 35, Pa
T M Duche & Sons, 117-119 Hudson St, N Y 13
*Franklin Glue Co, 119 W Chestnut St, Columbus 15, Ohio
K F Griffiths & Co, 280 Madison Ave, N Y 16
C B Hewitt & Bros, 25 Greene St, N Y 13
Kem Products Co, 227-229 High St, Newark 2, N J
J Landau Co, 221 Wooster St, N Y 12
Lundt & Co, 24 State St, N Y 4
Madison Glue Corp, 200 W 34 St, N Y 1
*Nicholson & Co, 161 1 St, Cambridge 42, Mass
*Paisley Products, 630 W 51 St, N Y 19
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Standard Glue Co, 338 Pearl St, N Y 38
*Stein, Hall & Co, 285 Madison Ave, N Y 17
United Paste & Glue Corp, 40-42 Renwick St, N Y 13

GLUES - *LIQUID OR DRY*

STARCH • DEXTRINE • CASEIN • ANIMAL • RESIN

MACHINE OR HAND APPLICATION • REGULAR AND WATERPROOF GRADES • FLEXIBLE TYPES • SLOW OR FAST-SETTING

For all Fabricating, Packaging, Sealing, or Labeling Operations.

Paisley Scientific Adhesive Service

SEND FOR FREE DATA SHEET..

Get an Adhesive Operation Data Sheet — your guide towards getting the *ONE best Adhesive for the specific operation you describe.* Write now. No obligation.

PAISLEY PRODUCTS INCORPORATED

1770 CANALPORT AVENUE, CHICAGO 16, ILL. PHONE CANAL 6-...
630 WEST 51st STREET, NEW YORK 19, N.Y. PHONE COLUMBUS 5-2880

Manufacturers of Glues • Starches • Resin Adhesives • Cements and related Chemical Products

*Company classifies itself as manufacturer or producer of this product

GLYCERINE

Brokers Exclusively

THE

SCHMITZ-SHOENEWALDT-TURNER

COMPANY

20 VESEY ST., NEW YORK 7, N. Y. • WOrth 4-0120

GLUE, MARINE

Waterproof adhesive usually containing dissolved rubber, asphalt and shellac, for which U.S. Navy Specifications call for two types. 52 G 10d for aeronautic waterproof marine glue; 52 G 6c for ship marine glue.

*Lox Mfg Co, 3310 E 31 St, Kansas City, Mo
*Midland Glue Products Co, 1478 Madison Ave, Detroit, Mich
*Stein Hall & Co, 285 Madison Ave, N Y 17

GLUE, PADDING, FLEXIBLE

*Arabol Mfg Co, 110 E 42 St, N Y 17
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Corn Belt Adhesives, 815 22 Ave, Council Bluffs, Iowa
C B Hewitt & Bros, 25 Greene St, N Y 13
*Hughes Glue Co, 3500 St Aubin Ave, Detroit 7, Mich
*Industrial Chem Specialties Co, P O Box 456, Baytown, Tex
*Nicholson & Co, 161 1 St, Cambridge 42, Mass
*Paisley Products, 630 W 51 St, N Y
*Precision Testing Labs, P O Box 973, Worcester 1, Mass
*Rubba Inc, 1015 E 173 St, N Y
Standard Glue Co, 338 Pearl St, N Y 38
*Stein Hall & Co, 285 Madison Ave, N Y 17
*Union Paste Co, 1605 Hyde Park Ave, Hyde Park 36, Mass
*United Paste & Glue Corp, 40-42 Renwick St, N Y 13

GLUE, RESIN

Adhesives composed of synth. resins (urea & phenol formaldehyde, etc.) which are supplied as dry powd., aqueous dispersions, alcohol/water solutions, for the bonding of wood veneers, by hot pressing or at room temp.

*Abeles-Wilson Chem Corp, 307 5 Ave, N Y 16
A Adler & Son, 1041 Front St, Phila 23, Pa
*American-Marietta Co, 3400 13 Ave S W, Seattle 4, Wash
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*Arabol Mfg Co, 110 E 42 St, N Y 17
Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
*Borden Co, 350 Madison Ave, N Y 17
*Catalin Corp of America, 1 Park Ave, N Y 16
*Corn Belt Adhesives, 815 22 Ave, Council Bluffs, Iowa
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Durez Plastics & Chem, 5 Walck Rd, N Tonowanda, N Y
*Hughes Glue Co, 3500 St Aubin Ave, Detroit 7, Mich
*Industrial Chem Specialties Co, P O Box 456, Baytown, Tex
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Midland Glue Products Co, 1478 Madison Ave, Detroit, Mich
*Monsanto Chem Co, Plastics Div, Springfield, Mass
*Monsanto Chem Co, Western Div, 421 S W 6 Ave, Portland, Ore
*Monsanto Chem Co, Western Div, 911 Western Ave, Seattle, Wash
*Nicholson & Co, 161 1 St, Cambridge 42, Mass
*Paisley Products, 630 W 51 St, N Y
*Precision Testing Labs, P O Box 973, Worcester 1, Mass
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Standard Glue Co, 338 Pearl St, N Y 38
*Stein Hall & Co, 285 Madison Ave, N Y 17
*Union Paste Co, 1605 Hyde Park Ave, Hyde Park 36, Mass
*United Paste & Glue Corp, 40-42 Renwick St, N Y 13

GLUE, SIZING

*A Adler & Son, 1041 Front St, Phila 23, Pa
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Atlantic Gelatin Div, Hill St, Woburn, Mass
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
*Delany & Co, Milner & Cottman Sts, Tacony 35, Pa
T M Duche & Sons, 117-119 Hudson St, N Y 13
C B Hewitt & Bros, 25 Greene St, N Y 13
*Joy Chem Co, 133 Webster St, Pawtucket, R I
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*Madison Glue Corp, 200 W 34 St, N Y 1
*Nicholson & Co, 161 1 St, Cambridge 42, Mass
*Paisley Products, 630 W 51 St, N Y
*Standard Glue Co, 338 Pearl St, N Y 38
*Stein Hall & Co, 285 Madison Ave, N Y 17
*United Paste & Glue Corp, 40-42 Renwick St, N Y 13

GLUE, TANNERS'

Adhesives formulated specially as sizing agents.

C B Hewitt & Bros, 25 Greene St, N Y 13
*Madison Glue Corp, 200 W 34 St, N Y 1
Standard Glue Co, 338 Pearl St, N Y 38
*Stein Hall & Co, 285 Madison Ave, N Y 17

GLUE, VEGETABLE

Adhesives usually formulated by treating starch with alkali and used for a wide variety of domestic and industrial purposes.

*Arabol Mfg Co, 110 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
*Corn Belt Adhesives, 815 22 Ave, Council Bluffs, Iowa
*Hughes Glue Co, 3500 St Aubin Ave, Detroit 7, Mich
*Industrial Chem Specialties Co, P O Box 456, Baytown, Tex
*Midland Glue Products Co, 1478 Madison Ave, Detroit, Mich
*Monsanto Chem Co, Plastics Div, Springfield, Mass
*Morningstar Nicol, 630 W 51 St, N Y 19
*Paisley Products, 630 W 51 St, N Y
*Polymer Industries, 284 Sheffield Ave, Bklyn 7, N Y
*Precision Testing Labs, P O Box 973, Worcester 1, Mass
*Stein Hall & Co, 285 Madison Ave, N Y 17
*Union Paste Co, 1605 Hyde Park Ave, Hyde Park 36, Mass
*United Paste & Glue Corp, 40-42 Renwick St, N Y 13

GLUTAMINE

$C_5H_{10}O_3N_2$. M.W. 146.13. The optically inactive amine acid $C_3H_5.NH_2CONH_2.COOH$. Sl. sol. water; insol. ether, alcohol.

*Bios Labs, 17 W 60 St, N Y 23
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Gane & Ingram, 43 W 16 St, N Y 11
*Pierce Chem Co, P O Box 117, Rumford, RI
*Smith-N Y Co, 61 Hampton Pl, Freeport, N Y

GLUTATHIONE

$C_{10}H_{17}O_6N_3S$. M.W. 307.22. White cryst. M.P. 190-192°C. with decomposition.

Amend Drug & Chem Corp, 117-119 E 24 St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Fine Organics, 211 E 19 St, N Y 3
*Schwarz Labs, 202 E 44 St, N Y 17
Smith-N Y Co, 61 Hampton Pl, Freeport, N Y

GLYCERIN MONOACETATE see Acetin

GLYCERINE (Glycerol, Alcohol Glycyl, Alcohol Propenyl, Prophenyl Hydrate, Propanetriol, Glycerium)

$(CH_2OH)_2CHOH$. Colorless to pale yellow, syrupy, odorless liq. Sp. gr. 1.2604. M.P. 17°C. B.P. 290°C. Miscible water, alcohol. Uses—mfr. nitroglycerine and low freezing dynamite compositions, printing rollers, cosmetics, perfume, food and pharmaceutical preps.

GLYCERIN

U.S.P. - C.P. - B.P.

High Gravity

Crude

GLYCOLS & DERIVATIVES

ETHYLENE GLYCOL

PROPYLENE GLYCOL

GLYCERIN SUBSTITUTES

LANOLIN

Cosmetic & Industrial

Fine Chemicals - Drugs

Intermediates

BENDIX CHEMICAL CORPORATION

422 LEXINGTON AVE., N.Y. 17, N.Y.

MUrray Hill 3-3204

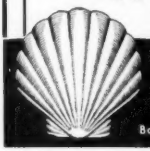
GLYCERINE, continued

rubber stamps, rubber stamp and copying inks, fancy toilet and liq. soaps, confectionery, fermented drinks, shoe blackings, hats, waterproofed paper, parchment, marbled and coated papers; glycerophosphates, photographic emulsions, rubber substitutes; plastics; as general solvent; solvent in dyeing and printing textiles; size in making felt and treating fabrics; preservative and sweetening foods; anti-freeze agent, in automobile radiators; special lubricant; softening agent in artist's colors; sugar substitutes; in flavoring and preserving tobacco; preserving cork stoppers from molding; increasing viscosity of liq.; finishing leather; extracting perfumes from flowers; clay modeling; in medicine. Grades—C. P.; (U.S.P.).; dynamite; saponification; soap lye; crude yellow; white 28° and 30° Be.

S L Abbot Co, 135 King St, San Francisco 7, Cal
J C Ackerman Co, Penn-Lincoln Hotel, Pittsburgh 21, Pa
*Aceto Chem Co, 82 Beaver St, N Y 5
*Alba Mfg Co, P O Box 189, Aurora, Ill
Allied Wax & Oil Products Corp, 145 Nassau St, N Y 7
Wm M Allison & Co, 162 Water St, N Y 38
American-British Chem Supplies, 180 Madison Ave, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
J T Baker Chem Co, Phillipsburg, N J
Bendix Chem Corp, 420 Lexington Ave, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
*Celina Stearic Acid Co, 410 S Ash St, Celina, Ohio
*Century Stearic Acid Candle Works, 41 E 42 St, N Y 17
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
Commercial Chem, 614 Ellicott Sq, Buffalo 3, N Y
*Darling & Co, 4204 S Ashland Ave, Chicago 9, Ill
De Bear Inc, 636 11 Ave, N Y 19
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E F Drew & Co, 15 E 26 St, N Y 10
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
*El Dorado Oil Works, 311 California Ave, San Francisco 4, Cal
European Chem Co, 366 Broadway, N Y 13
Fallek Products Co, 163 Broadway, N Y 6
Frey & Co, N Y Produce Exchange, N Y 4
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Garrigues, Stewart & Davies, 75 West St, N Y 6

*Company classifies itself as manufacturer or producer of this product

GLYCEROL CHLOROHYDRINS
EPICHLOROHYDRIN
GLYCEROL DICHLOROHYDRIN



SHELL CHEMICAL CORPORATION
CHEMICAL PARTNER OF INDUSTRY AND AGRICULTURE
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Boston • Chicago • Cleveland • Detroit • Houston • Los Angeles • Newark • St. Louis

GLYCERINE, continued

Charles Gitlan & Co, 25 Beaver St, N Y 4
*Glycerine Corp of America, 36 W 44 St, N Y 18
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*A Gross & Co, 295 Madison Ave, N Y
Henry L Grund, 406 Bulkley Bldg, Cleveland, Ohio
*Harshaw Chem Co, 1945 E 97 St, Cleveland 6, Ohio
Harry Haze, 435 N Michigan Ave, Chicago 11, Ill
Harry Holland & Son, 95 Clinton St, Chicago 6, Ill
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Enos F Jones Chem Co, 14 Florence St, Jersey City 4, N J
Kingston Chem Co, 15 William St, N Y 5
A F Larsen Co, 29 Broadway, N Y 6
Legion Chem, 70 Wall St, N Y 5
Legion Export & Import Co, 261 W 15 St, N Y 11
*Lever Bros Co, 80 Varick St, N Y 13
*Lewis Co, 232 Canal St, N Y 13
Lundt & Co, 24 State St, N Y 4
George Mann & Co, 251 Fox Point Blvd, Providence, R I
*Marcus-Ruth-Jerome Co, 327 S LaSalle St, Chicago, Ill
T F McAdam, 125 Broad St, N Y 4
Merchants Chem Co, 60 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
L W Neal, 1711 Manning St, Phila 3, Pa
Pacific Soap Co, 6830 McKinley Ave, Los Angeles 1, Cal
Philipp Bros Chem, 37 Wall St, N Y
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Prentiss Drug & Chem Co, 110 William St, N Y 38
*Procter & Gamble Co, Cincinnati, Ohio
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Sarabhai Agencies, 4611 Rockefeller Plaza, N Y 20
C J Schellings & Co, 251 Pearl St, N Y 38
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Shapiro & Novick, 60 Broad St, N Y 4
*Shell Chem Corp, 50 W 50 St, N Y 20
Snow & Co, 3039 E 12 St, Los Angeles, Cal
*Thomas J Shields Co, 11 Water St, N Y 4
*Snead & Small, 1630 Hanna Bldg, Cleveland 15, Ohio
*Spiegel & Peiffer, 2 Broadway, N Y 4
J U Starkweather Co, 241 Allens Ave, Providence, R I
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Frederick H Timberlake, Drexel Bldg, Phila, Pa
George Uhe Co, 76 Ave, N Y 14
*Vegetable Oil Products Co, 410 S Avalon Blvd, Wilmington, Cal

GLYCERIUM see Glycerine

GLYCEROL see Glycerine

GLYCEROL CHLOROHYDRIN

*Bios Labs, 17 W 60 St, N Y 23
*Edwal Labs, Ringwood, Ill
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y
Irving M Sobin Co, 74 Granite St, Boston 10, Mass

GLYCEROL 1,3-DICHOROHYDRIN

$CH_2Cl.CHOH.CH_2Cl$. Mol. Wt. 128.99. B.P. 175°C. Sp. gr. 20/4°C 1.365 Refraction Index 20°C 1.484. Flash-Point ASTM o.c. °F 200. Sol. in water Wt. % at 20.°C. 15.5. Highly reactive due to presence of an adjacent hydroxyl group and chlorine atom. Suggested uses—synthesis of plasticizers, solvents, resins, and pharmaceutical and industrial chemicals.

*Bios Labs, 17 W 60 St, N Y 23
*Shell Chem Corp, 50 W 50 St, N Y 20

GLYCEROL MANNITAN LAURATE

Mixed polyalcohol fatty acid ester. Red-brown oily liq. Dispersible or insol. water and most solvents. Uses—wetting agent in yeast and other foods; spreading agent for use with rotenone or other toxicants in insecticides.

*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del

GLYCEROL a-MONOCHLOROHYDRIN

$CH_2OH.CHOH.CH_2Cl$. Mol. Wt. 110.54. B.P. 213°C. Sp. gr. 20/4°C 1.320. Refraction Index 20°C 1.481. Flash-Point ASTM o.c. °F 280. Sol in water. Highly reactive due to presence of an adjacent hydroxyl group and chlorine atom. Suggested uses—synthesis of plasticizers, solvents, resins and pharmaceutical and industrial chemicals.

*Bios Labs, 17 W 60 St, N Y 23
*Edwal Labs, Ringwood, Ill
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20

GLYCEROL SORBITAN LAURATE

Mixed polyalcohol fatty acid esters. Amber oily liq. Dispersible or insol. water and most solvents. Uses—wetting agent in various food products.

*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del

GLYCEROL TRISTEARATE see Stearine

a-GLYCERYL-o-CRESYL ETHER

$C_9H_{14}O_3$. White powd. or needles. Sol. water, alcohols, ether. Uses—medicine, muscle relaxant.

GLYCERYL ESTERS

W W Angus, 220 Broadway, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Distillation Products Industries, Rochester 3, N Y
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
W C Hardesty Co, 41 E 42 St, N Y 17
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
R F Revson Co, 243 W 17 St, N Y 11
*Riverdale Chem Co, 324 E 147 St, Harvey, Ill
*Tennessee Eastman Co, 10 E 40 St, N Y 16

GLYCERYL MONOCOCATE

*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa

GLYCERYL MONO LAURATE

Semi-solid, cream-colored paste. Sp. gr. 0.98. Free fatty acid, less than 2.5%. Dispersible in water. 5% dispersion in water has a pH of 8.5-8.7. Sol. in alcohol and most organic solvents and oils.

Amplex Chem Co, 60 Wall St, N Y
W W Angus, 220 Broadway, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
Frank G Fanning, 50 E 42 St, N Y 17
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
W C Hardesty Co, 41 E 42 St, N Y 17
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Riverdale Chem Co, 324 E 147 St, Harvey, Ill

GLYCERYL MONO OLEATE

Yellow oil. Sp. gr. 0.94. Free fatty acid, less than 2%. Dispersible in water 5% dispersion in water has a pH of 8.3-8.5 Titre, 0°C. Sol. in alcohol and most organic solvents and oils.

W W Angus, 220 Broadway, N Y
Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
Frank G Fanning, 50 E 42 St, N Y 17
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
W C Hardesty Co, 41 E 42 St, N Y 17
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Riverdale Chem Co, 324 E 147 St, Harvey, Ill

GLYCERYL MONORICINOLEATE

$C_{17}H_{32}COOC_3H_5(OH)_2$. Sp. gr. 1.019 (25°/25°C). Uses—mfr. cosmetics, sol. oils for textile, paper and leather industries; mfr. automobiles, furniture and metal polishes; lacquer plasticizer.

W W Angus, 220 Broadway, N Y
*Baker Castor Oil Co, 120 Broadway, N Y 5
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
*Kem Products Co, 227-229 High St, Newark 2, N J
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

GLYCERYL MONOSTEARATE

$C_{17}H_{33}COOCH_2CHOHCH_2OH$. Sp. gr. 0.908 (20°/20° C). Uses—mfr. cosmetics, as thickening and dispersing agent for textiles, paper, leather; emulsifying agent for polishes.

W W Angus, 220 Broadway, N Y
Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Carlisle Chem Works, West St, Reading 15, Ohio
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Distillation Products Industries, Rochester 3, N Y
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
Frank G Fanning, 50 E 42 St, N Y 17
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*Goldschmidt Chem Corp, 153 Waverly Pl, N Y 14
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
W C Hardesty Co, 41 E 42 St, N Y 17
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Phillips & Jacobs, 620-22 Race St, Phila, Pa
*Riverdale Chem Co, 324 E 147 St, Harvey, Ill
*Witco Chem Co, 295 Madison Ave, N Y 17

GLYCERYL RICINOLEATE

Light amber, self-emulsifying oil, forming milky emulsions with cold water. Miscible with alcohols, hydrocarbons, solvents, and oils.

*Baker Castor Oil Co, 120 Broadway, N Y 5
Barclay Chem Co, 75 Varick St, N Y
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

GLYCERYLSTEARIC ESTER see Stearine

GLYCERYL TRI [2-Hydroxystearate] see Oil, Castor, Hydrogenated

GLYCERYL TRIACETATE see Triacetin

*Company classifies itself as manufacturer or producer of this product

GLYCERYL TRIOLEATE

$(C_{17}H_{33}COO)_3C_3H_5$. M.W. 885.4. Yellow oil. Sol. oils and most organic solvents. Uses—textile lubricants; in mfr. of textile and leather specialties.

W W Angus, 220 Broadway, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
W C Hardesty Co, 41 E 42 St, N Y 17
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

GLYCERYL TRISTEARATE

Synth. wax. Uses—as solid lubricant; in cosmetics, polishes, paper and textile coatings.

W W Angus, 220 Broadway, N Y
*Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2, Ohio
*Bios Labs, 17 W 60 St, N Y 23
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*Goldschmidt Chem Corp, 153 Waverly Pl, N Y 14
W C Hardesty Co, 41 E 42 St, N Y 17
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

GLYCINE see Acid, Aminoacetic

GLYCOCOLL see Acid, Aminoacetic

GLYCOL DIACETATE

$C_6H_{10}O_4$. M.W. 146.14. Water-white liq. B.P. 186°C. Uses—solvent for cellulose esters and ethers, for printing inks and lacquers, and for resins; plasticizer; perfume fixative; prevents blushing in airplane dopes; imparts flexibility to cellulose ether films.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

GLYCOL DIFORMATE (Ethylene Glycol Diformate, Ethylene Formate)

$HCOOCH_2CH_2OOCH$. M.W. 118.09. As supplied commercially is a mild-odored, water-white liq. sol. in water, alcohol, and ether. This ester boils at 177°C. under 760 mm. pressure and has a specific gravity of 1.2240 at 20/20°C. Like glycol diacetate, it is solvent for cellulose acetate, nitrocellulose, and cellulose ethers. In the presence of water, glycol diformate will hydrolyze slowly with the liberation of formic acid. Hence, it can be employed in reactions where it is desired to develop a gradual source of this acid. It shows promise as an ingredient of embalming fluids.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

GLYCOL OLEATE (Diglycol Oleate)

$C_{17}H_{33}(COOC_2H_4)_2O$. Brown colored, oily liq. Sol. alcohol, esters, oils, hydrocarbon solvents. Dispersible in water. Uses—emulsifying agent for polishes, dry cleaning soap; emulsifying agent for insecticidal and agricultural sprays.

W W Angus, 220 Broadway, N Y
J M Baird Co, 147 Nassau St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
W C Hardesty Co, 41 E 42 St, N Y 17
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

GLYCOL PHTHALATE

$C_{12}H_{12}O_4$. Brown liq. Sol. abs. alcohol, sl. sol. hydrocarbons; insol. water. Uses—lacquer plasticizers; fixative and bodying agent for essential oils.

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill

GLYCOL RICINOLEATE

Light amber, self-emulsifying oil which forms milky emulsions with cold water. Readily miscible with alcohols, hydrocarbons, solvents and oils.

*Baker Castol Oil Co, 120 Broadway, N Y 5
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

GLYCOLS, ETHYLENE & PROPYLENE (Mixed)

Average M.W. 66. Mixture containing approx. two parts by W.T. of ethylene glycol to one part of propylene glycol. B.R. 179°-210°C. Sp. gr. 1.08. Uses—antifreeze in coolint systems and air-conditioning units; softening agent for textiles, cork, casein, glue, and gelatin; plasticizer, solvent for dyes and resins; coupling agent for sol. oils, resin manufacture, hygroscopic agent.

Barclay Chem Co, 75 Varick St, N Y
*Dow Chem Co, Midland, Mich
A P Larsen Co, 29 Broadway, N Y 6
Legion Chem, 70 Wall St, N Y 5
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

GLYOXAL

$(CHO)_2$. M.W. 58. Greenish-yellow, water-sol. liq. Uses—papermaking, dyestuffs; modifying agent.

*Bios Labs, 17 W 60 St, N Y 23
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

GOAT'S HORN see Gum, Tragacanth

GOLD CHLORIDE (Auric Chloride)

a. $AuCl_3HCl.4H_2O$. b. $AuCl_3.2H_2O$ (gold trichloride). Cryst. Sp. gr. 3.9. M.P. sublimes. B.P. 150°C. Sol. water, alcohol, ether. Uses—mfr. ruby glass, ink. Cassius purple; painting on glass and porcelain; in gold plating; toning photographic prints; gilding mirrors; in medicine. Grades—tech.

*M Ames Chem Works, 21 Rogers St, Glen Falls, N Y
*Baker & Co, 113 Astor St, Newark 5, N J
J T Baker Chem Co, Phillipsburg, N J
*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Jordan Co, 51 St & Merrimac Ave, Chicago 38, Ill
*Lakeside Labs, 1707 E North Ave, Milwaukee 1, Wis
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
Phillips & Jacobs, 620-22 Race St, Phila, Pa

GOLD CYANIDE (Auric Cyanide)

$Au(CN)_3$. Yellowish-red crystalline. Sublimes on heating. B.P. 150°C. Sol. hot water, alcohol, ether. Uses—decoratinn porcelains; gold and alloy gold plating; medicine. Grades—tech.

*Baker & Co, 113 Astor St, Newark 5, N J
*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill
Phillips & Jacobs, 620-22 Race St, Phila, Pa

GOLD ORANGE see Methyl Orange

GOLD POTASSIUM CHLORIDE (Potassium Aurichloride, Potassium Chlorаurate)

$AuCl_3.KCl.2H_2O$. Yellow cryst. Sol. water, alcohol, ether. Uses—painting on porcelain and glass; coloring glass; toning photographic prints; in medicine. Grades—tech.

*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill

GOLD POWDER

Au. Yellow metal. Sp. gr. 19.2. M.P. 1062°C. B.P. 2530°C. Sol. aqua regia; insol. acids. Uses—mfr. anodes, alloys, gold salts; in gilding; solders; decorating; gold fulminate; as chemical analyst. Grades—tech.

*E I Du Pont de Nemours & Co Electrochem Dept, Wilmington 98, Del
*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill
*Metals Disintegrating Co, P O Box 290, Elizabeth, N J
L Reusche & Co, 2-6 Lister Ave, Newark 5, N J

GOLD SODIUM CHLORIDE (Gold Salts, Sodium Aurodichloride)

Mixture $AuCl_3$ and NaCl. Orange-yellow, deliq. crystalline powd. Sol. water, alcohol. Uses—decorating porcelains, potteries; staining glass; toning photographic prints; in medicine. Grades—tech.

*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Phillips & Jacobs, 620-22 Race St, Phila, Pa

GOMMELINE see Dextrin

GOULARD'S POWDER see Lead Acetate

GRAPE SUGAR see CORN SUGAR

GLYCERYL MONOSTEARATE

Aldo 33 and Aldo 28 Brands

Available in Fine Bead Form

Special Qualities for the Food Industries

Send for "New Products for the Food Industry"

GLYCO

PRODUCTS CO., Inc.

26 Court Street Brooklyn 2, N.Y.

GRAPHITE (Plumbago, Black Lead, Mineral Carbon)

Crystallized carbon with traces of SiO_2, Fe, etc. Steel-gray to lack. Solid. Natural. Sp. gr. 2.55 (18°C). Sublimes at 3600°C. Insol. all common solvents. Uses—mfr. lead pencils, crucibles, gunpowder, lubricating compositions, anodes for electric batteries, parts of electrical machinery, motor brushes, arc light carbons, electrodes for electrochemical and electrometallurgical apparatus, boiler compounds, polishes for stoves, shoes, etc., anticorrosive varnishes, metallurgical retorts, foundry linings and molds, fertilizer compositions; in repairing boilers and stoves; art bronze coloring; electroplating porous articles; as paint pigment. Grades—crude; powdered; flake; domestic; East Indian; Madagascar; Ceylon.

American Firstoline Corp, 420 Lexington Ave, N Y
*Asbury Graphite Mills, Warren Co, Asbury, N J
J T Baker Chem Co, Phillipsburg, N J
J H Bauminger, 421 7 Ave, N Y
British-American Carbon Corp, 18 E 48 St, N Y
Alfred D Brown Associates, 59 Pearl St, N Y 4
Chematar Inc, Exchange Pl, N Y 5
J A Kendall, 714 Second National Bldg, Akron 8, Ohio
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*National Carbon Co, 30 E 42 St, N Y 17
*Thomas J Shields Co, 11 Water St, N Y 4
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Superior Flake Graphite Co, 33 S Clark St, Chicago 3, Ill
Wah-Chang Corp, 233 Broadway, N Y 7
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

GRAPHITE, COLLOIDAL

Graphite in the colloidal state. Usually marketed in the following mediums—oil, water, castor oil, and glycerine. Uses—luvricant for high temp. work.

*Acheson Colloids Corp, 1635 Washington Ave, Port Huron, Mich
*Superior Flake Graphite Co, 22 S Clark St, Chicago 3, Ill

GRAY ACETATE see Calcium Acetate

GREEN CINNABAR see Chromium Oxide

GREEN COPPERAS see Ferrous Sulfate

GREEN MERCURY PROTOIODIDE see Mercurous Iodide

GREEN NICKEL OXIDE see Nickel Oxide

GREEN VERDIGRIS see Copper Acetate

GREEN VITRIOL see Ferrous Sulfate

GREENLAND SPAR see Cryolite Natural

GREENOCKITE see Cadmium Sulfide

GREASE, ANIMAL

*Armour & Co, 1355 W 31 St, Chicago 9, Ill
Block Bros, 141-149 2 Ave, S, Nashville 2, Tenn
C B Coburn Co, 63 Market St, Lowell, Mass
*Darling & Co, 4204 S Ashland Ave, Chicago 9, Ill
*Delany & Co, Milnor & Cottman Sts, Tacony 35, Pa
*Detroit Rendering Co, 2500 22 St, Detroit 16, Mich
Frey & Co, N Y Produce Exchange, N Y 4
*Madison Glue Corp, 200 W 34 St, N Y 1
*Marcus-Ruth-Jerome Co, 327 S LaSalle St, Chicago, Ill
*George Plau Sons Co, Jeffersonville, Ind
*Spiegel & Peiffer, 2 Broadway, N Y 4
Welch, Holme & Clark Co, 439 West St, N Y 14

GREASE, ANTI-RUST

Protective coatings to metals to prevent oxidation of the surface.

*American Lanoline Corp, 13 Railroad St, Lawrence, Mass
*U B Bray Co, 3344 Medford St, Los Angeles, Cal
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
Frank G Fanning, 50 E 42 St, N Y 17
*Franklin Oil & Gas Co, Bedford, Ohio
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa

GREASE BASES

Compounded products added to greases to improve their characteristics, to give consistency and body to oils, and in particular instances to impart to the greases special properties for certain applications as for example, in differentials and transmissions of automobiles, etc.

*Barold Sales Div, 830 Ducommun St, Los Angeles 12, Cal
*Concrete Specifications Surfacing Co, 2 Broadway, N Y
*Sidney P Craven, 2 Broadway, N Y
*Metasap Chem Co, Logan & Davis Sts, Harrison, N J
*M W Parsons-Plymouth, 59 Beekman St, N Y 38

GREASES

*Dow Corning Corp, Midland, Mich
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*E H Kellogg & Co, 93 Water St, N Y 5
*Keystone Lubricating Co, 21, Clearfield & Lippincott Sts, Phila 32, Pa
*Madison Glue Corp, 200 W 34 St, N Y 1
*N Y & N J Lubricant Co, 292 Madison Ave, N Y 17
*Pennsylvania Refining Co, 2686 Lisbon Rd, Cleveland, Ohio
*Sinclair Refining Corp, 600 5 Ave, N Y 18
*Standard Oil Co, 910 S Mich Ave, Chicago 80, Ill

GREASES, CABLE

Special greases, usually containing graphite as one of the constituents, used for the lubrication of wire ropes, chains, exposed gears, cranes, derricks, dredges, steam shovels, pile drivers, pump plungers, hoisting engines, quarry machinery, mining machinery, elevator plunges, elevator guides, fire hydrant valves, etc., where max. degree of protection against the action of water is equally important as the question of lubrication.

*Atlantic Refining Co, 260 S Broad St, Phila, Pa
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Keystone Lubricating Co, 21, Clearfield & Lippincott Sts, Phila 32, Pa
*Superior Flake Graphite Co, 33 S Clark St, Chicago 3, Ill

GREASES, CUP

Usually lime or soda soap greases, made in a wide range of consistency, according to the relative percentages of mineral oil and soap in them and the viscosity of the mineral oil employed. Should be free from fillers, but may contain graphite. Usually produced by mixing mineral oil with a calcium soap to give a desired "body" or "consistency." Most cup greases contain from 1 to 3% water.

*Atlantic Refining Co, 260 S Broad St, Phila, Pa
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*E H Kellogg & Co, 93 Water St, N Y 5
*Keystone Lubricating Co, 21, Clearfield & Lippincott Sts, Phila 32, Pa
*N Y & N J Lubricant Co, 292 Madison Ave, N Y 17
*Superior Flake Graphite Co, 33 S Clark St, Chicago 3, Ill

GREASES, LUBRICATING

Products of various formulation used for the lubrication of heavy machinery parts, etc.

*Atlantic Refining Co, 260 S Broad St, Phila, Pa
Deep Rock Oil Corp, 624 S Mich, Chicago 5, Ill
*Dow Corning Corp, Midland, Mich
*Gulf Refining Co, 722 Gulf Bldg, Pittsburgh 30, Pa
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Humble Oil & Refining Co, P O Box 2180, Houston 1, Tex
*E H Kellogg & Co, 93 Water St, N Y 5
*Keystone Lubricating Co, 21, Clearfield & Lippincott Sts, Phila 32, Pa
*N Y & N J Lubricant Co, 292 Madison Ave, N Y 17
*Oil-Krait, 3330 Beekman St, Cincinnati 23, Ohio
*Pennsylvania Refining Co, 2686 Lisbon Rd, Cleveland, Ohio
Petroleum Specialties, 205 E 42 St, N Y 17
*Superior Flake Graphite Co, 33 S Clark St, Chicago 3, Ill
*Tide Water Associated Oil Co, 79 New Montgomery St, San Francisco 20, Cal
*Union Oil Co of Cal, 617 W 7 St, Los Angeles 17, Cal
*White & Bagley Co, P O Box 1171, Worcester, Mass

GREASES, SLUSHING

Used to coat new steel or iron castings, etc., preparatory to shipping or storing to prevent rust and corrosion.

*Pennsylvania Refining Co, 2686 Lisbon Rd, Cleveland, Ohio
*White & Bagley Co, P O Box 1171, Worcester, Mass

GREASES, TANNERS'

Materials compounded of rancid fish oil, resinous substances, lime and sulfate, and the residues of skins, membranes, and hair obtained from the chamoising process and used in finishing other skins.

E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa

GREASES, TEXTILE

Special lubricating greases for textile machinery. Generally made from refined oils so as to be non-staining when unavoidably placed on fabrics.

*N Y & N J Lubricant Co, 292 Madison Ave, N Y 17

GREASES, WATERPROOFING

Heavy, plastic grease usually employed to seal and lubricate automobile waterpump bearings and packing glands. Also greases of various formulation, but usually of a calcium base with graphite incorporated or some modification that does not melt or dissolve in hot water. Soda base greases wet-out readily, but are very sol. and work into soapy emulsions when used in the presence of moisture.

*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
*Dow Corning Corp, Midland, Mich
V & E Kohnstamm, 329 Canal St, N Y 13
*Pennsylvania Refining Co, 2686 Lisbon Rd, Cleveland, Ohio

GREASES, WIRE-DRAWING

Specialized products for lubrication in steel wire plants.

*Arista Oil Products Co, 39 Broadway, N Y 6
*Fiske Bros Refining Co, 129 Lockwood St, Newark, N J
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*G Whitfield Richards, 1732 Carlton St, Phila 3, Pa
*Superior Flake Graphite Co, 33 S Clark St, Chicago 3, Ill

GRINDING COMPOUNDS

Proprietary preps. used as lubricants in machining operations.

*Arista Oil Products Co, 39 Broadway, N Y 6
*Franklin Oil & Gas Co, Bedford, Ohio
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*K & L Chem Co, 1052 W 78 St, Chicago 20, Ill
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*Macco Products Co, 525 W 76 St, Chicago, Ill
*Pittsburgh Plate Glass Co, Corona Chem Div, 235 E Pittsburgh Ave, Milwaukee, Wis
*G Whitfield Richards, 1732 Carlton St, Phila 3, Pa
*Rodgers Labs, 4135 S 6 St, Milwaukee 15, Wis

GROUND GLASS (Powdered Glass)

Sp. gr. 2.4-2.8. Uses—as abrasive:

Smith Chem & Color Co, 53 John St, Bklyn 1, N Y
Whittaker, Clark & Daniels, 260 Broadway, N Y 13

GROUND-NUT OIL see Oil, Peanut

GROUTING COMPOUNDS

Preps. of various formulations used for filling cracks and crevices, holes, etc., in masonry, concrete, stucco, etc.

GUAIAC RESIN see Gum, Guaiac

GUAIACOL CARBONATE (Duotal)

$(CH_3O.C_6H_4O)_2CO$. M.W. 274.26. Small colorless cryst. or white crystalline powd. M.P. 85-86°C. Insol. water. Sol. chloroform, ether, less sol. in alcohol.

J T Baker Chem Co, Phillipsburg, N J
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Merck & Co, 100 Lincoln Ave, Rahway, N J
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

GUAIACOL, LIQUID (Methylprocatechin, Methylhydroxybenzine)

$C_6H_4OCH_3OH$. Faint yellow oily liq., with aromatic odor. Sp. gr. 1.1393, B.P. 205°C; M.P. 27.9°C. Darkens on exposing to light. Sol. partially water, sol. alcohol, ether. Grades—tech. U.S.P.

Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Conray Products, 510 6 Ave, N Y 11
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
George Uhe Co, 76 9 Ave, N Y 14

GUAIACUM see Gum, Guaiac

GUAIACYL see Calcium Guaiacol Sulfonate

GUANIDINE CARBONATE

$(H_2NCNHNH_2)_2.H_2CO_3$. M.W. 180.3. White granules. 100% through 40 mesh. Decomp. at 197-199°C. without melting. Sol. water and moderately sol. in organic alcohols. Uses—to replace metallic soaps, where the latter tend to separate in solution or to cause cloudiness; as a base, having about the same alkalinity as that of sodium carbonate; mfr. cosmetics, dry cleaning soaps; intermediate in mfr. other guanidine compounds and in prep. of special coatings and resins.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Chem Supply Co, 302 Railroad St, Neenah, Wis
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

GUANIDINE HYDROCHLORIDE

CH_5N_3HCl. M.W. 95.53. White crystalline powd.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Bendix Chem Corp, 420 Lexington Ave, N Y
Conray Products, 510 6 Ave, N Y 11

GUANIDINE NITRATE

$(H_2NCNHNH_2).NO_3$. M.W. 121.05. White granules. 100% through 40 mesh, M.P. 206-212°C. Moderately sol. in water and organic alcohols. Uses—mfr. explosives and bactericides.

*American Cholesterol Products, Middlesex Co, N J
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20

GUANINE (2-Amino 6-Oxypurine)

$C_5H_5N_5O$. M.W. 151.13. White. Insol. organic solvents, water. Sol. alkalies but not ammonia; sol. mineral acids. Uses—in pharmacology, nutrition, plant physiology; as an inhibitor of liver poisoning.

American-British Chem Supplies, 180 Madison Ave, N Y
*Dougherty Chem, 86-28 131 St, Richmond Hill 18, N Y
*Mearl Corp, 153 Waverly Pl, N Y 14
*Schwarz Labs, 202 E 44 St, N Y 17

GUANO

Dried excrement of sea fowl. Natural. Peru and Chile. Uses—as fertilizer. Grades—tech.

Overseas Trading Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38

GUHR see Diatomaceous Earth

GUM, ACCROIDES (Yacca Gum, Black Soy Gum, Xanthorrhea Resin, Red Gum, Yellow Gum, Gumtree)

Resin obtained from species of Xanthorrhea trees. Habitat—Australia. Sol. hot alcohol. Uses—mfr. varnishes, lacquers, sealing wax, finishing compositions, spirit lacquers for coating metals, perfumery, wood stains; substitute for rosin; sizing paper; enriching gas. Grades—tech.

*Company classifies itself as manufacturer or producer of this product

GUM, ACCROIDES, continued

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Colony Import & Export Corp, 11 E 44 St, N Y 17
O G Innes Corp, 82 Wall St, N Y 5
George H Lincks, 312 Bridge St, Bklyn, N Y
Wm H Scheel, 38 Franklin St, Bklyn 22, N Y
*U S Industrial Chem, 60 E 42 St, N Y

GUM ALGINATES

Salts of algin. White to dark brown solids having marked hydrophilic colloidal properties. Sol. water; insol. organic solvents. For further information see Algin.

*Algin Corp of America, 24 State St, N Y 4
Colony Import & Export Corp, 11 E 44 St, N Y 17
*Hathaway Allied Products, 2024 Westgate Ave, Los Angeles 25, Cal
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Kelco Co, 31 Nassau St, N Y 5

GUM, AMBER

Fossilized bituminous resin. Occurs as hard, transparent, brittle masses of clear yellow to brown color. Uses—precious stone; as a dielectric mat. Composition 28% succino-abietic acid, 70% esters of succinic acid and succino-resinol.

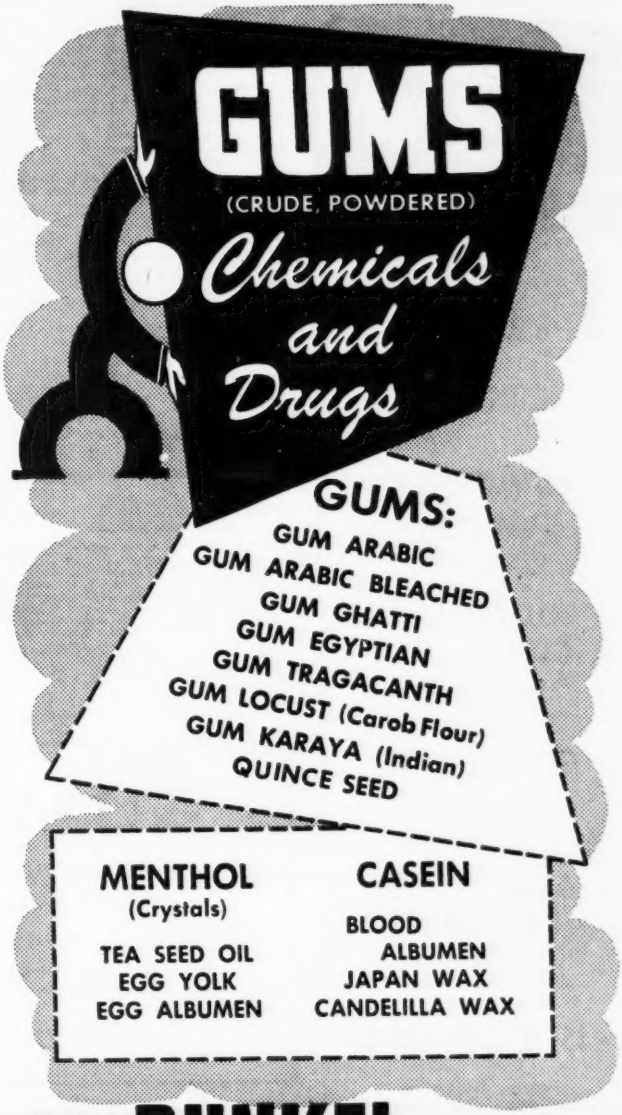
George H Lincks, 312 Bridge St, Bklyn, N Y

GUM, ANIMI see Gum, Zanzibar

GUM, ARABIC (Acacia Gum, Senegal Gum)

Yellow or white fine powd. Sp. gr. 1.355. Sol. water. Uses—mfr. shoe and metal polishes, water colors, paints, varnishes, linoleum, oil-cloth, matches, pyrotechnics, mucilage, glues, cements, adhesive pastes, confectionery, sweetmeats, baked products, potteries, porcelain, paper size, giving lustre to crepe silks; body and drier in writing and lithographic inks; in stiffening textile fibers; printing textiles; in process engraving; in medicine. Grades—U.S.P.; tech.; numerous U.S.P. grades of whole, ground, and powdered.

Agazarian & Co, 99 Hudson St, N Y 13
William M Allison & Co, 162 Water St, N Y 38
American-British Chem Supplies, 180 Madison Ave, N Y
Arabol Mfg Co, 110 E 42 St, N Y 17
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
E S Browning Co, 1515 3 St, San Francisco, Cal
P S Busschaert, 116 John St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
City Chem Corp, 132 W 22 St, N Y 11
John Clarke & Co, 420 Lexington Ave, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
Colony Import & Export Corp, 11 E 44 St, N Y 17
*Frank Corwin, 149 Church St, N Y 7
*Dodwell & Co, 120 Wall St, N Y 5
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
T M Duche & Sons, 117-119 Hudson St, N Y 13
Paul A Dunkel & Co, 1 Wall St, N Y 5
Eurenjy & Co, 220 Broadway, N Y 7
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Hathaway Allied Products, 2024 Westgate Ave, Los Angeles 25, Cal
*J L Hopkins & Co, 477 Keap St, Bklyn 11, N Y
Howe & French, Mfg Dept, E Weymouth, Mass
Hummel Chem Co, 90 West St, N Y 6
Philip A Hunt Co, Palisades Park, N J
*Innis, Speiden & Co, 117 Liberty St, N Y 6
Frederick D Keller & Son, 150 Nassau St, N Y 7
*Lewis Co, 232 Canal St, N Y 13
George H Lincks, 312 Bridge St, Bklyn, N Y
*Julian W Lyon, 7 Dey St, N Y 7
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Wm E Martin Co, 205 W 34 St, N Y 1
T F McAdam, 125 Broad St, N Y 4
McKesson & Robbins, 155 E 44 St, N Y 17
*Meer Corp, 318 W 46 St, N Y 19
Morningstar Nicol, 630 W 51 St, N Y 19
Mutchler Chem Co, 258 Broadway, N Y 7
Herbert H Parker, 2 Broadway, N Y 4
*S B Penick & Co, 50 Church St, N Y 7
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Prentiss Drug & Chem Co, 110 William St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Senefelder Co, 32-34 Greene St, N Y 13
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
F M Speekman Co, 141 Quint St, San Francisco 24, Cal
J U Starkweather Co, 241 Allens Ave, Providence, R I
O J Weeks Co, 16 Hudson St, N Y 13
Welch, Holme & Clark Co, 439 West St, N Y 14
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J



PAUL A. DUNKEL AND COMPANY INCORPORATED

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CHICAGO: 919 N. MICHIGAN AVE. TEL. SUP. 2462

REPRESENTATIVES:
CHICAGO: CLARENCE MORGAN, INC. BOSTON: P. A. HOUGHTON, INC.
LOS ANGELES: JOHN A. HUGHES PHILADELPHIA: H. W. GAFFNEY
ST. LOUIS: C. L. IORNS CO.

*Company classifies itself as manufacturer or producer of this product

Dependably Uniform...

ISCO

• GUM ARABIC

U.S.P. and Technical
Cleaned Amber Sorts
Grained, powder, Siftings

• GUM KARAYA

N.F. and Technical
Sorts, Crystal and Powder

• LOCUST BEAN GUM

Swiss and Italian
Food Grade

• GUM GHATTI

Grades Nos. 1, 2, 3
Sorts and Powder

• GUM TRAGACANTH

U.S.P. and Technical
Ribbon, Flake, Powdered

• ISCOLIZED GUMS

Ready, dispersible
water soluble gums

GUM MILLING PLANT
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SAN FRANCISCO • LOS ANGELES
SUBSIDIARY
E. S. BROWNING CO., INC.
SAN FRANCISCO • LOS ANGELES

GUM, ASPHALTUM

Brown-black amorp. Natural. Uses—mfr. varnishes, paints, lacquers, enamels, roof cements, electrical insulations, electrical insulators, cements, due-tone and transfer inks, asphaltic and roofing papers; as mineral rubber and rubber filler; general waterproofing agent; in coating water and gas pipes; lining water tanks and plastics with asbestos; process engraving and lithography; cement mixtures; making tanks water-tight. Grades—various as to source, etc. (Egyptian, Stearine Pitch, Varnish Maker's Black, Compo Black, etc.).

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Rubber Asphalt Oil & Mining Corp, 1833 Marney Ave, Los Angeles 32, Cal

GUM, BATU

A natural product, bastard damar gum, from Singapore. Uses—mfr. varnish, paint, linoleum. Grades—scrapped; unscrapped; nubs and chips.

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
John A Chew, 80 E 42 St, N Y 17
Gillespie-Rogers-Pyatt Co, 75 West St, N Y 6
W R Grace & Co, 7 Hanover Sq, N Y 5
O G Innes Corp, 82 Wall St, N Y 5
George H Lincks, 312 Bridge St, Bklyn, N Y
J Meyer & Sons, 4321 N 4 St, Phila 40, Pa
Wm H Scheel, 38 Franklin St, Bklyn 22, N Y
Stein, Hall & Co, 285 Madison Ave, N Y 17
*U S Industrial Chem, 60 E 42 St, N Y
Wah-Chang Corp, 233 Broadway, N Y 7
A J Wittenberg Corp, 29-29 41 Ave, L I C 1, N Y

GUM BENJAMINE see Gum, Benzoin

GUM, BENZOIN (Gum, Benjamine, Styrax Benzoin, Benzoin Resin)

Balsamic resin from Styrax benzoin. Habitat—Java, Sumatra, Siam. Sp. gr. 1.24. Acid No. Siam 120-170. Sumatra 95-190. Saponification No. Siam 170-240. Sumatra 155-270. M.P. 77-100°C. Sol. alcohol, carbon dissulfide. Uses—mfr. skin soaps, cosmetics, perfume and toilet preps., incense, cinnamic acid, polishes, coating preps., varnishes; in fumigating pastilles; in medicine. Grades—U.S.P.; tech.; Sumatra; Siam.

Bendix Chem Corp, 420 Lexington Ave, N Y
Alfred D Brown Associates, 59 Pearl St, N Y 4
Chem Service Corp, 82 Beaver St, N Y 5
*Frank Corwin, 149 Church St, N Y 7
Dodge & Olcott, 180 Varick St, N Y 14
Dodwell & Co, 120 Wall St, N Y 5

GUM, BENZOIN, continued

P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Hathaway Allied Products, 2024 Westgate Ave, Los Angeles 25, Cal
Frederick D Keller & Son, 150 Nassau St, N Y 7
Geo Lueders & Co, 427 Washington St, N Y 13
*Julian W Lyon, 7 Dey St, N Y 7
Wm E Martin Co, 205 W 34 St, N Y 1
*Meer Corp, 318 W 46 St, N Y 19
Olson Sales Agency, 20 Broad St, N Y 5
*S B Penick & Co, 50 Church St, N Y 7
Polak & Schwartz, 667 Washington St, N Y 14
Prentiss Drug & Chem Co, 110 William St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Smith Crude Drug & Spice Corp, 101 Beekman St, N Y
O J Weeks Co, 16 Hudson St, N Y 13

GUM, BLACK SOY see Gum, Accroides

GUM, BRITISH see Dextrin

GUM CAMPHOR see Camphor, Natural

GUM CATECHU see Cutch

GUM, CHICLE

GUM, CONGO (Congo Copal, Copal Resin, Cowrie Kaurie.)

Yellow to yellowish brown, odorless, amorp. Sp. gr. 1.059-1.080. Acid No. 132. Saponification No. 66-175. Sol. benzene, oil of turpentine, chloroform, ether. Uses—mfr. varnishes, lacquers, cements; in coating textiles under fabric of oil-cloth and linoleum; as amber substitute. Grades—various as to color, size of pieces, etc.

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
P S Busschaert, 116 John St, N Y
T G Cooper & Co, 2400 E Venango St, Phila 34, Pa
Dodwell & Co, 120 Wall St, N Y 5
Gillespie-Rogers-Pyatt Co, 75 West St, N Y 6
*Industrial Resin Corp, Jefferson Rd, Whippany, N J
Industrial Sales Corp, 500 5 Ave, N Y 18
O G Innes Corp, 82 Wall St, N Y 5
George H Lincks, 312 Bridge St, Bklyn, N Y
Joseph A McNulty, 114 Liberty St, N Y
J Meyer & Sons, 4321 N 4 St, Phila 40, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
*U S Industrial Chem, 60 E 42 St, N Y
A J Wittenberg Corp, 29-29 41 Ave, L I C 1, N Y

GUMS — ARABIC
KARAYA
TRAGACANTH

ALL TYPES, CRUDE AND POWDERED

LOCUST BEAN GUM (Carob Flour)

ALL GRADES

T. M. DUCHÉ & SONS, INC.
ESTABLISHED 1857
117 Hudson St., New York 13, N. Y.
Branches: Chicago • Boston

PENICK Evenized
GUMS

TRAGACANTH
LOCUST
KARAYA
TALHA
ARABIC
GHATTY

S. B. PENICK & COMPANY
50 CHURCH ST., NEW YORK 7, N. Y. • TELEPHONE: CORTLANDT 7-1970
735 W. DIVISION ST., CHICAGO 10, ILL. • TELEPHONE: MOHAWK 4-5651

*Company classifies itself as manufacturer or producer of this product

GUM, COLORING see Gum, Gamboge

GUM, COPAL (Resin Copal, Animo, Kaurie)

Derived from fossil found in Zanzibar, or excretion various species Trachylobium. Two varieties, hard and soft copals. Habitat—Zanzibar, Australia, Philippines, South America, West Indies. Yellowish to brownish lumps. Hard copals are almost insol. Both grades after fusing are sol. oil of turpentine, linseed oil. Uses—mfr. linoleum, oil-cloth; as substitute for amber; in cements and varnishes. Grades—tech.

*Acme Shellac Products Co, 108 Blanchard St, Newark 5, N J
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
P S Busschaert, 116 John St, N Y
John A Chew, 60 E 42 St, N Y 17
Colony Import & Export Corp, 11 E 44 St, N Y 17
T G Cooper & Co, 2400 E Venango St, Phila 34, Pa
*Frank Corwin, 149 Church St, N Y 7
Dodwell & Co, 120 Wall St, N Y 5
James H Furnam Co, 59 E Van Buren St, Chicago 5, Ill
Gillespie-Rogers-Pyatt Co, 75 West St, N Y 6
Greene Trading Co, 80 Wall St, N Y 5
D Hecht & Co, 510 Battery St, San Francisco 11, Cal
Hummel Chem Co, 90 West St, N Y 6
O G Innes Corp, 82 Wall St, N Y 5
George H Lincks, 312 Bridge St, Bklyn, N Y
Joseph A McNulty, 114 Liberty St, N Y
J Meyer & Sons, 4321 N 4 St, Phila 40, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
J B Ruth & Co, 114 S Central Ave, Los Angeles 12, Cal
Wm H Scheel, 38 Franklin St, Bklyn 22, N Y
Stein Hall & Co, 285 Madison Ave, N Y 17
*U S Industrial Chem, 60 E 42 St, N Y

GUN COTTON see Nitrocellulose

GUM, DAMAR (Resin Damar, Dammar)

Yellowish-white, amorp. masses. Sp. gr. 1.04-1.12. M.P. 120°C. Sol. alcohol, ether, chloroform, carbon disulfide, oil of turpentine. Uses—mfr. varnishes, lacquers, dry colors, printing inks, transparent varnishes and paints, linoleum, oil-cloth, match head, pyrotechnic and rubber compositions. Grades—tech. (as to color and quality); Batavia; Singapore; East Indian.

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
P S Busschaert, 116 John St, N Y
T G Cooper & Co, 2400 E Venango St, Phila 34, Pa
*Frank Corwin, 149 Church St, N Y 7
Gillespie-Rogers-Pyatt Co, 75 West St, N Y 6
W R Grace & Co, 7 Hanover Sq, N Y 5
D Hecht & Co, 510 Battery St, San Francisco 11, Cal
O G Innes Corp, 82 Wall St, N Y 5
George H Lincks, 312 Bridge St, Bklyn, N Y
T F McAdam, 125 Broad St, N Y 4
Joseph A McNulty, 114 Liberty St, N Y
J Meyer & Sons, 4321 N 4 St, Phila 40, Pa
Phillips & Jacobs, 620-22 Race St, Phila, Pa
J B Ruth & Co, 114 S Central Ave, Los Angeles 12, Cal
Wm H Scheel, 38 Franklin St, Bklyn 22, N Y
Stein Hall & Co, 285 Madison Ave, N Y 17
*U S Industrial Chem, 60 E 42 St, N Y
Wah-Chang Corp, 233 Broadway, N Y 7
A J Wittenberg Corp, 29-29 41 Ave, L I C 1, N Y

GUM DRAGON see Gum, Tragacanth

GUM, EAST INDIA

From Acacia Abyssinica. Habitat—Abyssinia, Somaliland. Sol. water. Uses—mfr. mucilage, adhesives. Grades—tech.

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
T G Cooper & Co, 2400 E Venango St, Phila 34, Pa
Gillespie-Rogers-Pyatt Co, 75 West St, N Y 6
O G Innes Corp, 82 Wall St, N Y 5
George H Lincks, 312 Bridge St, Bklyn, N Y
Wm H Scheel, 38 Franklin St, Bklyn 22, N Y
*U S Industrial Chem, 60 E 42 St, N Y

GUM, ELEMI (Canarium, Manila Elemi)

Resin from Canarium commune, etc. Habitat—Philippine Islands. Soft, transparent, yellowish, granular masses. Sp. gr. 1.018-1.088. M.P. 120°C. Sol. alcohol, ether, chloroform. Uses—mfr. paints, varnishes, lacquers, printing inks, perfumery, linoleum, oil-cloth; as ingredient of fireproofing and waterproofing compositions; in process engraving and lithography; in medicine. Grades—tech.

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Frank Corwin, 149 Church St, N Y 7
O G Innes Corp, 82 Wall St, N Y 5
George H Lincks, 312 Bridge St, Bklyn, N Y
*Meer Corp, 318 W 46 St, N Y 19
*S B Penick & Co, 50 Church St, N Y 7
Wm H Scheel, 38 Franklin St, Bklyn 22, N Y
*U S Industrial Chem, 60 E 42 St, N Y

GUM GAMBIR see Gambir

P S Busschaert, 116 John St, N Y
City Chem Corp, 132 W 22 St, N Y 11
*Meer Corp, 318 W 46 St, N Y 19
*S B Penick & Co, 50 Church St, N Y 7



GUMS

ARABIC—TRAGACANTH—KARAYA (Indian Gum)

All Grades—crude, cracked or powdered

SUPERCLEAR

A Superior Printing Thickener

VAT GUMS — **LOCUST BEAN GUM**
IRISH MOSS POWDER — **IRISH MOSS EXTRACT**
SCREEN PRINT GUM

JACQUES WOLF & CO.
Manufacturing Chemists & Importers
Passaic, N. J. • Carlstadt, N. J. • Los Angeles, Calif.

GUM, GAMBOGE (Coloring Gum, Cambogia, Gummi Guttai)

Grayish or orange-brown amorp., cylindrical pieces. Acid No. 68-89. Saponification No. 115-150. Sp. gr. 1.03. Sol. acetone, alcohol, methanol, benzene, ether; insol. water. Uses—mfr. varnishes, lacquers, paints. Grades—U.S.P.; glassy; ordinary; Guaiacum officinale.

Wm E Martin Co, 205 W 34 St, N Y 1
*Meer Corp, 318 W 46 St, N Y 19
*S B Penick & Co, 50 Church St, N Y 7

GUM, GHATTI

Acacia gum. Sol. water. Uses—see Gum Arabic. Grades—tech.

John Clarke & Co, 420 Lexington Ave, N Y 17
Colony Import & Export Corp, 11 E 44 St, N Y 17
Dodwell & Co, 120 Wall St, N Y 5
T M Duche & Sons, 117-119 Hudson St, N Y 13
Paul A Dunkel & Co, 1 Wall St, N Y 5
Eurenjy & Co, 220 Broadway, N Y
*Innis, Speiden & Co, 117 Liberty St, N Y 6
*S B Penick & Co, 50 Church St, N Y 7

GUM, GUAIAC (Guaiacum, Guaiac Resin)

Resin of the wood of Guaiacum officinale or Guaiacum sanctum. Habitat—Florida, West Indies, South America. Sp. gr. 1.2. M.P. 85-90°C. Sol. alcohol, ether, acetone, caustic soda, chloroform. Uses—mfr. varnishes; in medicine. Grades—U.S.P. (Garcinia Hanburn); pipe; blocky; powd.

George H Lincks, 312 Bridge St, Bklyn, N Y
*Meer Corp, 318 W 46 St, N Y 19
*S B Penick & Co, 50 Church St, N Y 7
Smith Crude Drug & Spice Corp, 101 Beekman St, N Y

GUM, GUTTA PERCHA

GUM, HOG see Gum, Tragacanth

GUM, INDIAN see Gum, Karaya

GUM, JUNIPER see Gum, Sandarac

GUM, KARAYA (Indian Gum, Kadaya)

Gummy exudation from Sterculia camanulata. Habitat—Africa, Australia. Uses—mfr. varnishes, lacquers, inks, rubber compositions, linoleum, oil-cloth, polishes; in process engraving, coating paper. Grades—as to color, white to gray. Sterculia campanulata.

GUM, KARAYA, continued

William M Allison & Co, 162 Water St, N Y 38
Barclay Chem Co, 75 Varick St, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
John A Chew, 60 E 42 St, N Y 17
John Clarke & Co, 420 Lexington Ave, N Y 17
Colony Import & Export Corp, 11 E 44 St, N Y 17
*Frank Corwin, 149 Church St, N Y 7
*Dodwell & Co, 120 Wall St, N Y 5
T M Duche & Sons, 117-119 Hudson St, N Y 13
Paul A Dunkel & Co, 1 Wall St, N Y 5
K Eurenjy, 220 Broadway, N Y 7
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Hathaway Allied Products, 2024 Westgate Ave, Los Angeles 25, Cal
*J L Hopkins & Co, 477 Keap St, Bklyn 11, N Y
Philip A Houghton, 30 Huntington Ave, Boston, Mass
*Innis, Speiden & Co, 117 Liberty St, N Y 6
Walter H Jelly & Co, 420 N Western Ave, Chicago 12, Ill
George H Lincks, 312 Bridge St, Bklyn, N Y
*Julian W Lyon, 7 Dey St, N Y 7
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
McKesson & Robbins, 155 E 44 St, N Y 17
*Meer Corp, 318 W 46 St, N Y 19
Mutchler Chem Co, 258 Broadway, N Y 7
*S B Penick & Co, 50 Church St, N Y 7
Phillips & Jacobs, 620-22 Race St, Phila, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Stein, Hall & Co, 285 Madison Ave, N Y 17
O J Weeks Co, 16 Hudson St, N Y 13
Welch, Holme & Clark Co, 439 West St, N Y 14
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

GUM, KAURI (Kauri Resin)

Yellow, amber-like resin from New Zealand. Sp. gr. 1.050. M.P. 182-232°C. Sol. alcohol, turpentine, petroleum spirit, benzol; insol. water. Uses—mfr. varnishes, Japans, paints, cements, amber substitutes, linoleum, oil-cloth. Grades—various as to color and size of pieces.

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
*Innis, Speiden & Co, 117 Liberty St, N Y 6
George H Lincks, 312 Bridge St, Bklyn, N Y
*Meer Corp, 318 W 46 St, N Y 19
*U S Industrial Chem, 60 E 42 St, N Y

SPIRIT AND OIL SOLUBLE GUMS AND RESINS

BATAVIA DAMAR	BATU EAST INDIA	SANDARAC
SINGAPORE DAMAR	PONTIANAK	MASTIC
SIAM DAMAR	MANILA COPAL	ELEMI
PALE EAST INDIA	CONGO COPAL	SYNTHETIC RESINS
BLACK EAST INDIA	YACCA (ACCROIDES)	

PROCESSED NATURAL RESINS

FUSED CONGO COPAL — DEWAXED DAMAR

O. G. INNES CORPORATION
82 Wall St., New York 5, N. Y.
Telephone: HAnover 2-7450

*Company classifies itself as manufacturer or producer of this product

GUMS and RESINS

FOR INFORMATION

FOR SAMPLES • • •

GRACELAND 7-3030

FRED L. BROOKE CO.

3340 NORTH HALSTED ST.

CHICAGO 19 • ILLINOIS

GUM, KINO

Inspissated juice of Pterocarpus marsupium. Habitat—Western Africa, East India, Ceylon, Bengal. Uses—in tanning leather; textile sizing; in medicine. Grades—tech.

*Meer Corp, 318 W 46 St, N Y 19
*S B Penick & Co, 50 Church St, N Y 7

GUM LAC see Shellac

GUM, LOCUST BEAN (Tragasol)

Produced from the seeds of the carob tree which has extensive sources around the Mediterranean basin from Spain to Palestine. Uses—principally as sizing agent in textile mfr.

Agazarian & Co, 99 Hudson St, N Y 13
Wm M Allison & Co, 162 Water St, N Y 38
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
Alfred B Brown Associates, 59 Pearl St, N Y 4
John Clarke & Co, 420 Lexington Ave, N Y 17
Colony Import & Export Corp, 11 E 44 St, N Y 17
*Frank Corwin, 149 Church St, N Y 7
*Dodwell & Co, 120 Wall St, N Y 5
T M Duche & Sons, 117-119 Hudson St, N Y 13
Paul A Dunkel & Co, 1 Wall St, N Y 5
K Eurenjy, 220 Broadway, N Y 7
*Hathaway Allied Products, 2024 Westgate Ave, Los Angeles 25, Cal
Philip A Houghton, 30 Huntington Ave, Boston, Mass
*Innis, Speiden & Co, 117 Liberty St, N Y 6
Linder & Co, 296 N Beacon St, Boston 35, Mass
Herbert Marmorek & Son, 2153 78 St, Bklyn 14, N Y
Morningstar Nicol, 630 W 51 St, N Y 19
Paisley Products, 630 W 51 St, N Y
Herbert H Parker, 2 Broadway, N Y 4
*S B Penick & Co 50, Church St, N Y 7
F M Speekman Co, 141 Quint St, San Francisco 24, Cal
J U Starkweather Co, 241 Allens Ave, Providence, R I
O J Weeks Co, 16 Hudson St, N Y 13
Welch, Holme & Clark Co, 439 West St, N Y 14
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

GUM, MACASSAR

A general name given a large group of gums whose principal shipping port is Macassar. (See Gum Manila, Gum East India, Gum Pontianak, etc., for details). Grades—tech.

GUM, MACASSAR, continued

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
D Hecht & Co, 510 Battery St, San Francisco 11, Cal
O G Innes Corp, 82 Wall St, N Y 5
George H Lincks, 312 Bridge St, Bklyn, N Y
J B Ruth & Co, 114 S Central Ave, Los Angeles 12, Cal
Wm H Scheel, 38 Franklin St, Bklyn 22, N Y
*U S Industrial Chem, 60 E 42 St, N Y

GUM, MANILA (Manila)

Yellowish to brownish-yellow masses. From Agathis alba and Dammara orientalis. Habitat—Philippines. Sp. gr. 1.065 and 1.060. M.P. 190°C and 120°C. Saponification No. 87.0 and 185.1. Acid No. 72.8 and 145.2. Sol. ether, alcohol, methanol, mixtures of amyl and ethyl alcohol; insol. turpentine; partially sol. acetone. Uses—mfr. varnishes, lacquers, enamel paints. Grades—tech.

*Acme Shellac Products Co, 108 Blanchard St, Newark 5, N J
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
T G Cooper & Co, 2400 E Venango St, Phila 34, Pa
Gillespie-Rogers-Pyatt Co, 75 West St, N Y 6
O G Innes Corp, 82 Wall St, N Y 5
George H Lincks, 312 Bridge St, Bklyn, N Y
Wm H Scheel, 38 Franklin St, Bklyn 22, N Y
Stein Hall & Co, 285 Madison Ave, N Y 17
*U S Industrial Chem, 60 E 42 St, N Y

GUM, MASTIC (Mastiche, Mastix, Pistachia Galla)

Pale yellowish or greenish transparent resin. Derived from Piscati alenticus. Sp. gr. 1.04-1.07. M.P. 105-120°C. Acid No. 50-70. Saponification No. 82-93. Sol. acetone, alcohol, oil of turpentine. Uses—mfr. spirit varnishes, lacquers, adhesives, incense, chewing gum, lithography; in medicine. Grades—N.F. (Pistacia Lentisus): tears; sorts; U.S.P.; tech.

City Chem Corp, 132 W 22 St, N Y 11
K Eurenjy, 220 Broadway, N Y 7
O G Innes Corp, 82 Wall St, N Y 5
George H Lincks, 312 Bridge St, Bklyn, N Y
*Meer Corp, 318 W 46 St, N Y 19
*S B Penick & Co, 50 Church St, N Y 7
Wm H Scheel, 38 Franklin St, Bklyn 22, N Y
A J Wittenberg Corp, 29-29 41 Ave, L I C 1, N Y

GUM, MYRRH (Herrabol Myrrh)

Gum resin of Commiphora Myrrh. Irregular brown tears. Habitat—Nubia, Somaliland, Arabia. Sp. gr. 1.12 to 1.28. Acid No. 60-70. Saponification No. 159-230. Uses—mfr. dental preps.; in cosmetics, incense, paints, varnishes, lacquers, dye preps.; in medicine. Grades—U.S.P.; ordinary; select.

Wm M Allison & Co, 162 Water St, N Y 38
K Eurenjy, 220 Broadway, N Y 7
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Meer Corp, 318 W 46 St, N Y 19
*S B Penick & Co, 50 Church St, N Y 7
Wm H Scheel, 38 Franklin St, Bklyn 22, N Y
Tombarel Products Corp, 12 E 22 St, N Y 10

GUM, OLIBANUM

Clear yellow resin from Boswellia Carteri. Habitat—British India. Odor of incense, gray to brown, in lumps and granules. Uses—mfr. of incense, aromatic oils, perfumes, pastilles, fumigating powd. Grades—tears and siftings.

Agazarian & Co, 99 Hudson St, N Y 13
Wm M Allison & Co, 162 Water St, N Y 38
*Frank Corwin, 149 Church St, N Y 7
K Eurenjy, 220 Broadway, N Y 7
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Herbert Marmorek & Son, 2153 78 St, Bklyn 14, N Y
*Meer Corp, 318 W 46 St, N Y 19
*S B Penick & Co, 50 Church St, N Y 7
Tombarel Products Corp, 12 E 22 St, N Y 10

GUM, OPOPANAX

Oleo-gum-resin of reddish-yellow color; unpleasant odor; bitter, acrid taste. Derived from exudation of Opoponax chironium, native to the Levant and southern France, Italy and Greece. Sol. partly in water.

K Eurenjy, 220 Broadway, N Y 7
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*S B Penick & Co, 50 Church St, N Y 7
Tombarel Products Corp, 12 E 22 St, N Y 10

GUM, PONTIANAK (Jelutong)

Derived from species of Dyera. Habitat—Malacca, Borneo. Sp. gr. 1.037. M.P. 135°C. Saponification No. 186.5. Acid No. 134. Iodine No. 119-142. Sol. turpentine, alcohol, ether, benzol, amyl alcohol, hot caustic alkali; partially sol. volatile oils, carbon disulfide, chloroform; insol. water, benzene, benzine. Uses—mfr. paints, varnishes, chewing gum, linoleum, oilcloth, rubber compositions. Grades—tech.

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Gillespie-Rogers-Pyatt Co, 75 West St, N Y 6
D Hecht & Co, 510 Battery St, San Francisco 11, Cal
O G Innes Corp, 82 Wall St, N Y 5
George H Lincks, 312 Bridge St, Bklyn, N Y
*U S Industrial Chem, 60 E 42 St, N Y

GUM, RED see Gum, Accroides

GUM, SANDARAC (Juniper Gum, Sandarach)

Derived from Callitris quadrivolvis. Habitat—Morocco. Light yellow tears, brittle and translucent. Sp. gr. 1.04. M.P. 135-149°C. Acid No. 95-160. Saponification No. 143. Sol. alcohol, ether, amyl alcohol, hot alkalies; partly sol. carbon disulfide, chloroform, oil of turpentine. Uses—mfr. paints, varnishes, lacquers, dental cements, incense, erasers, linoleum, oilcloth; as fumigant. Grades—tech. (Callitris Quadrivolvis).

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Chem Service Corp, 82 Beaver St, N Y 5
K Eurenjy, 220 Broadway, N Y 7
O G Innes Corp, 82 Wall St, N Y 5
George H Lincks, 312 Bridge St, Bklyn, N Y
*Meer Corp, 318 W 46 St, N Y 19
Herbert H Parker, 2 Broadway, N Y 4
*S B Penick & Co, 50 Church St, N Y 7
*U S Industrial Chem, 60 E 42 St, N Y

GUM, SENEGAL—see also Gum Arabic

Variety of gum Arabic. Habitat—West Africa. Sp. gr. 1.400. Uses—mfr. paints, varnishes, lacquers, artist's water colors, baked products, confectionery, inks, adhesives, mucilage; in process engraving; binding books; treating textiles and paper; as ceramic ingredient; in medicine. Grades—as to quality.

Paul A Dunkel & Co, 1 Wall St, N Y 5
George H Lincks, 312 Bridge St, Bklyn, N Y

GUM, SENEGAL see Gum, Arabic

GUM, SHIRAZ

Uses—mfr. printing pastes for fabrics, shoe blackings, rubber compositions, glues, adhesive preps., sweetmeats, custard powd., pie fillings; oil-cloth, linoleum, varnishes; in printing and lithography; coating photographic paper. Grades—tech.

Paul A Dunkel & Co, 1 Wall St, N Y 5
*Innis, Speiden & Co, 117 Liberty St, N Y 6
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

GUM, STARCH see Dextrin

GUM, STYRAX

K Eurenjy, 220 Broadway, N Y 7
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Geo Lueders & Co, 427 Washington St, N Y 13
*Julian W Lyon, 7 Dey St, N Y 7
Herbert Marmorek & Son, 2153 78 St, Bklyn 14, N Y
*Meer Corp, 318 W 46 St, N Y 19
*S B Penick & Co, 50 Church St, N Y 7

GUM, SYNTHETIC see Dextrin

GUM, THUS (Olibanum, Frankincense)

Gum resin from Boswellia Carterii Birdwood. Habitat—Egypt, Somaliland. Vol. oil 3-8%; resin 60-70%; bitter principle; gum (27-35%). Uses—in fumigation; in medicine.

Innis, Speiden & Co, 117 Liberty St, N Y 6
*S B Penick & Co, 50 Church St, N Y 7

GUM, TRAGACANTH (Goat's Horn, Hog Gum, Gum Dragon)

Derived from Astragalus gummifer. Habitat—Levant. White, amorp., ribbon-shaped bands. Sp. gr. 1.384. Sol. alkaline solutions, aqueous peroxide of hydrogen solutions. Uses—mfr. shoe and metal polishes, cosmetics, toilet preps.; as ingredient in printing textiles, pyrotechnic and match head compositions; emulsifying agent for various chemical purposes; in dressing leather; in medicine. Grades—U.S.P. (Astragalus Gummifer): Aleppo Turkish: Nos. 1 to 6 as to quality. Ribbons and powd.; Indian (see Karaya).

Agazarian & Co, 99 Hudson St, N Y 13
American-British Chem Supplies, 180 Madison Ave, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
E S Browning, 1515 3 St, San Francisco, Cal
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
Colony Import & Export Corp, 11 E 44 St, N Y 17
Continental Chem Co, 195 21 Ave, Paterson, N J
*Frank Corwin, 149 Church St, N Y 7
D S Dallal, 261 5 Ave, N Y 16
*Dodwell & Co, 120 Wall St, N Y 5
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
T M Duche & Sons, 117-119 Hudson St, N Y 13
Paul A Dunkel & Co, 1 Wall St, N Y 5
K Eurenjy, 220 Broadway, N Y 7
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Hathaway Allied Products, 2024 Westgate Ave, Los Angeles 25, Cal
*J L Hopkins & Co, 477-Keap St, Bklyn 11, N Y
Philip A Houghton, 30 Huntington Ave, Boston, Mass
*Innis, Speiden & Co, 117 Liberty St, N Y 6

*Company classifies itself as manufacturer or producer of this product



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Complete Line of Gypsum Plasters for all industrial uses including:

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Industrial Division

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GUM, TRAGACANTH, continued

Walter H Jelly & Co, 420 N Western Ave, Chicago 12, Ill
Frederick D Keller & Son, 150 Nassau St, N Y 7
George H Lincks, 312 Bridge St, Bklyn, N Y
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
T F McAdam, 125 Broad St, N Y 4
McKesson & Robbins, 155 E 44 St, N Y 17
*Meer Corp, 318 W 46 St, N Y 19
Mutchler Chem Co, 258 Broadway, N Y 7
Wm D Neuberg Co, 420 Lexington Ave, N Y 17
*S B Penick & Co, 50 Church St, N Y 7
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
F M Speekman Co, 141 Quint St, San Francisco 24, Cal
J U Starkweather Co, 241 Allens Ave, Providence, R I
Stein Hall & Co, 285 Madison Ave, N Y 17
O J Weeks Co, 16 Hudson St, N Y 13
Welch, Holme & Clark Co, 439 West St, N Y 14
Western Chem, Ft S W Gibbs St, Portland, Ore
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

GUM, VEGETABLE see Dextrin

GUM, YACCA see Gum, Accroides

GUM, YELLOW see Gum, Accroides

GUM, ZANZIBAR (Animi Gum)

Variety of copal from Zanzibar. Derived from species of Trachylobium. Insol. most solvents. Uses—mfr. varnishes, lacquers. Grades—bean, pea; sorts.

O G Innes Corp, 82 Wall St, N Y 5
*U S Industrial Chem, 60 E 42 St, N Y

GUMS, BOOT AND SHOE

Adhesives used in place of sole stitching operation in shoe manufacture.

*Paisley Products, 630 W 51 St, N Y

GUMS, ENVELOPE

Adhesives used in envelope manufacture.

*Morningstar Nicol, 630 W 51 St, N Y 19
*Paisley Products, 630 W 51 St, N Y
*Precision Testing Labs, P O Box 973, Worcester 1, Mass
Stein Hall & Co, 285 Madison Ave, N Y 17

GUMS, ESTER

Glyceryl, methyl, and ethyl esters of abietic acid (rosin). Sol. amyl acetate, chloroform, turpentine. Glycerine derivative. B.P. 290°C cellulose lacquers: with tung oil for waterproofing varnishes. Grades—glycerin resinates graded as to color. Uses—in place of copal, damar, and kauri gums in paints, enamels.

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
Chem Service Corp, 82 Beaver St, N Y 5
*Crosby Chem, Drawer 32, De Ridder, La
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Industrial Resin Corp, Jefferson Rd, Whippany, N J
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
*C J Osborn Co, 132 Nassau St, N Y
*Pennsylvania-Falk Chem Co, P O Box 1075, Pittsburgh 30, Pa
*U S Industrial Chem, 60 E 42 St, N Y
West Co, 132 Library St, Chelsea 50, Mass

GUMS, LACQUER

Natural or synth. gums employed in lacquer formulation to impart durability to the film. In the natural group the damars are most important. Kauri and copal next, followed by a miscellaneous list of the so-called varnish gums. In the synth. group ester gum. produced from glycerine, is widley used. also various types of synth. resins of the coal-tar, phenolic, alkyd, etc., types.

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
O G Innes Corp, 82 Wall St, N Y 5
*C J Osborn Co, 132 Nassau St, N Y
Plastichemicals Co, 1 Beekman St, N Y 38
*U S Industrial Chem, 60 E 42 St, N Y

GUMS, PAPER BOX MAKERS'

Specialized adhesives used in the paper box and corrugated carton industries.

*Arabol Mfg Co, 110 E 42 St, N Y 17
*Morningstar Nicol, 630 W 51 St, N Y 19
*Paisley Products, 630 W 51 St, N Y
*Precision Testing Labs, P O Box 973, Worcester 1, Mass

GUMS, SYNTHETIC

Gums used in the mfr. of varnishes, etc., produced synthetically (as contrasted with those of natural origin) as the ester gums, are important members of the group prepared from rosin. Other synth. gums are prepared for copal, kauri, and anime resins, and other hydroxy-compounds, such as resorcinol, phenol, or carbohydrates. See also Gum Ester; Resins, Synthetic.

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*Antara Products Div, 435 Hudson St, N Y 14
Bendix Chem Corp, 420 Lexington Ave, N Y
*Carlstadt Chem Co, Carlstadt, N J
O G Innes Corp, 82 Wall St, N Y 5
*Carl F Miller & Co, 1217 6 Ave S, Seattle, Wash
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*C J Osborn Co, 132 Nassau St, N Y
*Paisley Products, 630 W 51 St, N Y
*Precision Testing Labs, P O Box 973, Worcester 1, Mass
*U S Industrial Chem, 60 E 42 St, N Y

GUMS, TEXTILE PRINTING

Specially processed natural gums (boiled under pressure, clarified and filter-pressed to remove all traces of grit and foreign matter) and synthetically mfr. resins, used for machine printing on silk, rayon, or cotton. Requirements are: that they assist in effecting sharp prints, flow freely, and wash out easily.

*Antara Products Div, 435 Hudson St, N Y 14
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Bryant Chem Corp, 6 North St, N Quincy, Mass
*Dodwell & Co, 120 Wall St, N Y 5
*Eastern Color & Chem Co, 137 Canal St, Providence, R I
*Morningstar Nicol, 630 W 51 St, N Y 19
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Paisley Products, 630 W 51 St, N Y
*Penick & Ford, 420 Lexington Ave, N Y 17
*Polymer Industries, 284 Sheffield Ave, Bklyn 7, N Y
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Royce Chem Co, Carlton Ave, Carlton Hill, N J
*Tex-Chem Co, 20-21 Wagaraw Rd, Fairlawn, N J
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

GUMS, VARNISH (Natural)

Natural materials incorporated in varnishes, paints, lacquers, enamels, etc., to produce a hard and durable film. The principal varnish gums rated according to hardness are: Zanzibar Anime; Benguela; Angola; North Coast, or Accra; Kauri; Pontianak; Congo; Manila; East India; Sandarac; Damar.

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
P S Busschaert, 116 John St, N Y
Dalton-Cooper, 200 W 34 St, N Y
*Haeuser Shellac Co, 52 Warren St, Bklyn 2, N Y
D Hecht & Co, 510 Battery St, San Francisco 11, Cal
*Industrial Resin Corp, Jefferson Rd, Whippany, N J
O B Innes Corp, 82 Wall St, N Y 5
George H Lincks, 312 Bridge St, Bklyn, N Y
T F McAdam, 125 Broad St, N Y 4
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*C J Osborn Co, 132 Nassau St, N Y
Stein Hall & Co, 285 Madison Ave, N Y 17

GUMS, WATER-SOLUBLE

Broad term denoting those natural gums which are wholly or partially sol. in water as contrasted with the so-called varnish gums or spirit-soluble gums. Principal members of the group are Arabic, Locust Bean, Karaya, Tragacanth, etc.

*Algin Corp of America, 24 State St, N Y 4
P S Busschaert, 116 John St, N Y
*Frank Corwin, 149 Church St, N Y 7
Dalton-Cooper, 200 W 34 St, N Y
*Dodwell & Co, 120 Wall St, N Y 5
Paul A Dunkel & Co, 1 Wall St, N Y 5
*Hathaway Allied Products, 2024 Westgate Ave, Los Angeles 25, Cal

GUMS, WATER-SOLUBLE, continued

Hukill Chem Corp, 2533 Broadway, Cleveland 13, Ohio
*Innis, Speiden & Co, 117 Liberty St, N Y 6
H R Laist Co, 229 Rialto Bldg, San Francisco 5, Cal
George H Lincks, 312 Bridge St, Bklyn, N Y
*Meer Corp, 318 W 46 St, N Y 19
*Morningstar Nicol, 630 W 51 St, N Y 19
*Paisley Products, 630 W 51 St, N Y
*S B Penick & Co, 50 Church St, N Y 7
Plastichemicals Co, 1 Beekman St, N Y 38
*Tennessee Eastman Co, 10 E 40 St, N Y 16
*U S Industrial Chem, 60 E 42 St, N Y
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

GUMELINE see Dextrin

GUMMI GUTTAL see Gum, Gamboge

GUMTREE see Gum, Accroides

GYPSITE see GYPSUM

GYPSUM (Calcium Sulfate, Alabaster, Gypsite, Selenite, Satin Spar)—see also Calcium Sulfate

$CaSO_4 2H_2O$. M.W. 172.17. White, red, gray, yellow or blue—black or brown when impure—crystalline. Natural. Sp. gr. 2.32. Loses water at 163°C. Sol. hydrochloric acid, common salt, ammonium salts. Uses—mfr. plaster of Paris, ammonium sulfate and other inorganic chemicals, Keene's cement, special cement paints, imitation ivory products and other plastics, polishing powd., baking powd., self-raising flours; in fertilizer compositions; softening hard water in brewing; dyeing textiles and calicoes; smelting zinc ores; as manure preservative and soil stimulant; retarding agent in cements; paint filler and pigment; drier in oils, terra alba and other mineral pigments; filler for plaster-board, wallboard, tile, and blocks, making stucco; surface coating papers. (Note, these uses include those for Calcium Sulfate as well.) Grades—crude; ground; anhydrous. (See also Calcium Sulfate.)

J T Baker Chem Co, Phillipsburg, N J
Charles B Chrystal Co, 53 Park Pl, N Y 7
Dalton-Cooper, 200 W 34 St, N Y
Hammill & Gillespie, 225 Broadway, N Y 7
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Puerto Rico Alcohol Co, 370 7 Ave, N Y 1
L A Salomon & Bro, 216 Pearl St, N Y 38
*U S Gypsum Co, 300 W Adams St, Chicago 6, Ill
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

GYPSUM, AGRICULTURAL

Official definition of the Association of Official Agricultural Chemists: Gypsum, Land Plaster, or Crude Calcium sulfate, are products consisting chiefly of calcium sulfate. They may contain 20% combined water.

*U S Gypsum Co, 300 W Adams St, Chicago 6, Ill
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

HCN see Acid Hydrocyanic

HNM see Mannitol Hexanitrate

HAEMATOXYLUM see Logwood

HAHNEM AURIS MERCURY see Mercurous Chloride

*Company classifies itself as manufacturer or producer of this product

HARDENERS, CONCRETE

Chemicals and preps. which protect and preserve concrete, as concrete floors with heavy traffic, by reinforcing the porous structure and providing a smooth surface.

*Ceresit Waterproofing Corp, 3227 Shields Ave, Chicago 16, Ill
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Euclid Chem Co, 1534 Hayden Ave, E Cleveland 12, Ohio
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va

HARDENERS, PHOTOGRAPHIC

*Edwal Labs, Ringwood, Ill
*Philip A Hunt Co, Palisades Park, N J
Norman-Willets Co, 316 Washington St, Chicago 6, Ill

HARD LEAD see Antimonial Lead

HARDWOOD TAR see Tar, Wood

HEAT TRANSFER MEDIUMS

Preps. used for heat transfer and storage purposes. Used in power plant boilers, chemical processes, oil distillation, laboratory heating work, candy kitchens, linseed oil factories, and various process industries.

*Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2, Ohio
Croton Chem Corp, 114 Liberty St, N Y 6
*Dow Chem Co, Midland, Mich
*Dow Corning Corp, Midland, Mich
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div & Electrochem Dept, Wilmington 98, Del

HEAVY CARBURETTED HYDROGEN see Ethylene

HEAVY SPAR see Barium Sulfate

HELIANTHIN see Methyl Orange

HELIOTROPIN (Piperonal)

$CH_2O_2C_6H_3CHO$. M.W. 150 Colorless cryst. Sol. alcohol, ether. Uses—perfumery.

Bendix Chem Corp, 420 Lexington Ave, N Y
*Dodge & Olcott, 180 Varick St, N Y 14
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Geo Lueders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
Republic Chem Corp, 94 Beekman St, N Y 38
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J
O J Weeks Co, 16 Hudson St, N Y 13

HELIUM

He. Colorless, inert gas. Liquefies at —268.82°C. Uses—electric luminescent tubes, gas cells of lighter-than-air craft.

*Air Reduction Sales Co, 60 E 42 St, N Y 17
Thomas A Edison, P O Box 15, Stuyvesant Falls, N Y
*Linde Air Products Co, 30 E 42 St, N Y 17
*Liquid Carbonic Corp, 3100 S Kedzie Ave, Chicago 23, Ill
*Matheson Co, Paragon Div, E Rutherford, N J

HELLEBORE ROOT (Veratrum Viride)

Dried rhizome and roots of Veratrum Viride. Habitat—Eastern and Central U.S. Uses—in medicine. Grades—American U.S.P. (Veratrum Viride); black (Helleborus Niger); white (Veratrum Album).

Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Greer Drug Co, Box 800, Lenoir, N C
*Meer Corp, 318 W 46 St, N Y 19
Herbert H Parker, 2 Broadway, N Y 4
*S B Penick & Co, 50 Church St, N Y 7

HEMATEIN

$C_{16}H_{12}O_6$. Green to reddish-brown cryst. Uses—biological stain; indicator.

*American Dyewood Co, 285 Madison Ave, N Y
*Bernard Color & Chem Corp, 335 Hudson St, N Y
Hal Delphin & Co, 880 Bergen Ave, Jersey City 6, N J
*Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa

HEMATOIDIN see Bilirubin

HEMATOXYLIN (Hydroxybrasilin)

$C_{16}H_{14}O_6$. Yellow to brown cryst. which redden on exposure to light and air. Uses—widely used as a biological stain; in ink mfr., textile dyeing.

*American Dyewood Co, 285 Madison Ave, N Y
Chem Service Corp, 82 Beaver St, N Y 5
Conray Products, 510 6 Ave, N Y 11
*Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*National Aniline Div, 40 Rector St, N Y 6

HEMLOCK EXTRACT

Extract made from bark of Tsuga canadensis. Uses—mfr. boiler compounds; in tanning leather. Grades—liq.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Dyewood Co, 285 Madison Ave, N Y
*Bernard Color & Chem Corp, 335 Hudson St, N Y
F J Heap & Son, 65 High St, Boston, Mass

HEPARCALCIS see Calcium Sulfide

HEPATIC GAS see Hydrogen Sulfide

HEPTADECANOL

$C_{17}H_{35}OH$. M.W. 256.46. Colorless liq. B.P. 308.5°C. Sp. gr. 0.8475 at 20°C. Very sl. sol. in water. Uses—plasticizer intermediate; perfume fixative for cosmetic preps.; mfr. detergents.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Metropolitan Chem Co, 17 W 60 St, N Y 23

HEPTALDEHYDE

$CH_3(CH_2)_5CHO$. M.W. 114.18. Colorless liq. with a mild, pungent odor. Uses—prep. of various heptyl derivatives, intermediates, pharmaceuticals, synth. aromatic chemicals.

*Baker Castor Oil Co, 120 Broadway, N Y 5
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Wallace & Tiernan Products, 11 Mill St, Belleville 9, N J

HEPTANE (Methyl-Hexane, Dipropylmethane, Hexyl-Methane)

C_7H_{16}. M.W. 100.12. Commercial grade from natural gas. Boiling range 90-100°C. Sp. gr. 684. Uses—organic synthesis, organic analysis, solvents, prep. of laboratory reagents.

*American Mineral Spirits Co, 155 E 44 St, N Y 17
C P Chem Solvents, 60 Park Pl, Newark 2, N J
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Humble Oil & Refining Co, P O Box 2180, Houston 1, Tex
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

HEPTANOL-2 (Amylmethylcarbinol)

$CH_3CHOH(CH_2)_4CH_3$. M.W. 116.12. Liq. B.P. 158°C. Insol. water; sol. alcohol.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

n-HEPTYL BROMIDE (1-Bromoheptane)

$CH_3(CH_2)_5CH_2Br$. M.W. 134.6. Liq. Insol. water; miscible alcohol, ether.

*Halogen Chem, 1505 Charlton Dr, Columbia, S C
*Mathieson Co, Paragon Div, E Rutherford, N J
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

sec-HEPTYL BROMIDE

*Halogen Chem, 1505 Charlton Dr, Columbia, S C
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

n-HEPTYL IODIDE

$CH_3(CH_2)_5CH_2I$. M.W. 226.04. Liq. M.P.—48.2°C. B.P. 203.95°C. Insol. water; sol. alcohol.

*Halogen Chem, 1505 Charlton Dr, Columbia, S C

HEPTYL MERCAPTAN, tert.

$C_7H_{15}SH$. M.W. 132.48. B.R. 142-176°C. Use—chemical intermediate.

*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

HERBICIDES

*Chem Insecticide Corp, 57 13 St, Bklyn 15, N Y
*Chipman Chem Co, Bound Brook, N J
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Innis, Speiden & Co, 117 Liberty St, N Y 6
*Kolker Chem Works, 80 Lister Ave, Newark 5, N J
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
McKesson & Robbins, 155 E 44 St, N Y 17
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*National Aluminate Corp, 6216 W 66 Pl, Chicago 38, Ill
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
*John Powell & Co, 1 Park Ave, N Y 16
*Riverdale Chem Co, 324 E 147 St, Harvey, Ill
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
Wm M Stieh & Co, 20 Vesey St, N Y 7
*Tide Water Associated Oil Co, 79 New Montgomery St, San Francisco 20, Cal

HERRABOL MYRRH see Gum, Myrrh

HEXACHLOROBENZENE

C_6Cl_6. White cryst. solid. M.P. 224-227°C. Uses—as an intermediate.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American Firstoline Corp, 420 Lexington Ave, N Y
John A Chew, 60 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich
Fallek Products Co, 163 Broadway, N Y 6
Hummel Chem Co, 90 West St, N Y 6
*Kolker Chem Works, 80 Lister Ave, Newark 5, N J
Republic Chem Corp, 94 Beekman St, N Y 38
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Tuteur Bio-Chem, 60 Wall St, N Y 5

1,2,3,4,5,6, HEXACHLOROCYCLOHEXANE see Benzene Hexachloride

HEXACHLORO DIPHENYL OXIDE

*Dow Chem Co, Midland, Mich

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PERFUME BASES • VANILLA • FLAVOR BASES

*Company classifies itself as manufacturer or producer of this product

HEXACHLORO DIPHENYL OXIDE, continued

HEXACHLOROETHANE (Carbon Trichloride, Carbon Hexachloride, Perchloroethane)

C_2Cl_6. M.W. 236.74. White cryst., camphor odor. Sp. gr. 2.091. M.P. 185.6-185.7°C. B.P. sublimes at 185°C. Sp. Heat. 25°C. 0.175 g. cal. Heat of Sublimation (at subl. point), 11,000 g. cal./g. mole. Sol. alcohol, ether. When exposed to the air vaporizes slowly. Uses—mfr. intermediate and organic chemicals, accelerators; fireworks; fermentation retarding; as camphor substitute in celluloid; ingredient of safety explosives; in medicine. Grades—tech.

American Firstoline Corp, 420 Lexington Ave, N Y
*Dow Chem Co, Midland, Mich
Fallek Products Co, 163 Broadway, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38

HEXACHLOROPROPYLENE (Perchlorpropylene)

CCl_3-CCl:CCl_2. M.W. 249. Water-white; mild odor. Insol. water; miscible with alcohol, ether, chlorinated solvents. Uses—solvent and plasticizer for rubber and other polymeric materials; non-flammable hydraulic fluid.

*Halogen Chem, 1505 Charlton Dr, Columbia, S C

HEXADECANOL see Alcohol, Cetyl

HEXADECYL CHLORIDE see Cetyl Chloride

HEXADECYL MERCAPTAN, tert.

$C_{16}H_{33}SH$. M.W. 259.02. B.R. 126-150°C. Uses—rubber modification, insecticides, fungicides, chemical intermediate.

*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

HEXAETHYL TETRAPHOSPHATE

$C_{12}H_{30}O_{13}P_4$. M.W. 560.44. Light yellowish to dark liq. Uses—insecticide.

*Bios Labs, 17 W 60 St, N Y 23
Riverdale Chem Co, 324 E 147 St, Harvey, Ill
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

HEXAGLYCERINE see Trimethylolpropane

HEXAHYDROCRESOL see Methyl Cyclohexanol

HEXAHYDROPHENOL see Cyclohexanol

HEXAHYDROPYRAZINE see Piperazine

HEXAHYDROPYRIDINE see Piperidine

n-HEXALDEHYDE

$C_6H_{12}O$. M.W. 94.16. Colorless liq. possessing a sharp aldehyde odor. B.P. 129.0°C. Uses—mfr. plasticizers, rubber chemicals, dyes, synth. resins, insecticides; chemical syntheses.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

HEXALIN see Cyclohexanol

HEXAMETHYL IODIDE

Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y

HEXAMETHYLENE DIBROMIDE

*Bios Labs, 17 W 60 St, N Y 23
*Halogen Chem, 1505 Charlton Dr, Columbia, S C
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Sapon Labs, 543 Union St, Bklyn, N Y

HEXAMETHYLENEAMINE see Hexamethylenetetramine

HEXAMETHYLENETETRAMINE (Urotropin, Cystamin, Ammonioformaldehyde, Formin, Aminoform, Hexamine, Cystogen, Methenamine, Hexamethyleneamine, Galleformin)

$C_6H_{12}N_4$. Colorless cryst. M.P. 280.1°C. Sol. water, alcohol, chloroform. Uses—mfr. synth. resins, vulcanization accelerators, absorbent military gas masks, pharmaceutical derivatives; in medicine; waterproofing agent for glue for cork products. Grades—U.S.P.; rubber makers impalpable powd.

American-British Chem Supplies, 180 Madison Ave, N Y
*American Quinine Co, 15 William St, N Y

HEXYLRESORCINOL USP

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•

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HEXAMETHYLENETETRAMINE, continued

Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
De Bear Inc, 636 11 Ave, N Y 19
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Kingston Chem Co, 15 William St, N Y 5
A P Larsen Co, 29 Broadway, N Y 6
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
Mutchler Chem Co, 258 Broadway, N Y 7
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

HEXAMINE see Hexamethylenetetramine

HEXANE (Caproyl Hydride, Hexyl Hydride)

C_6H_{14}. M.W. 86.14. Usually colorless liq. Sp. gr. 0.658. F.P. —94°C. B.P. 69°C. Highly inflammable. Insol. water, sol alcohol, ether. Usually marketed in two grades, commercial, with B.R. 60-70° C and a sp. gr. of .667 and a normal grade with a B.R. of 65-67°C and a sp. gr. of .678, used largely for research purposes.

American Mineral Spirits Co, 555 S Flower St, Los Angeles, Cal
C P Chem Solvents, 60 Park Pl, Newark 2, N J
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*Humble Oil & Refining Co, P O Box 2180, Houston 1, Tex
*Humphrey-Wilkinson, De Vine St, N Haven, Conn
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
*Shell Oil Co, 50 W 50 St, N Y 20
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

HEXANITRO MANNITE see Mannitol Hexanitrate

HEXANOL see Alcohol, n-Hexyl

HEXESTROL

$C_{18}H_{22}O_2$. M.W. 270.36. Colorless crystalline powd. M.P. 185-188°C. Uses—pharmaceuticals, synth. hormone. Sol. ether, acetone, alcohol.

American Roland Corp, 16 Hudson St, N Y
*Arenol Chem Corp, 40-33 23 St, L I C 1, N Y
*Drug Labs, 408 N 3 St, Phila 23, Pa
*Fallek Products Co, 163 Broadway, N Y 6
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*J L Hopkins & Co, 477 Keap St, Bklyn 11, N Y
*Industrial Service Labs, 710 W National Ave, Milwaukee 4, Wis
Tuteur Bio-Chem, 60 Wall St, N Y 5

HEXONE (Methyl Isobutyl Ketone)

$(CH_3)_2CH.CH_2.COCH_3$. Liq. with agreeable odor. B.P. 118°C. Wt. 6.667 lbs. to gal. Sp. gr. .798 .804 at 20°/20°C. B.R. 115°-122°C. Acidity not more than .05% calc. as acetic acid. Flash 23°C. Solubility in water, 87% at 20°C. Sol. in acetone, alcohol, ether, hydrocarbons and must organic liq. Evaporate sl. faster than butyl acetate. Uses—solvent for nitrocellulose, gums, resins; used in lacquers as "medium-boiling" solvent.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
C P Chem Solvents, 60 Park Pl, Newark 2, N J
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

HEXYL BROMIDE (1-Bromohexane)

$C_6H_{13}Br$. M.W. 165.02. Colorless liq. M.P.—85°C. B.P. 156°C.

*Halogen Chem, 1505 Charlton Dr, Columbia, S C
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

HEXYL HYDRIDE see Hexane

n-HEXYL IODIDE (1-Iodohexane)

$C_6H_{13}I$. M.W. 212.03. Heavy, colorless to amber liq.; pleasant sweet odor. Sol. most organic solvents. Insol. water. Uses—intermediate in organic syntheses, in mfg. of pharmaceuticals.

*Halogen Chem, 1505 Charlton Dr, Columbia, S C

HEXYL MERCAPTAN

*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

n-HEXYL METHACRYLATE

$CH_2=C(CH_3)—COOC_6H_{13}$. M.W. 170. B.R. 88-92°C./16 mm. Sp. gr. 0.885. Uses—prep. of polymers and copolymers.

Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Rohm & Haas Co, Washington Sq, Phila 5, Pa

HEXYL-METHANE see Heptane

HEXYLMETHYL KETONE see Methyl Hexyl Ketone

HEXYL PYRIDINE

*Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind

HEXYLRESORCINOL (n-Hexyl 2,4-Dihydroxybenzene, Caprobol)

$C_{12}H_{18}O_2$. M.W. 194.2. A pale yellow, heavy liq. becoming solid on standing at room temp. Sol. alcohol. Used as a urinary antiseptic being more powerful than phenol and less toxic.

*American Quinine Co, 15 William St, N Y
American Roland Corp, 16 Hudson St, N Y
*Arenol Chem Corp, 40-33 23 St, L I C 1, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
City Chem Corp, 132 W 22 St, N Y 11
Conray Products, 510 6 Ave, N Y 11
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
*Desmo Chem Corp, 565 5 Ave, N Y 17
Fallek Products Co, 163 Broadway, N Y 6
*Fine Organics, 211 E 19 St, N Y 3
Gane & Ingram, 43 W 16 St, N Y 11
Keto Chem Co, 40-33 23 St, L I C 1, N Y
Lack Chem Co, 19 Park Pl, N Y 7
*Lamex Chem Corp, 25 Broadway, N Y 4
McKesson & Robbins, 155 E 44 St, N Y 17
*Polychem Co, 494 Hunts Point Ave, N Y 59
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
Red Star Chem Co, 40-33 23 St, L I C 1, N Y
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Winthrop-Stearns, 1450 Broadway, N Y 18

HISTAMINE (B-Iminoazolyl-4-Ethylamine, B-Aminoethylglyoxaline)

$C_5H_9N_3$. M.W. 111. White cryst. Uses—in medicine.

*American Quinine Co, 15 William St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Fallek Products Co, 163 Broadway, N Y 6
Gane & Ingram, 43 W 16 St, N Y 11
Kingston Chem Co, 15 William St, N Y 5
Lack Chem Co, 19 Park Pl, N Y 7
*Reade Mfg Co, 135 Hoboken Ave, Jersey City 2, N J
Smith-NY Co, 61 Hampton Pl, Freeport, N Y

*Company classifies itself as manufacturer or producer of this product

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Cables: Estrone, New York

HISTAMINE DIPHOSPHATE

$C_5H_9N_3.2H_3PO_4$. M.W. 307.18. White cryst. Uses—in medicine.

Gane & Ingram, 43 W 16 St, N Y 11
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Reade Mfg Co, 135 Hoboken Ave, Jersey City, 2, N J
Smith-NY Co, 61 Hampton Pl, Freeport, N Y

HISTAMINE, SALTS

*Bios Labs, 17 W 60 St, N Y 23
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Gane & Ingram, 43 W 16 St, N Y 11
Lack Chem Co, 19 Park Pl, N Y 7
*Mann Fine-Chem, 136 Liberty St, N Y 6
*Reade Mfg Co, 135 Hoboken Ave, Jersey City 2, N J
Smith-NY Co, 61 Hampton Pl, Freeport, N Y

HISTIDINE MONOHYDROCHLORIDE (a-Amino-B-Iminazolylpropionic Acid)

$C_6H_9O_2N_3.HCl$. M.W. 191.48. White cryst. Uses—in medicine.

*American Quinine Co, 15 William St, N Y
American Roland Corp, 16 Hudson St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
*Desmo Chem Corp, 565 5 Ave, N Y 17
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Gane & Ingram, 43 W 16 St, N Y 11
*Philip A Hunt Co, Palisades Park, N J
Kingston Chem Co, 15 William St, N Y 5
Lack Chem Co, 19 Park Pl, N Y 7
Lamex Chem Corp, 25 Broadway, N Y 4
*Nelson-Wells & Co, Box 348, Red Bluff, Cal
*Reade Mfg Co, 135 Hoboken Ave, Jersey City 2, N J
*Silas & Co, 3117 W Venice Blvd, Los Angeles 19, Cal
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y
*Winthrop-Stearns, 1450 Broadway, N Y 18

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Collidine, pure	Neostigmine MeSO4, USP	Calcium Glucoheptonate
Estrone U.S.P.	Benzocaine	Rare Sugars
Sodium Estrone Sulfate (Synthetic)	Calcium Pantothenate	Hyaluronidase
Estrogenic Substance	PABA	Soy Peptone
Diethylstilbestrol	PAS	Thiosalicylic Acid
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	Beeswax	Saccharin

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HISTIDINE, SALTS

*Bios Labs, 17 W 60 St, N Y 23
Gane & Ingram, 43 W 16 St, N Y 11
Lack Chem Co, 19 Park Pl, N Y 7
*Mann Fine-Chem, 136 Liberty St, N Y 6
*Reade Mfg Co, 135 Hoboken Ave, Jersey City 2, N J
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y

HOOFOIL see Oil, Neatsfoot

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*Ben Venue Labs, 270 Northfield Rd, Bedford, Ohio
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
*F L Bodman, Chestnut St, Phila 6, Pa
*Chem Service Corp, 82 Beaver St, N Y 16
*Chem Specialties Co, 22 E 40 St, N Y 16
Chemtech Products Corp, 62 William St, N Y 5
Conray Products, 510 6 Ave, N Y 11
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
*Desmo Chem Corp, 565 5 Ave, N Y 17
*Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Glidden Co, 5165 W Moffat St, Chicago 39, Ill
*Industrial Service Labs, 710 W National Ave, Milwaukee 4, Wis
*Lakeside Labs, 1707 E North Ave, Milwaukee 1, Wis
Lamex Chem Corp, 25 Broadway, N Y 4
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mann Fine-Chem, 136 Liberty St, N Y 6
*Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
Mutchler Chem Co, 258 Broadway, N Y 7
Nardini Co, 15 Moore St, N Y 4
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Edgar Ostrander Co, 220 5 Ave, N Y 1
*S B Penick & Co, 50 Church St, N Y 7
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
L B Russell Chem, 60 Orange St, Bloomfield, N J
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Silas & Co, 3117 W Venice Blvd, Los Angeles 19, Cal
*Soya Products Div, 1825 N Laramie Ave, Chicago 39, Ill
Sterol Derivatives, 3626 Medford St, Los Angeles 63, Cal
George Uhe Co, 76 9 Ave, N Y 14

HUMECTANTS

*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
Bendix Chem Corp, 420 Lexington Ave, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y 16
*Clinton Foods, Clinton, Iowa
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

HURR NUTS see Myrobalan Extract

HYALURONIDASE

*Bios Labs, 17 W 60 St, N Y 23
*Delton Products Corp, 154 Nassau St Dept A, N Y 17
*Dow Chem Co, Midland, Mich

HYDRACRYLONITRILE see Ethylene Cyanohydrin

HYDRARGILLITE see Aluminum Hydroxide

HYDRARGYRI CHLORIDUM CORROSIVUM see Mercuric Chloride

HYDRARGYRI CHLORIDUM MITE see Mercurous Chloride

HYDRARGYRI PERCHLORIDUM see Mercuric Chloride

HYDRARGYRI SUBCHLORIDUM see Mercurous Chloride

HYDRARGYRUM see Mercury

HYDRATED ALUMINA see Aluminum Hydroxide

HYDRATED COPPER OXIDE see Copper Hydroxide

HYDRATED IRON OXIDE see Ferric Hydroxide

HYDRAULIC FLUIDS

Celanese Corp of America, 180 Madison, N Y 16

HYDRAZINE BASE

Bendix Chem Corp, 420 Lexington Ave, N Y
*Bio Labs, 17 W 60 St, N Y 23
*Edwal Labs, Ringwood, Ill
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md

HYDRAZINE DIHYDROCHLORIDE

$N_2H_4 2HCl$. White crystalline powd. M.P. 198°C. Sol. water; sl. sol. alcohol. Uses—mfr. phenylhydrazine; in organic synthesis.

*Bios Labs, 17 W 60 St, N Y 23
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J

HYDRAZINE HYDRATE (Diamide Hydrate)

$H_2N.NH_2H_2O$. Liq. with alkaline reaction. Fumes on contact with air. Sp. gr. 1.037 (15°C). B.P. 119° C. Sol. alcohol, water; insol. chloroform, ether. Uses—in chemical analysis and synthesis.

City Chem Corp, 132 W 22 St, N Y 11
*Edwal Labs, Ringwood, Ill
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md

HYDRAZINE SULFATE (Diamine Sulfate)

$(NH_2)_2H_2SO_4$. Colorless cryst. or white crystalline powd. M.P. 254°C. Sol. water; insol. alcohol. Uses—as fungicide and germicide; reducing agent metallizing mirrors.

*J T Baker Chem Co, Phillipsburg, N J
*Bios Labs, 17 W 60 St, N Y 23
*Edwal Labs, Ringwood, Ill
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
Fallek Products Co, 163 Broadway, N Y 6
*Fine Organics, 211 E 19 St, N Y 3
Rosenthal-Bercow Co, 255 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

HYDRAZOBENZENE see Phenylhydrazine

HYDRAZOBENZOL see Hydrazobenzene

HYDROCARBON BLACK see Carbon Black

HYDROCARBONS see advertisements on pages 291, 294 and individual listings

HYDROCHINONE see Hydroquinone

HYDRODISODIUM PHOSPHATE see Sodium Phosphate, Di-Sodium

HYDROFURAMIDE

$(C_4H_3O\text{-}CH)_3N_2$. M.W. 268.26. Brownish-yellow solid. M.P. 115-120°C. Sol. alcohol, ether, chloroform, acetone. Insol. glycerin, turpentine Uses—synth. resins (curing agent), rubber accelerators, rubber anti-oxidants; fungicides for diseases of wheat, corn.

*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
*Quaker Oats Co, 341 Merchandise Mart Plaza, Chicago 54, Ill

HYDROGEN AMMONIUM FLUORIDE see Ammonium Bifluoride

HYDROGEN BROMIDE see Acid, Hydrobromic

HYDROGEN BROMIDE, ANHYDROUS

*Dow Chem Co, Midland, Mich
Matheson Co, Paragon Div, E Rutherford, N J
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

HYDROGEN CHLORIDE, ANHYDROUS

HCl. M.W. 36.47. Colorless gas or liq. Uses—for certain reactions where muriatic acid is not suitable, such as production of vinyl chloride from acetylene, alkyl chlorides from olefins, separating cotton from wool in reworking shoddy, production of arsenious chloride from arsenious oxide, delinting cotton and other chemical reactions.

*Bay Chem Co, 120 S LaSalle St, Chicago 3, Ill
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*Dow Chem Co, Midland, Mich
Matheson Co, Paragon Div, E Rutherford, N J
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Stauffer Chem Co, 420 Lexington Ave, N Y 17

HYDROGEN CYANIDE see Acid, Hydrocyanic

HYDROGEN DIAMMONIUM PHOSPHATE see Ammonium Phosphate, Di

HYDROGEN DIOXIDE see Hydrogen Peroxide

*Philip A Hunt Co, Palisades Park, N J

HYDROGEN FLUORIDE see Acid, Hydrofluoric

*Baker & Adamson Products, 40 Rector St, N Y 6
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Matheson Co, Paragon Div, E Rutherford, N J

HYDROGEN GAS

H_2. Colorless gas. Sp. gr. 0.06949. Solidifies —259.2°C. B.P. —252°C. Sol. water, alcohol, ether. Uses—mfr. synth. ammonia, electric light filaments, quartz, glassware synth. rubies and sapphires, platinum, organic chemicals, tungsten lamps; in hydrogenation oils, fats and hydrocarbon products; oxy-hydrogen welding flame; inflating balloons and airships; hydrogenizing naphthalene; hydrogenating agent in making intermediates; as photographic reagent. Grades—tech.; pure.

*Air Reduction Sales Co, 60 E 42 St, N Y 17
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Matheson Co, Paragon Div, E Rutherford, N J
*Ohio Chem & Surgcial Equipment Co, 1400 Washington Ave, Madison 10, Wis

HYDROGEN IODIDE see Acid, Hydriodic

HYDROGEN NITRATE see Acid, Nitric

HYDROGEN PEROXIDE (Hydrogen Dioxide, Perhydrol Peroxide, Ozogen Auricome)

H_2O_2. M.W. 34.02. Colorless liq. Sp. gr. anhydrous 1.4584. F.P. —2°C. B.P. 152.1°C. Miscible water, alcohol ether. Uses—mfr. synth. dyes, intermediates, organic chemicals, soaps; as antiseptic and disinfectant; bleaching, oxidizing and antiseptic agent for many purposes; general oxidizing agent in chemical processes; general food preservative and bleaching agent; bleach in photography; in removing traces of sulfur dioxide in bleaching fruits; bleaching flour, silk, wool, laces, ivory, straw, gelatin, wood, hair, bones, parchment, ostrich feathers,

Celanese®
CHEMICALS

HYDRAULIC FLUIDS
FLAME RESISTANT
LUBRICANT ADDITIVES

LINDOL* HF
tricresyl phosphate compounds

ACETALS
ALCOHOLS
ALDEHYDES
GLYCOLS
KETONES
OXIDES
PLASTICIZERS
SOLVENTS

See Celanese Advertisement in Catalog Section

CELANESE CORPORATION OF AMERICA
Chemical Division, Dept. 511
180 Madison Avenue, New York 16

District Sales Representation:
NEW YORK • BOSTON • CHICAGO • DETROIT
SAN FRANCISCO • BISHOP, TEXAS

*REG. U. S. PAT. OFF.

HYDRAZINE

• Base
• Hydrate
• Salts

FAIRMOUNT
CHEMICAL CO., INC.
600 Ferry Street Newark 5, N. J.

HYDROCARBONS

HIGH H W PURITY

Paraffins, Olefins, Alcohols and Ethers in the C_6 to C_{18} range.
Notably Pure and Free from Isomers.
Custom Manufacture of Aliphatic Compounds
Including Sodium Reductions.

HUMPHREY-WILKINSON
INCORPORATED
Chemical Manufacturers
DEVINE STREET, NORTH HAVEN, CONN.

*Company classifies itself as manufacturer or producer of this product

CARUS HYDROQUINONE

For photographic or industrial purposes.
Samples and prices submitted on request.

CARUS CHEMICAL CO., INC.

Box RB 364-27 LaSalle, Ill.

hydroquinone TECQUINOL

• Tecquinol (Eastman technical hydroquinone) is an economical raw material for many organic syntheses. It reacts readily with amines to yield p-aminophenols and p-phenylendiamines of high quality. Condensation with phthalic and other anhydrides occurs readily. Because of its reduction potential, it is very useful as a polymerization inhibitor for many monomers. Likewise, it is one of the most satisfactory arresters for peroxide-catalyzed polymerizations. Available in fiber-drum lots.

TENNESSEE EASTMAN COMPANY
Division of Eastman Kodak Company
KINGSPORT, TENNESSEE

EASTMAN INDUSTRIAL CHEMICALS

Sales Reps in principal cities—see ad in Catalog Section.

MATHESON

Headquarters for
HYDROGEN SULFIDE
AND 74 OTHER GASES
IN INDUSTRIAL AND LABORATORY CYLINDERS

Acetylene
Ammonia
Argon
Boron Trichloride
Boron Trifluoride
Butadiene
Butane
Butene 1
Butene 2
Carbon Dioxide
Carbon Monoxide
Chlorine
Chlorodifluoromethane ("Freon-22")
Cyclopropane
Dichlorodifluoromethane ("Freon-12")
Dichlorofluoromethane ("Freon-21")
1,1,1, Difluorochloroethane ("Genetron 101")
Dimethylamine
Dimethyl Ether
Ethane
Ethyl Chloride
Ethylene
Ethylene Oxide
Ethylidene Fluoride ("Genetron 100")
Helium
Hydrogen
Hydrogen Bromide
Hydrogen Chloride
Hydrogen Fluoride
Hydrogen Sulfide
Isobutane
Isobuylene
Krypton
Methane
Methyl Bromide
Methyl Chloride
Methyl Mercaptan
Monoethylamine
Monomethylamine
Neon
Neopentane
Nickel Carbonyl
Nitric Oxide
Nitrogen
Nitrogen Dioxide
Nitrous Oxide
Oxygen
Phosgene
Propane
Propylene
Sulfur Dioxide
Sulfur Hexafluoride
Trichlorofluoromethane ("Freon-11")
Trimethylamine
Vinyl Bromide
Vinyl Chloride
Vinyl Methyl Ether
Xenon

CONTROL APPARATUS
Reducing valves—Needle valves

Write for our latest Price List

The MATHESON Co.

East Rutherford, N. J. Joliet, Ill.

HYDROGEN PEROXIDE, continued

discolored teeth; preserving butter, milk, tanning extract and beer; tanning leather and disinfecting hides; refining and bleaching fats and oils; dyeing and printing textiles; sterilizing beer kegs and destroying growth in wort; electroplating reagent in metal solutions; bleaching and cleaning engravings; metal coloring; making sugar from starch; disinfecting drinking water and for sanitary purposes; in dentifrices and medicine. Grades—U.S.P. (10 vols.); tech. (10, 17, 25 and 100 vols).

Aetna Color & Chem Co, 60 Linden Ave, E Paterson, N J
American-British Chem Supplies, 180 Madison Ave, N Y
Amplex Co, 60 Wall St, N Y
J T Baker Chem Co, Phillipsburg, N J
*Becco Sales Corp, Station B, Buffalo 7, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Chem Mfg Co, 21 West St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
Harry Cohen, 982 Virginia Ave N E, Atlanta 6, Ga
Conray Products, 510 6 Ave, N Y 11
David & Co, 140 Market St, Paterson 1, N J
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Howe & French, Mfg Dept, E Weymouth, Mass
Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Leliarts Lane, E Paterson, N J
Legion Chem, 70 Wall St, N Y 5
*Lewis Co, 232 Canal St, N Y 13
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Mellin Chem, 45 N Broad St, Ridgewood, N J
Merchants Chem Co, 60 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Schuylkill Chem Co, 2354 Sedgeley Ave, Phila, Pa
Seaboard Industries, 195 Keen St, Paterson, N J
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Jos Turner & Co, Ridgefield, N J
Welch, Holme & Clark Co, 439 West St, N Y 14
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

HYDROGEN SULFATE see Acid, Sulfuric

HYDROGEN SULFIDE (Sulfuretted Hydrogen, Acid, Hydrosulfuric, Hepatic Gas)

H_2S. Colorless gas, offensive odor. Dens. (air=1) 1.189. Liquefies —85°C. B.P. —61.8°C. Sol. water, alcohol, ether. Uses—mfr. intermediates; as chemical reagent in laboratory; in purification of sulfuric and hydrochloric acids; metallurgy of copper, gold and silver.

*Barium Reduction Corp, Drawer 1, S Charleston 3, W Va
Ohio Chem & Surgical Equipment Co, 1400 Washington Ave, Madison 10, Wis
*Verona Chem Co, 26 Verona Ave, Newark, N J

HYDROQUINOL see Hydroquinone

HYDROQUINONE (p-Dioxybenzene, Hydrochinone, Hydroquinol, p-Hydroxybenzene, p-Hydroxyphenol)

$C_6H_4(OH)_2$. White, colorless cryst. Sp. gr. 1.330. M.P. 171°C. B.P. 285°C. Sol. water, alcohol, ether. Uses—mfr. intermediates, organic chemicals, synth. dyes, drugs; as photographic developer. Grades—photographic; tech.; U.S.P.

J T Baker Chem Co, Phillipsburg, N J
*Edward S Burke, 65 Pine St, N Y
*Carus Chem Co, Box 364, La Salle, Ill
Chem Service Corp, 82 Beaver St, N Y 5
Conray Products, 510 6 Ave, N Y 11
Fallek Products Co, 163 Broadway, N Y 6
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Philip A Hunt Co, Palisades Park, N J
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Boto Leopold, Woolworth Bldg, N Y 7
Maas Chem Co, 4570 Ardine St, S Gate, Cal
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Prentiss Drug & Chem Co, 110 William St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
L B Russell Chem, 60 Orange St, Bloomfield, N J
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Spring Chem, 239 E 141 St, N Y 51
*Tennessee Eastman Co, 10 E 40 St, N Y 16
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Wholesale Supply Co, Box 16337 Vine St Sta, Los Angeles 38, Cal
*Zinsser & Co, Railroad Ave, Hastings-On-Hudson, N Y

*Company classifies itself as manufacturer or producer of this product

HYDROQUINONE MONOBENZYL ETHER

George Uhe Co, 76 9 Ave, N Y 14
*Verona Chem Co, 26 Verona Ave, Newark, N J

HYDROSODIC CARBONATE see **Sodium Bicarbonate**

HYDROSULFITES see advertisements on page 295 and individual listings

HYDROUS FERRIC PEROXIDE see **Ferric Hydroxide**

HYDROUS IRON PEROXIDE see **Ferric Hydroxide**

HYDROTROPIC ALDEHYDE

p-HYDROXYBENZALDEHYDE

Colorless needles. M.P. 104°C. B.P. 240°C. Sol. water, alcohol, ether.

*Dow Chem Co, Midland, Mich
*Verona Chem Co, 26 Verona Ave, Newark, N J

p-HYDROXYBENZENE see **Hydroquinone**

HYDROXYBENZENE see **Phenol**

p-HYDROXY BENZOIC ACID ESTERS

*Goldschmidt Chem Corp, 153 Waverly Pl, N Y 14
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
*Heyden Chem Corp, 290-300 River Drive, Garfield, N J
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

HYDROXYBRASILIN see **Hematoxylin**

HYDROXYBUTANE see **Alcohol, Butyl Normal**

HYDROXYBUTYRALDEHYDE see **Aldol**

b-HYDROXYBUTYRALDEHYDE see **Aldol**

o-HYDROXY-CINNAMIC LACTONE see **Coumarin**

HYDROXYCITRONELLAL

$C_{10}H_{20}O$. M.W. 172. Faintly yellow, almost colorless liq. B.P. 94-96°C. at 1 mm. Uses—perfumery.

*P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Geo Lueders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
Polak & Schwartz, 667 Washington St, N Y 14
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

HYDROXYCITRONELLOL

*Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
Tombarel Products Corp, 12 E 22 St, N Y 10

2-HYDROXY-p-CYMENE see **Carvacrol**

2-HYDROXYETHYL AMINE ETHANOLAMINE see **Monoethanolamine**

HYDROXYETHYL CELLULOSE

Exact chemical structure not yet determined. Snow-white, free-flowing powder. Sol. water. Uses—film-forming material, sizing agent, binder, thickener, and protective colloid in aqueous dispersions; adhesive for paper, wood and cloth; warp size for cellulose acetate, rayon, cotton; excellent carrier for pigments and dyes.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

n-HYDROXYETHYL MORPHOLINE

$C_2H_4OC_2H_4NC_2H_4OH$. M.W. 131.17. Colorless liq. B.P. 225.5°C. Sol. water. Uses—to form fatty acid ester for textile and metal oil emulsifier; corrosion inhibitor.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

HYDROQUINONE

PHOTOGRAPHIC AND
TECHNICAL GRADES FOR
ALL PURPOSES

METOL

(Monomethylparaminophenol Sulfate)

Registered Trade-mark
Sole Licensee

ZINSSER & COMPANY, Inc.
Hastings-on-Hudson, N. Y.
Established 1897

8 HYDROXY
QUINOLINE BASE
and derivatives

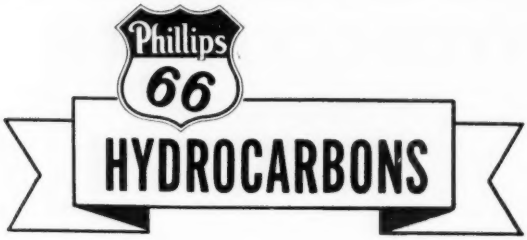
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PARA AMINO
BENZOIC ACID
and Sodium Salt

Manufactured by
GAMMA CHEMICAL CORP.
Great Meadows, N. J.

Sole Sales Agents
Fisher CHEMICAL COMPANY, Inc.
60 E. 42nd STREET, NEW YORK 17, N. Y. • MUrray Hill 2-2587-8-9
Cable Address: PHARCHEM

*Company classifies itself as manufacturer or producer of this product



AVAILABLE PHILLIPS 66 HYDROCARBONS LISTED BELOW	GRADE Research	Pure (99%)	Technical (95%)	Commercial
PARAFFINS				
Methane	X	X		
Ethane	X			
Propane	X	X	X	
Isobutane	X	X	X	
Normal Butane	X	X	X	
2,2-Dimethylpropane	X	X	X	
Isopentane	X	X	X	X
Normal Pentane	X	X	X	X
2,2-Dimethylbutane	X	X	X	
2,3-Dimethylbutane	X	X	X	X
2-Methylpentane	X	X	X	
3-Methylpentane	X	X	X	
Methylpentanes				X
Isohexanes				X
Normal Hexane	X	X	X	X
2,4-Dimethylpentane	X	X	X	
2,3-Dimethylpentane			X	
Isoheptanes				X
Normal Heptane	X	X		X
2,2,4-Trimethylpentane	X	X		
2,4-Dimethylhexane			X	
2,3-Dimethylhexane			X	
Mixed Octanes				X
Isooctanes				X
Normal Octane	X	X	X	
2,2,5-Trimethylhexane	X	X	X	
Normal Nonane	X	X	X	
CYCLOPARAFFINS				
Cyclopentane	X	X	X	X
Methylcyclopentane	X	X	X	
Cyclohexane	X	X	X	X
Methylcyclohexane	X	X	X	X
OLEFINS				
Ethylene	X			
Propylene	X	X	X	
Isobutylene	X	X	X	
Butene-1	X	X	X	
Butene-2, Low Boiling	X			
Butene-2, High Boiling	X	X	X	

AVAILABLE PHILLIPS 66 HYDROCARBONS LISTED BELOW	GRADE Research	Pure (99%)	Technical (95%)	Commercial
OLEFINS (Contd.)				
Butene-2 (Mixed)		X	X	
3-Methylbutene-1	X	X	X	
2-Methylbutene-1			X	
2-Methylbutene-2	X	X	X	
Pentene-1	X	X	X	
Pentene-2		X	X	
4-Methylpentene-1			X	
4-Methylpentene-2			X	
2-Methylpentene-2			X	
Hexene-1	X	X	X	
Hexene-2			X	
Heptene-3			X	
Heptene-2		X	X	
Isoheptenes				X
2,4,4-Trimethylpentene-1	X	X	X	
2,4,4-Trimethylpentene-2			X	
Octene-1		X	X	
Octene-2			X	
Isooctenes				X
2,6-Dimethylheptene-3			X	
CYCLOOLEFINS				
Cyclopentene	X			
Cyclohexene	X	X	X	
4-Methylcyclohexene-1			X	
4-Vinylcyclohexene-1	X	X	X	
DIOLEFINS				
Butadiene-1,3	X	X		
2-Methylbutadiene-1,3	X	X		
AROMATICS				
Benzene	X	X		
Toluene	X	X	X	
Ethylbenzene	X	X	X	
Ortho Xylene	X	X		
Mixed Xylenes		X	X	
Isopropylbenzene	X	X	X	
sec-Butylbenzene	X	X		
tert-Butylbenzene	X	X		
n-Butylbenzene	X		X	
1-Phenylbutene-2			X	



Di-2-HYDROXYETHYL SULFIDE see Thiodiethylene Glycol

HYDROXYISOBUTYRONITRILE see Acetone Cyanohydrin

4-HYDROXY-2 KETO-4-METHYLPENTANE see Alcohol, Diacetone

HYDROXYL AMINE ACID SULFATE

*Commercial Solvents Corp, 17 E 42 St, N Y 17

HYDROXYLAMINE HYDROCHLORIDE (Oxammonium Hydrochloride)

NH_2OHHCl. Colorless, hygroscopic cryst. M.P. 151°C. Decomp. on further heating. Sol water, glycerol, alcohol. Uses—mfr. intermediates, organic chemicals; as photographic developer; in medicine. Grades—tech. and C.P.

Amend Drug & Chem Corp, 117-119 E 24 St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Distillation Products Industries, Rochester 3, N Y
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
Philip A Hunt Co, Palisades Park, N J

HYDROXYLAMINE SULFATE (Oxammonium Sulfate)

$(NH_3OH)_2SO_4$. M.W. 164.14. Colorless liq. Uses—strong reducing agent; precipitation metals; powerful antiseptic; in bleaching; printing and dyeing; discharge of colors; developer in photography; oxidation inhibitor fatty acids. Grades—tech. solution.

*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

HYDROXYLAMMONIUM ACID SULFATE

$NH_2OH.H_2SO_4$. M.W. 131.11. Indefinite M. P. Uses—raw materials for the synthesis of dyestuffs, pharmaceuticals, etc.

*Commercial Solvents Corp, 17 E 42 St, N Y 17

HYDROXYLAMMONIUM CHLORIDE

($NH_2OH \cdot HCl$) M.W. 69.5. Melts at 152°C with decomposition. Uses—raw material for synthesis of dyestuffs, pharmaceuticals, etc.

*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

HYDROXYLAMMONIUM SULFATE

$(NH_2OH)_2 \cdot H_2SO_4$. M.W. 164.14. Melts at 162°C with decomposition. Uses—raw material for the synthesis of dyestuffs, pharmaceuticals, etc.

*Commercial Solvents Corp, 17 E 42 St, N Y 17

2-HYDROXY-3-METHOXY-BENZALDEHYDE (o-Vanillin)

$C_8H_8O_3$. M.W. 152.1. Yellowish crystalline solid. Uses—as antioxidant and as intermediate in chemical synthesis.

*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo

b-m-HYDROXYNAPHTHALENE see b-Naphthol

3-HYDROXY-2-NAPHTHOIC ACID see Acid, b-Hydroxy Naphthoic

HYDROXY-PARACYMENE see Thymol

HYDROXYPHENOL see Pyrocatechol

p-HYDROXYPHENOL see Hydroquinone

b-p-HYDROXYPHENYL-ALANINE see Tyrosine

HYDROXYPHENYLALANINE see Tyrosine-l, Natural

o-HYDROXY PHENYL MERCURIC CHLORIDE (o-Chloromercuriphenol)

$C_6H_4(OH)HgCl$. M.W. 329.11. White to faint pink, fine cryst. Sol. hot water, alkali, alcohol. Uses—highly antiseptic fungicides; for control of blue stain and sap stain in freshly sawed lumber.

*Edwal Labs, Ringwood, Ill
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J

*Company classifies itself as manufacturer or producer of this product

B-HYDROXYPROPIONITRILE see Ethylene Cyanohydrin

HYDROXYPYRUVIC ALDEHYDE

*Bios Labs, 17 W 60 St, N Y 23
*Scriptex Products Co, 513 S 2 St, Phila, Pa

8-HYDROXYQUINOLINE CITRATE see Oxyquinoline Citrate

HYDROXYQUINOLINE SULFATE

Benzol Products Co, 237 South St, Newark 25, N J
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
*Lamex Chem Corp, 25 Broadway, N Y 4
*Merck & Co, 100 Lincoln Ave, Rahway, N J

a-HYDROXYTOLUENE see Alcohol, Benzyl

m-HYDROXY TOLUENE see m-Cresol

HYPO see Sodium Hyposulfite

ICE STONE see Cryolite, Natural

ICHTHAMMOL

Conray Products, 510 6 Ave, N Y 11
*Fallek Products Co, 163 Broadway, N Y 6
*Gane & Ingram, 43 W 16 St, N Y 11
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Chas L Huisking & Co, 45 Clinton St, Bklyn 5 N Y
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Rubber Asphalt Oil & Mining Corp, 1833 Marney Ave, Los Angeles 32, Cal
George Uhe Co, 76 9 Ave, N Y 14

ICHTHYOCOLLA see Isinglass

ILMENITE (Menaccanite Titanic Iron Ore)

$FeO.TiO_2$. Brownish-black. Sp. gr. 4.44-4.90. Hardness 5-6. Uses—puddling-furnace linings, titanium paints and enamels, ferrotitanium.

American Firstoline Corp, 420 Lexington Ave, N Y
Chem Service Corp, 82 Beaver St, N Y 5
Florida Ore Processing Co, 9 S Clinton St, Chicago 6, Ill
Charles Gitlan & Co, 25 Beaver St, N Y 4
Millmaster Chem Corp, 420 Lexington Ave, N Y 17

IMIDAZOLE

$C_3H_4N_2$. White prismatic needles. Sol. water, alcohols, benzene. Uses—in medicine; reagent in testing blood constituents.

*Bios Labs, 17 W 60 St, N Y 23
*Edcan Labs, 10-20 Pine St, S Norwalk, Conn
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y

2-IMIDAZOLIDINETHIONE see Ethylene Thiourea

8-IMINOAZOLYL-4-ETHYLAMINE see Histamine

IMPERIAL GREEN see Copper Acetoarsenite

IMPREGNATING SOLUTIONS

Special types of thermosetting resins dissolved in suitable solvents used for impregnating paper and fabric laminated sheets, motor armatures, electrical coils, wood, composition: also for bonding resistance units, etc.

*Angler Products, 120 Potter St, Cambridge 42, Mass
*Dow Corning Corp, Midland, Mich
*Durez Plastics & Chem, 5 Walck Rd, N Towanda, N Y
*Monsanto Chem Co, Plastics Div, Springfield, Mass
C L Zimmerman Co, N-204 Cincinnati Union Terminal, Cincinnati 3, Ohio

INDIAN BALSAM see Balsam, Peruvian

INDIAN RED see Iron Oxide, Red

INDIAN SAFFRON see Turmeric

HYDROSULFITES

HYDROSULFITE A. W. C.
for stripping and discharge printing.
HYDROSULFITE OF SODA
for reduction of vat colors and bleaching fats.
HYDROSULFITE Q. D. (High and Fast Solubility)
HYDROSULFITE C W for pigment white discharge.
INDIGOLITE for white discharge on Indigo dyed fabrics.

JACQUES WOLF & CO.
Manufacturing Chemists & Importers
Passaic, N. J. • Carlstadt, N. J. • Los Angeles, Calif.

INDICATORS, ANALYTICAL

Solutions of dyes, which change color denoting passage from acidity to alkalinity or the reverse; substances which show the beginning or end of a chemical reaction; substances which indicate by color the pH of a solution.

Amend Drug & Chem Corp, 117-119 E 24 St, N Y
*Bersworth Chem Co, 609 Waverly St, Framingham, Mass
*E F Drew & Co, 15 E 26 St, N Y 10
*Eastern Chem Corp, 34 Spring St, Newark 2, N Y
*Hartman-Leddon Co, 5819-21 Market St, Phila, Pa
*National Aniline Div, 40 Rector St, N Y 6
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

INDIGO

Coloring medium derived chiefly from Indigofera Tinctoria. Habitat—India, Java, Guatemala. Dark blue, odorless, tasteless pieces or powd. Sol. concentrated sulfuric acid. Now largely produced synthetically. Uses—in printing and dyeing.

J T Baker Chem Co, Phillipsburg, N J
*Ciba Co, 627 Greenwich St, N Y 14
*Dow Chem Co, Midland, Mich
Fallek Products Co, 163 Broadway, N Y 6

INDIUM (Metal)

In. M.W. 114.8. A ductile trivalent metal of the aluminum sub-group with atomic number 49. It occurs in silver-gray crystalline masses, density 7.31. M.P. 155°C. It oxidizes readily above its M.P., burning with a brilliant violet flame at higher temps.

*American Smelting & Refining Co, 120 Broadway, N Y 5
*Anaconda Copper Mining Co, 25 Broadway, N Y 4
*Bios Labs, 17 W 60 St, N Y 23
City Chem Corp, 132 W 22 St, N Y 11
*Delta Chem Works, 23 W 60 St, N Y
*Indium Corp of America, 60 E 42 St, N Y

INDIUM OXIDE

In_2O_3. M.W. 277.52. Pale yellow salt. Uses—prep. of indium plating solution.

*American Smelting & Refining Co, 120 Broadway, N Y 5
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
*Indium Corp of America, 60 E 42 St, N Y

INDIUM SULFATE

$In_2(SO_4)_3.9H_2O$. M.W. 679.84. White crystalline salt. Uses—prep. of indium plating solution.

*American Smelting & Refining Co, 120 Broadway, N Y 5
*Indium Corp of America, 60 E 42 St, N Y

INDOLE (Ketol, Benzopyrrol, Benzazol)

$CH:CHC_6H_4NH$. M.W. 117.06. Colorless to yellowish scales, intense fecal odor. M.P. 52°C. B.P. 254°C. Sol. alcohol, ether, hot water. Uses—mfr. synth. jasmine and neroli oils; as reagent in chemical processes; in medicine. Grades—C.P.; tech.

*Bios Labs, 17 W 60 St, N Y 23
*Dodge & Olcott, 180 Varick St, N Y 14
*Dow Chem Co, Midland, Mich
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
Polak & Schwartz, 667 Washington St, N Y 14
Tombarel Products Corp, 12 E 22 St, N Y 10
Verona Chem Co, 26 Verona Ave, Newark, N J

INDOLONE

*U S Industrial Chem, 60 E 42 St, N Y

INFUSORIAL EARTH see Diatomaceous Earth

INHIBITORS, CORROSION

Variety of products used principally in the art of pickling iron and steel in various forms; to remove scale. Addition agents in acid solutions to control or prevent solution of metals. Some advantages of use of inhibitors are:—economy of acid and steel; reduction in the embrittlement effects of diffused hydrogen in the steel itself; in certain cases a large reduction in the fume or spray from the pickling tanks; reduction in maintenance costs.

*American Chem Paint Co, Ambler, Pa
American Lecithin Co, 57-01 32 Ave, Woodside, N Y
*Anderson-Stolz Corp, 1731-33 Walnut St, Kansas City, Mo
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Barrett Div, 40 Rector St, N Y 6
*Bell-Ray Chem Corp, 1608 W Clybourn St, Milwaukee 3, Wis

CHEMICALS — PER-CHEMICAL GFS PRODUCTS — APPARATUS

1, 10 (ORTHO)-PHENANTHROLINES
2, 2' - BIPYRIDYLS

THE G. FREDERICK SMITH CHEMICAL COMPANY
COLUMBUS, OHIO

VERITAS TAMETSI CAELA CADANT

*Company classifies itself as manufacturer or producer of this product

INHIBITORS, CORROSION, continued

*Cornwell Chem Corp, Cornwells Heights, Pa
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
*Dominion Products, 10-40 44 Dr, L I C 1, N Y
*E F Drew & Co, 15 E 26 St, N Y 10
*Elgin Softener Corp, Elgin, Ill
*Flexoid Products, 170 Summer St, Boston, Mass
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*London Chem Co, 325 W 32 St, Chicago, Ill
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis, Mo
*National Aluminate Corp, 6216 W 66 Pl, Chicago 38, Ill
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
*Reilly-Whiteman-Walton Co, P O Box 188, Conshohocken, Pa
*Rodgers Labs, 4135 S 6 St, Milwaukee 15, Wis
*Sharples Chem, 123 S Broad St, Phila 9, Pa
*F M Speekman Co, 141 Quint St, San Francisco 24, Cal
R T Vanderbilt Co, 230 Park Ave, N Y
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Warwick Chem Co Div, Wood River Junction, R I
*Witco Chem Co, 295 Madison Ave, N Y 17

INHIBITORS, FOAM

Products which are added in mfr. operations to prevent the formation of foam, as for example in the paper field where foam results in "pin heads" in the finished paper.

*Alrose Chem Co, 180 Mill St, Cranston 5, R I
*American Chem Paint Co, Ambler, Pa
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
*E F Drew & Co, 15 E 26 St, N Y 10
*Dow Corning Corp, Midland, Mich
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Harsyd Chem, Holland, Mich
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*M Michel & Co, 90 Broad St, N Y 4
*National Aluminate Corp, 6216 W 66 Pl, Chicago 38, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Paisley Products, 630 W 51 St, N Y
*Pennsylvania Detergents Co, 2238 N Philip St, Phila 33, Pa
L D Peters & Sons, 1133 Broadway, N Y 10
*Reilly-Whiteman-Walton Co, P O Box 188, Conshohocken, Pa
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

INHIBITORS, GASOLINE

Complex compounds added to gasoline to prevent the formation of gum.

*E I Du Pont de Nemours & Co, Organic Chem Dept, Petroleum Chem Div, Wilmington 98, Del
*Tennessee Eastman Co, 10 E 40 St, N Y 16

INHIBITORS, POLYMERIZATION

*Tennessee Eastman Co, 10 E 40 St, N Y 16

INKS, BAG

Inks used on jute or cotton bags which are to contain such commodities as slime, salt, fertilizer, flour, acid powders, fertilizer materials, etc.; must be highly resistant to alkalies and acids.

*American Printing Ink Co, 1810 Campbell St, Cincinnati 10, Ohio
*Bowers Printing Ink Co, 711 W Lake St, Chicago, Ill
*Braden Sutphin Ink Co, 3800 Chester Ave, Cleveland, Ohio
*John P Carlson, 420-422 Carroll St, Bklyn, N Y
*Gaetjens, Berger & Wirth, 35 York St, Bklyn 1, N Y
*Geigy Co, 89 Barclay St, N Y 8
*Ink & Chem Co, 550 5 Ave, N Y 19
*Levey Co, 41 E 42 St, N Y
*Pope & Gray, 95 Morton St, N Y 14
*Triangle Ink & Color Co, 305 E 45 St, N Y 17
W D Wilson Printing Ink Co, 5-38 46 Ave, L I C 1, N Y

INKS, BLOCK PRINTING

Uses—in making wood cuts, as in art work, for linoleum printing.

*American Printing Ink Co, 1810 Campbell St, Cincinnati 10, Ohio
*Braden Sutphin Ink Co, 3800 Chester Ave, Cleveland, Ohio
*John P Carlson, 420-422 Carroll St, Bklyn, N Y
*Triangle Ink & Color Co, 305 E 45 St, N Y 17
W D Wilson Printing Ink Co, 5-38 46 Ave, L I C 1, N Y

INKS, CARTON

Specialied inks which must have a high degree of lightfastness, resistance to paste, water glass (silicate of soda) and other adhesives, soap powd. soaps, etc. They should have a fair degree, at least, of resistance to acids and alkalies.

*American Printing Ink Co, 1810 Campbell St, Cincinnati 10, Ohio
*Bowers Printing Ink Co, 711 W Lake St, Chicago, Ill
*Braden Sutphin Ink Co, 3800 Chester Ave, Cleveland, Ohio
*John P Carlson, 420 Carroll St, Bklyn, N Y
*Chicago Ink & Research Co, 300 W Norhtwest HW, Mt Prospect, Ill
*Gaetjens, Berger & Wirth, 35 York St, Bklyn 1, N Y
*Geigy Co, 89 Barclay St, N Y 8
*Ink & Chem Co, 550 5 Ave, N Y 19
*Levey Co, 41 E 42 St, N Y
*Pope & Gray, 95 Morton St, N Y 14
*Triangle Ink & Color Co, 305 E 45 St, N Y 17
W D Wilson Printing Ink Co, 5-38 46 Ave, L I C 1, N Y

INKS, CELLULOSE MARKING

Specialized inks used for printing on cellophane, pyroxylin coatings, etc.

*Capitol Printing Ink Co, 806 Channing Pl N E, Wash 18, D C
W D Wilson Printing Ink Co, 5-38 46 Ave, L I C 1, N Y

INKS, DRAWING

*American Writing Ink Co, 15 Hathaway St, Boston 10, Mass
*Higgins Ink Co, 271 9 St, Bklyn 15, N Y
W D Wilson Printing Ink Co, 5-38 46 Ave, L I C 1, N Y

INKS, DUPLICATOR

Compounds formulated with basic dyes dissolved in a mixture of water, acid, alcohol and glycerol, etc. Uses—to make several copies of a master script.

*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*American Writing Ink Co, 15 Hathaway St, Boston 10, Mass
*Capitol Printing Ink Co, 806 Channing Pl N E, Wash 18, D C
*Ink & Chem Co, 550 Fifth Ave, N Y 19
*J Pomeroy Co, 26 Nicholson St, Newark 2, N J
W D Wilson Printing Ink Co, 5-38 46 Ave, L I C 1, N Y

INKS, GLASS ETCHING

Special preps., usually supplied in two separate bottles, portions from each are mixed just before use and in the chemical reaction hydrofluoric acid is formed which is the active etching agent.

McKay Chem Co, 880 Pacific St, Bklyn 17, N Y
*Sylvania Elec Products Co, Towanda, Pa
W D Wilson Printing Ink Co, 5-38 46 Ave, L I C 1, N Y

INKS, HOT WAX

Process inks used to print bottle caps for milk and cream and also drinking cups. Should have good lightfastness and possess good resistance to hot paraffin, and moisture as well as to the chemical action of milk and cream.

*American Printing Ink Co, 1810 Campbell St, Cincinnati 10, Ohio
*Bowers Printing Ink Co, 711 W Lake St, Chicago, Ill
Braden Sutphin Ink Co, 3800 Chester Ave, Cleveland, Ohio
*John P Carlson, 420-422 Carroll St, Bklyn, N Y
*Gaetjens, Berger & Wirth, 35 York St, Bklyn 1, N Y
*Levey Co, 41 E 42 St, N Y
*Triangle Ink & Color Co, 305 E 45 St, N Y 17
W D Wilson Printing Ink Co, 5-38 46 Ave, L I C 1, N Y

INKS, INDELIBLE

Specially formulated inks, many of them patented which cannot be erased out mechanically nor dissolved out from the paper and find their principal use in the writing of checks and other important documents to prevent changes, etc. Many countries, several states have specifications for the formulation of indelible or permanent inks.

*American Writing Ink Co, 15 Hathaway St, Boston 10, Mass
Applegate Chem Co, 5632 Harper Ave, Chicago 37, Ill
*John P Carlson, 420-422 Carroll St, Bklyn, N Y
*Chicago Ink & Research Co, 300 W Northwest HW, Mt Prospect, Ill
W D Wilson Printing Ink Co, 5-38 46 Ave, L I C 1, N Y

INKS, MARKING

Natural or chemically prepared products, usually containing silver nitrate, which is reduced on the fibre to a black deposit; used as laundry marks, etc.

*American Writing Ink Co, 15 Hathaway St, Boston 10, Mass
*John P Carlson, 420-422 Carroll St, Bklyn, N Y
*Chicago Ink & Research Co, 300 W Northwest HW, Mt Prospect, Ill
*Ink & Chem Co, 550 5 Ave, N Y 19
*Kem Labs, 101 E 144 St, Bronx 51, N Y
*Safran Chem & Supply Co, 531-33 Washington St, Lynn, Mass
W D Wilson Printing Ink Co, 5-38 46 Ave, L I C 1, N Y

MONSANTO HIBITITE

High-powered pickling inhibitor

General Information: HIBITITE—Reddish-brown powder, soluble in both concentrated sulfuric and muriatic acids.

1. Protects the metal by causing the acid to work on the scale and not on the metal.
2. Saves acid by making the acid work on the scale only.
3. Saves metal by preventing the acid from attacking it.
4. Promotes the production of clean, bright, high-quality steel.
5. Reduces acid spray and the corrosion and dangers caused by acid spray.
6. Reduces the possibility of embrittlement caused by hydrogen penetration.

Hibitite: Reg. U. S. Pat. Off.

For sample and full details, write:

MONSANTO CHEMICAL COMPANY,
Organic Chemicals Division,
St. Louis 4, Mo.

MONSANTO CHEMICALS—PLASTICS

SERVING INDUSTRY . . . WHICH SERVES MANKIND

*Company classifies itself as manufacturer or producer of this product

INKS, METAL STAMPING

*American Writing Ink Co, 15 Hathaway St, Boston 10, Mass
*Bowers Printing Ink Co, 711 W Lake St, Chicago, Ill
*Capitol Printing Ink Co, 806 Channing Pl N E, Wash 18, D C
*Chicago Ink & Research Co, 300 W Northwest HW, Mt Prospect, Ill
*Michel & Pelton Co, 5743 Landregan St, Oakland 8, Cal
*Scriptex Products Co, 513 S 2 St, Phila, Pa

INKS, METALLIC

Braden Sutphin Ink Co, 3800 Chester Ave, Cleveland, Ohio
*Capitol Printing Ink Co, 806 Channing Pl N E, Wash 18, D C
*John P Carlson, 420-422 Carroll St, Bklyn, N Y
*Levey Co, 41 E 42 St, N Y
*Pope & Gray, 95 Morton St, N Y 14

INKS, PARCHMENT

*American Printing Ink Co, 1810 Campbell St, Cincinnati 10, Ohio
*Bowers Printing Ink Co, 711 W Lake St, Chicago, Ill
Braden Sutphin Ink Co, 3800 Chester Ave, Cleveland, Ohio
*Capitol Printing Ink Co, 806 Channing Pl N E, Wash 18, D C
*John P Carlson, 420-422 Carroll St, Bklyn, N Y
*Gaetjens, Berger & Wirth, 35 York St, Bklyn 1, N Y
*Pope & Gray, 95 Morton St, N Y 14
*Triangle Ink & Color Co, 305 E 45 St, N Y 17

INKS, POSTER AND SIGN

*American Printing Ink Co, 1810 Campbell St, Cincinnati 10, Ohio
*Bowers Printing Ink Co, 711 W Lake St, Chicago, Ill
Braden Sutphin Ink Co, 3800 Chester Ave, Cleveland, Ohio
*Capitol Printing Ink Co, 806 Channing Pl N E, Wash 18, D C
*John P Carlson, 420-422 Carroll St, Bklyn, N Y
*Gaetjens, Berger & Wirth, 35 York St, Bklyn 1, N Y
*Levey Co, 41 E 42 St, N Y
*Triangle Ink & Color Co, 305 E 45 St, N Y 17

INKS, PRINTING AND LITHOGRAPHING

1. Newsprint inks which dry by absorption; 2. Book inks which dry by oxidation for use on sized papers; 3. Lithographic inks, which consist chiefly of bodied linseed oil and pigment or dye. Newsprint inks consist of rosin dissolved in mineral oil. Book inks usually contain rosin and other varnish gums, but very high grade inks of this type usually consist only of bodied linseed oil and special driers.

*American Printing Ink Co, 1810 Campbell St, Cincinnati 10, Ohio
Braden Sutphin Ink Co, 3800 Chester Ave, Cleveland, Ohio
*Bowers Printing Ink Co, 711 W Lake St, Chicago, Ill
*Capitol Printing Ink Co, 806 Channing Pl N E, Wash 18, D C
*John P Carlson, 420-422 Carroll St, Bklyn, N Y
*Gaetjens, Berger & Wirth, 35 York St, Bklyn 1, N Y
*Gotham Ink & Color Co, 5-19 47 Ave, L I C, N Y
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Ink & Chem Co, 550 5 Ave, N Y 19
*Levey Co, 41 E 42 St, N Y
*Pope & Gray, 95 Morton St, N Y 14
*Senefelder Co, 32-34 Greene St, N Y 13
*Triangle Ink & Color Co, 305 E 45 St, N Y 17

INKS, ROTOGRAVURE

Inks specially formulated for use in the rotogravure method of printing. They should have light fastness, cleanliness of tone, and be alkali proof, etc.

*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*John P Carlson, 420-422 Carroll St, Bklyn, N Y
*Gotham Ink & Color Co, 5-19 47 Ave, L I C, N Y
*Ink & Chem Co, 550 5 Ave, N Y 19
*Levey Co, 41 E 42 St, N Y
Schibley & Ossmann, 33 Public Sq, Cleveland, Ohio
*Sun Chem Co, Harrison, N J

INKS, SILK SCREEN

*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Levey Co, 41 E 42 St, N Y
*Switzer Bros, 4732 St Clair Ave, Cleveland 3, Ohio

INKS, SOAP WRAPPER

*American Printing Ink Co, 1810 Campbell St, Cincinnati 10, Ohio
*Bowers Printing Ink Co, 711 W Lake St, Chicago, Ill
Braden Sutphin Ink Co, 3800 Chester Ave, Cleveland, Ohio
*Capitol Printing Ink Co, 806 Channing Pl N E, Wash 18, D C
*Gaetjens, Berger & Wirth, 35 York St, Bklyn 1, N Y
*Levey Co, 41 E 42 St, N Y
*Pope & Gray, 95 Morton St, N Y 14
*Triangle Ink & Color Co, 305 E 45 St, N Y 17

INKS, STAMPING

*American Writing Ink Co, 15 Hathaway St, Boston 10, Mass
Braden Sutphin Ink Co, 3800 Chester Ave, Cleveland, Ohio
*Chicago Ink & Research Co, 300 W Northwest HW, Mt Prospect, Ill
*Gaetjens, Berger & Wirth, 35 York St, Bklyn 1, N Y
*I Pomeroy Co, 26 Nicholson St, Newark 2, N J
*Scriptex Products Co, 513 S 2 St, Phila, Pa

INKS, STENCIL

*American Writing Ink Co, 15 Hathaway St, Boston 10, Mass
*Capitol Printing Ink Co, 806 Channing Pl N E, Wash 18, D C
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

INKS, TYPEWRITER RIBBON

*Capitol Printing Ink Co, 806 Channing Pl N E, Wash 18, D C

INOSITOL (Hexahydroxybenzene, 1,2,3,4,5, 6-Cyclohexanehexol)

$C_6H_{12}O_6.2H_2O$. M.W. 216.2. A cyclic hexahydric alcohol found in the seeds of plants and in animal flesh in the form of its phosphoric acid ester. Optically inactive. White cryst. M.P. 200°C. (decomp). Sol. water; insol. alcohol, ether. It is part of the Vitamin B complex.

Amend Drug & Chem Corp, 117-119 E 24 St, N Y
Conray Products, 510 6 Ave, N Y 11
*Corn Products Refg Co, 17 Battery Pl, N Y 4
Fallek Products Co, 163 Broadway, N Y 6
Gen Biochem, 7 Laboratory Park, Chagrin Falls, Ohio
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Polychem Co, 494 Hunts Point Ave, N Y 59
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
George Uhe Co, 76 9 Ave, N Y 14

INSECTICIDE BASES

An insecticide is defined in the Insecticide Act of 1910 as "any substance or mixture of substances intended to be used for preventing, destroying, repelling or mitigating any insects which may infest vegetation, man or other animals or households or be present in any environment whatsoever." A few materials, such as sulfur dust, have both insecticidal and fungicidal value. Among the more common insecticides and fungicides are the arsenicals (Lead Arsenate, Calcium Arsenate, Paris Green, White Arsenic,

ARGO

Inositol

FORMULA (CHOH)6
MOLECULAR WT. 180

5 POUND JARS
50 POUND DRUMS

Obtainable from Chemical Division

CORN PRODUCTS REFINING CO.
17 Battery Place • New York 4, N. Y.

U.S.I. INSECTICIDE AND INSECTIFUGE MATERIAL

Insecticide Materials

CPR Concentrates
Piperonyl Butoxide
Piperonyl Cyclonene
*Pyrenone Concentrates
Pyrethrum Products
Rotenone Products

Insectifuge Materials

*Indalone
Triple-Mix Repellents

*Registered U. S. Pat. Off.

U. S. INDUSTRIAL CHEMICALS CO.
Division of National Distillers Products Corporation
Baltimore; Boston; Buffalo; Chicago; Cincinnati; Cleveland; Denver; Detroit; Kansas City, Mo.; Los Angeles; Louisville; Minneapolis; New Orleans; New York; Philadelphia; Pittsburgh; San Francisco; St. Louis

For QUALITY INSECTICIDES
depend on
POWCO BRAND

Allethrin
DDT - Chlordane
Pyrethrum & Pyrin
Piperonyl Butoxide
Rotenone - Sabadilla - Antu
2, 4-D & 2, 4, 5-T
BHC - Lindane
Toxaphene

POWCO BRAND
KILLING POWER—THAT'S THE THING!

John Powell & Co., Inc.
One Park Avenue,
New York 16, N. Y.
Representatives in Principal Cities of the World

*Company classifies itself as manufacturer or producer of this product



B H C
12%—36% Gamma
INSECTICIDES
D D T
100% Technical—Dust Concentrates
Wettable Powders—Emulsifiable Sols
The J. M. Baird Company
Cables: JOMBAIRD
147 NASSAU STREET, NEW YORK 38, N. Y. WOrth 4-0952

LINDANE
BASIC MANUFACTURERS AND FORMULATORS
Technical • Solutions
Emulsifiable Concentrates & Powders
CHEMICAL INSECTICIDE CORP.
57 13th ST. BROOKLYN 15, N. Y. SOuth 8-7141

GENERAL CHEMICAL
INSECTICIDES • FUNGICIDES
and Basic Toxicants

DDT Technical & Dust Base Spray Powders & Emulsions
BHC Technical & Dust Base Spray Powders & Emulsions
LINDANE Technical & Dust Base Spray Powders & Emulsion
DDD Dust Base & Spray Powder
LEAD ARSENATE Astringent, Basic & Standard
PARATHION Dust Base Spray Powder & Emulsions
CALCIUM ARSENATE Standard & Low Lime
NICOTINE Sulfate & Alkaloid
COTTON DUSTS Various Formulations
COTTON DEFOLIANT Potassium Cyanate
FUNGICIDES Coppers, Sulfurs and Mercury Organics: Ferbam, Ziram, Nabam
SPECIALTIES Spreader-Sticker Pre-harvest Sprays & Dusts
ROTENONE Dust Mixes
OTHER ORGANICS & INORGANICS

ORCHARD BRAND SPRAYS + DUSTS
See office listing in our Directory ad.
GENERAL CHEMICAL DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.
CABLE ADDRESS: "LYCURGUS" NEW YORK, N. Y.

INSECTICIDE BASES, continued

Sodium Arsenite Solution); sulfur compounds (Calcium Monosulfide, Lime Sulfur, Sulfur Dust); oils and organic compounds (Kerosene, Creosote Oil, Mineral Oil Emulsions, Petroleum Oil, Naphthalene, Paradichlorbenzene); Pyrethrum, Nicotine Sulfate, Derris, Cube. More important fungicides are Copper Sulfate, Zinc Chloride, Sodium Fluoride. Other products employed in the insecticide and fungicide fields include: Zinc Arsenite, Magnesium Arsenite, Magnesium Arsenate, Arsenical Cattle Dip, Copper Carbonate, Cryolite, Ethyl Mercuric Chloride, Pine-Tar Oil, Coal Tar Distillates, Acid Hydrocyanic, Carbon Disulfide, Ethylene Dichloride, Ethylene, Oxide, Calcium Cyanide, Sulfur Dioxide, Fluosilicates, etc.

American Firstoline Corp, 420 Lexington Ave, N Y
*American Mineral Spirits Co, 155 E 44 St, N Y 17
*Atlantic Refining Co, 260 S Broad St, Phila, Pa
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
Philipp Bauer Co, 2 W 47 St, N Y
S H Bell Co, 1514 Oliver Bldg, Pittsburgh 22, Pa
Chapman Chem Co, 707 Dermon Bldg, Memphis, Tenn
*Chem Insecticide Corp, 57 13 St, Bklyn 15, N Y
*Commercial Solvents Corp, 17 E 42 St, N Y 17
Dalton-Cooper, 200 W 34 St, N Y
*Derris Inc, 120 Wall St, N Y 5
*Dow Chem Co, Midland, Mich
*E F Drew & Co, 15 E 26 St, N Y 10
Duff Chem Co, 342 Madison Ave, N Y 17
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*B R Elk Co, 193 Palisade Ave, Garfield, N J
*Elston Chem, 3100 E 26 St, Los Angeles, Cal
*Evans Lead Corp, Box 1467, Charlestown 25, Va
*Floridin Co, 200 Liberty St, Warren, Pa
*Geigy Co, 89 Barclay St, N Y 8
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Hercules Powder Co, 9 & Market Sts, Wilmington, Del
International Ore & Fertilizer Corp, 500 5 Ave, N Y 18
*Julius Hyman & Co, Box 2171, Denver, Col
*Kay-Fries Chem, 180 Madison Ave, N Y 16
*Kolker Chem Works, 80 Lister Ave, Newark 5, N J
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Naugatuck Chem, Div of U S Rubber Co, Naugatuck, Conn
*Pan American Refining Corp, 122 E 42 St, N Y 17
*Pennsylvania Refining Co, 2688 Lisbon Rd, Cleveland, Ohio
*Riverdale Chem Co, 324 E 147 St, Harvey, Ill
*Shell Chem Corp, 50 W 50 St, N Y 20
*Shell Oil Co, 50 W 50 St, N Y 20
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn
Jos Turner & Co, Ridgefield, N J
*U S Industrial Chem, 60 E 42 St, N Y
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

INSECTICIDE CARRIERS, DILUENTS

*American Mineral Spirits Co, 155 E 44 St, N Y 17
*Barrett Div, 40 Rector St, N Y 6
S H Bell Co, 1514 Oliver Bldg, Pittsburgh 22, Pa
*Calcium Carbonate Co, 222 W Adams St, Chicago, Ill
Chapman Chem Co, 707 Dermon Bldg, Memphis, Tenn
*Cohutta Talc Co, Box 363, Dalton, Ga
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
Dicalite Div, Great Lakes Carbon Corp, 612 S Flower St, Los Angeles 17, Cal
Dickerson Co, Drexel Bldg, Phila 6, Pa
*Diversey Corp, 1820 Roscoe St, Chicago, Ill
*Edgar Bros Co, Metuchen, N J
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Floridin Co, 200 Liberty St, Warren, Pa
*Gen Reduction Co, 1820 Roscoe St, Chicago 13, Ill
*Georgia Kaolin Co, 433 N Broad St, Elizabeth, N J
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Heckathorn & Co, 641 S 4 St, Richmond 3, Cal
*J M Huber Corp, 100 Park Ave, N Y 17
*Illinois Minerals Co, 8071/2 Washington Ave, Cairo, Ill
*Kay-Fries Chem, 180 Madison Ave, N Y 16
*Kennedy Minerals Co, 2550 E Olympic Blvd, Los Angeles 23, Cal
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Miller Products Co, Ft of S W Caruthers St, Portland 1, Ore
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
H N Richards Co, 1475 Prospect St, Trenton 8, N J
*Shell Chem Corp, 50 W 50 St, N Y 20
*Stauffer Chem Co, P O Box 68, N Portland, Ore
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Tide Water Associated Oil Co, 79 New Montgomery St, San Francisco 20, Cal
*United Distillers of America, 350 5 Ave, N Y 1
*R T Vanderbilt Co, 230 Park Ave, N Y
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

*Company classifies itself as manufacturer or producer of this product

INSECTICIDE CONCENTRATES, (Synthetic)

W R E Andrews Sales, 1505 Race St, Phila, Pa
Chapman Chem Co, 707 Dermon Bldg, Memphis, Tenn
*Chem Insecticide Corp, 57 13 St, Bklyn 15, N Y
*Cloroben Corp, 225 Mercer St, Jersey City 2, N J
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Derris Inc, 120 Wall St, N Y 5
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Eston Chem, 3100 E 26 St, Los Angeles, Cal
*Fresno Agric Chem Co, P O Box 1286, Fresno, Cal
*Geigy Co, 89 Barclay St, N Y 8
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Heckathorn & Co, 641 S 4 St, Richmond 3, Cal
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Julius Hyman & Co, Box 2171, Denver, Col
International Ore & Fertilizer Corp, 500 5 Ave, N Y 18
*Kolker Chem Works, 80 Lister Ave, Newark 5, N J
McKesson & Robbins, 155 E 44 St, N Y 17
*McLaughlin Gormley King Co, 1715 S E 5 St, Minneapolis 14, Minn
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*S B Penick & Co, 50 Church St, N Y 7
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
*John Powell & Co, 1 Park Ave, N Y 16
*Riverdale Chem Co, 324 E 147 St, Harvey, Ill
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Shell Chem Corp, 50 W 50 St, N Y 20
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
*Tobacco By-Products & Chem Corp, 401 E Main St, Richmond, Va
*U S Industrial Chem, 60 E 42 St, N Y
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*World Spray Co, 4609 Avalon Blvd, Los Angeles, Cal

INSECTICIDES, FARM

Chemicals and mixtures compounded particularly for the control of chewing and sucking insects infesting farm crops.

American Firstoline Corp, 420 Lexington Ave, N Y
*American Quinine Co, 15 William St, N Y
W R E Andrews Sales, 1505 Race St, Phila, Pa
*An-Fo Mfg Co, Elmwood Ave, Oakland 1, Cal
Associated Cooperatives, 312 Montgomery Ave, Sheffield, Ala
*Beechem Labs, 1102 W State St, St Johns, Mich
Benzol Distributors, Georges Rd & Penn RR, Dayton, N J
Cabell Chem Co, 101 22 St, Huntington, W Va
*Carbolineum Wood Preserving Co, 528 W Highland Ave, Milwaukee 3, Wis
Chapman Chem Co, 707 Dermon Bldg, Memphis, Tenn
*Chem Insecticides Corp, 57 13 St, Bklyn 15, N Y
*Chipman Chem Co, Bound Brook, N J
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Commercial Chem Co, P O Box 86, Memphis 1, Tenn
*Derris Inc, 120 Wall St, N Y 5
*Dow Chem Co, Midland, Mich
Duff Chem Co, 342 Madison Ave, N Y 17
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eastern Seaboard Supply Corp, 238 Melrose St, Bklyn 6, N Y
*Eston Chem, 3100 E 26 St, Los Angeles, Cal
Faesy & Besthoff, 325 Spring St, N Y 13
Fresno Agric Chem Co, P O Box 1286, Fresno, Cal
*Geigy Co, 89 Barclay St, N Y 8
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
*Humble Oil & Refining Co, P O Box 2180, Houston 1, Tex
Innis, Speiden & Co, 117 Liberty St, N Y 6
International Ore & Fertilizer Corp, 500 5 Ave, N Y 18
*Kalo Co, 506 Maine St, Quincy, Ill
*Kay-Fries Chem, 180 Madison Ave, N Y 16
Ky Color & Chem Co, 600 N 34 St, Louisville, Ky
*Kingston Chem Co, 15 Willlam St, N Y 5
*Kolker Chem Works, 80 Wister Ave, Newark 5, N J
*Livestock Chem Co, 3816 S Div Ave, Grand Rapids 8, Mich
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Miller Products Co, Ft of S W Caruthers St, Portland 1, Ore
Nitrogen Products, 450 7 Ave, N Y 1
*S B Penick & Co, 50 Church St, N Y 7
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
*Pittsburgh Plate Glass Co, Corona Chem Div, 235 E Pittsburgh Ave, Milwaukee, Wis
*John Powell & Co, 1 Park Ave, N Y 16
Premier Peat Moss Corp, 535 5 Ave, N Y 17
*Rex Research Corp, 600 Montrose Ave, Toledo 7, Ohio
*Riverdale Chem Co, 324 E 147 St, Harvey, Ill
George B Robbins Disinfectant Co, 42-44 Carleton St, Cambridge, Mass
*Shell Chem Corp, 50 W 50 St, N Y 20
*H V Smith & Co, 1910 University Ave, St Paul 4, Minn

INSECTICIDE CARRIERS, DILUENTS, continued

*Standard Oil Co, 910 S Mich Ave, Chicago 80, Ill
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Stauffer Chem Co, P O Box 68, N Portland, Ore
*Taylor Chem Co, Box 337, Aberdeen, N C
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Tobacco By-Products & Chem Corp, 401 E Main St, Richmond, Va
*U S Industrial Chem, 60 E 42 St, N Y
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*Whitmoyer Labs, 19 N Railroad St, Myerstown, Pa
*World Spray Co, 4609 Avalon Blvd, Los Angeles, Cal

INSECTICIDES, GARDEN

Chemicals and mixtures compounded particularly for the control of insects infesting flowering plants and shrubs.

*American Quinine Co, 15 William St, N Y
*An-Fo Mfg Co, Elmwood Ave, Oakland 1, Cal
Barclay Chem Co, 75 Varick St, N Y
Cabell Chem Co, 101 22 St, Huntington, W Va
Chapman Chem Co, 707 Dermon Bldg, Memphis, Tenn
*Chem Insecticide Corp, 57 13 St, Bklyn 15, N Y
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Eston Chem, 3100 E 26 St, Los Angeles, Cal
Faesy & Besthoff, 325 Spring St, N Y 13
*Geigy Co, 89 Barclay St, N Y 8
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Hysan Products Co, 932 W 38 Pl, Chicago 9, Ill
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Kalo Co, 506 Maine St, Quincy, Ill
*Kay-Fries Chem, 180 Madison Ave, N Y 16
Ky Color & Chem Co, 600 N 34 St, Louisville, Ky
*Kingston Chem Co, 15 Williams St, N Y 5
*Michel & Pelton Co, 5743 Landregan St, Oakland 8, Cal
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Miller Products Co, Ft of S W Caruthers St, Portland 1, Ore
Nitrogen Products, 450 7 Ave, N Y 1
*S B Penick & Co, 50 Church St, N Y 7
*Pittsburgh Plate Glass Co, Corona Chem Div, 235 E Pittsburgh Ave, Milwaukee, Wis
*John Powell & Co, 1 Park Ave, N Y 16
Premier Peat Moss Corp, 535 5 Ave, N Y 17
*Riverdale Chem Co, 324 E 147 St, Harvey, Ill
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Stauffer Chem Co, P O Box 68, N Portland, Ore
*Taylor Chem Co, Box 337, Aberdeen, N C

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INSECTICIDES, GARDEN, continued

*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Tobacco By-Products & Chem Corp, 401 E Main St, Richmond, Va
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*World Spray Co, 4609 Avalon Blvd, Los Angeles, Cal

INSECTICIDES, HOUSEHOLD

*Ampion Corp, 4-88 47 Ave, L I C 1, N Y
*An-Fo Mfg Co, Elmwood Ave, Oakland 1, Cal
Bickford Research Labs, Avon, Conn
Chapman Chem Co, 707 Dermon Bldg, Memphis, Tenn
*Chem Insecticide Corp, 57 13 St, Bklyn 15, N Y
Cole Labs, 42-25 9 St, L I C 1, N Y
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Eston Chem, 3100 E 26 St, Los Angeles, Cal
*Geigy Co, 89 Barclay St, N Y 8
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Gulf Refining Co, 722 Gulf Bldg, Pittsburgh 30, Pa
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Kalo Co, 506 Maine St, Quincy, Ill
*Kolker Chem Works, 80 Lister Ave, Newark 5, N J
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Michel & Pelton Co, 5743 Landregan St, Oakland 8, Cal
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Nowlin Co, 1410 Throckmorton St, P O Box 1153, Fort Worth, Tex
Pearson Ferguson Chem Co, 1400 Union Ave, Kansas City, Mo
*S B Penick & Co, 50 Church St, N Y 7
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
Plunkett Chem Co, 3500 S Morgan St, Chicago 9, Ill
*John Powell & Co, 1 Park Ave, N Y 16
*Rex Research Corp, 600 Montrose Ave, Toledo 7, Ohio
*Riverdale Chem Co, 324 E 147 St, Harvey, Ill
*Science Industries, 609-15 Geyer Ave, St Louis 4, Mo
*Shell Oil Co, 50 W 50 St, N Y 20
*H V Smith & Co, 1910 University Ave, St Paul 4, Minn
*Taylor Chem Co, Box 337, Aberdeen, N C
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Tobacco By-Products & Chem Corp, 401 E Main St, Richmond, Va
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
*Uncle Sam Chem Co, 575 W 131 St, N Y 27
*World Spray Co, 4609 Avalon Blvd, Los Angeles, Cal

INSECTICIDES, ORCHARD

Chemicals and mixtures compounded particularly for the control of insects infesting fruit trees.

American Firstoline Corp, 420 Lexington Ave, N Y
Chapman Chem Co, 707 Dermon Bldg, Memphis, Tenn
*Chem Insecticide Corp, 57 13 St, Bklyn 15, N Y
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Derris Inc, 120 Wall St, N Y 5
*Dow Chem Co, Midland, Mich
Duff Chem Co, 342 Madison Ave, N Y 17
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
*Fresno Agric Chem Co, P O Box 1286, Fresno, Cal
*Geigy Co, 89 Barclay St, N Y 8
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St N Y 6
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Kalo Co, 506 Maine St, Quincy, Ill
*Kay-Fries Chem, 180 Madison Ave, N Y 16
*Kolker Chem Works, 80 Lister Ave, Newark 5, N J
*Leffingwell Chem Co, P O Box 191, Whittier, Cal
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
Nitrogen Products, 450 7 Ave, N Y 1
*S B Penick & Co, 50 Church St, N Y 7
*Pittsburgh Plate Glass Co, Corona Chem Div, 235 E Pittsburgh Ave, Milwaukee, Wis
*John Powell & Co, 1 Park Ave, N Y 16
*Riverdale Chem Co, 324 E 147 St, Harvey, Ill
*Shell Chem Corp, 50 W 50 St, N Y 20
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Stauffer Chem Co, P O Box 68, N Portland, Ore
*Taylor Chem Co, Box 337, Aberdeen, N C
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Tobacco By-Products & Chem Corp, 401 E Main St, Richmond, Va
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

INSULATING COMPOUNDS, ELECTRICAL

Products which possess the characteristic of not passing electrical current (or very little) when subjected to voltage stress. More commonly used are rubber, synthetic plastics, various forms of porcelain, etc.

American Firstoline Corp, 420 Lexington Ave, N Y
Bakoline Chem Co, 357 Atlantic Ave, Bklyn, N Y
*Concord Chem Co, Moorestown, N J
*Dow Corning Corp, Midland, Mich
*Firestone Tire & Rubber Co, P O Box 690, Pottstown, Pa
*Gen Elec, Pittsfield, Mass

*Company classifies itself as manufacturer or producer of this product

INSULATING COMPOUNDS, ELECTRICAL, continued

*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*K F Griffiths & Co, 280 Madison Ave, N Y 16
*Hi-Test Chem Corp, 722-64 St, Bklyn 20, N Y
*Johns-Manville, 22 E 40 St, N Y 16
*Lacquer R I Co, P O Box 591, Providence, R I
Merchants Chem Co, 60 E 42 St, N Y 17
*Shawinigan Products Corp, 350 5 Ave, N Y 1
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

INSULATION MATERIALS

Four mineral products—asbestos, magnesium carbonate, diatomaceous earth and rock or mineral wool and also waste products of vegetable origin are among the principal raw materials out of which insulation materials are produced. Insulation is commonly supplied in the form of sectional pipe covering; insulating sheets, blocks, bricks, and blankets; insulating cements, fillers, and finishes; insulating papers and felts; as well as lightweight aggregate used with Portland cement for making insulating concrete. See also Fillers, Insulating.

American Firstoline Corp, 420 Lexington Ave, N Y
*Armstrong Co, 241 S Post Ave, Detroit 17, Mich
*Armstrong Cork Co, Liberty & Mary Sts, Lancaster, Pa
T & W H Corson, Plymouth Meeting, Pa
*Dicalite Div, Great Lakes Carbon Corp, 612 S Flower St, Los Angeles 17, Cal
*Dow Chem Co, Midland, Mich
*Dow Corning Corp, Midland, Mich
*Illinois Clay Products Co, Joliet, Ill
*Johns-Manville, 22 E 40 St, N Y 16
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
Premier Peat Moss Corp, 535 5 Ave, N Y 17
*Quigley Co, 527 5 Ave, N Y 17
Ruberoid Co, 500 5 Ave, N Y 18
*Shawinigan Products Corp, 350 5 Ave, N Y 1
*Sloss-Sheffield Steel & Iron Co, 3131 1 Ave, N Birmingham 2, Ala
*H I Thompson Co, 1733 Cordova St, Los Angeles, Cal
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

INTERMEDIATES

Employed in organic synthesis in the production of dyes, pharmaceuticals. They are produced from the "crudes" or raw materials derived usually from the "coking" processes.

Allied Raw Materials, 38 Park Row, N Y 7
*American-British Chem Supplies, 180 Madison Ave, N Y
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20

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INTERMEDIATES, continued

Barclay Chem Co, 75 Varick St, N Y
J H Bauminger, 421 7 Ave, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Calco Chem Div, Bound Brook, N J
*Celanese Corp of America, 180 Madison Ave, N Y 16
Chem Service Corp, 82 Beaver St, N Y 5
Chemicolor Trade Corp, 24 Stone St, N Y 4
*Ciba Co, 627 Greenwich St, N Y 14
Crescent Chem Co, 15 Park Row, N Y 38
David & Co, 140 Market St, Paterson 1, N J
*Dow Chem Co, Midland, Mich
*Fallek Products Co, 163 Broadway, N Y 6
B G Feinberg, 112 W 44 St, N Y 18
Filo Color & Chem Corp, 202 E 44 St, N Y
*Gane & Ingram, 43 W 16 St, N Y 11
M W Hardy & Co, 141 Broadway, N Y 6
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
*Kay-Fries Chem, 180 Madison Ave, N Y 16
*Maumee Development Co, 1852 N Westwood, Toledo, Ohio
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*M Michel & Co, 90 Broad St, N Y 4
Mutchler Chem Co, 258 Broadway, N Y 7
*Ohio-Apex, Nitro, W Va
*Pfister Chem Works, Linden Ave, Ridgefield, N J
*Sharples Chem, 123 S Broad St, Phila 9, Pa
*Shell Chem Corp, 50 W 50 St, N Y 20
Shepard Chem Corp, 117 Liberty St, N Y 6
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Tennessee Eastman Co, 10 E 40 St, N Y 16
Jos Turner & Co, Ridgefield, N J
*U S Industrial Chem, 60 E 42 St, N Y
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Verona Chem Co, 26 Verona Ave, Newark, N J
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Wilson Export & Import Corp, 35 Water St, N Y 4
*Wilson Organic Chem, P O Box 452, Sayreville, N J

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- Ethyl Sodium Oxalacetate
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Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
*Pfanstiehl Chem Co, 104 Lakeview Ave, Waukegan, Ill

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*Bios Labs, 17 W 60 St, N Y 23
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
O J Weeks Co, 16 Hudson St, N Y 13

IODIDES see advertisements on this page and individual listings

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Amplex Co, 60 Wall St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*F L Bodman, 328 Chestnut St, Phila 6, Pa
*Chilean Nitrate Sales Corp, 120 Broadway, N Y 5
*Dow Chem Co, Midland, Mich
Fallek Products Co, 163 Broadway, N Y 6
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
Mutchler Chem Co, 258 Broadway, N Y 7
Edgar Ostrander Co, 220 5 Ave, N Y 1
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
George Uhe Co, 76 9 Ave, N Y 14

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p-NITROPHENOL
p-CHLOR-o-NITROPHENOL
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IODINE MONOCHLORIDE

ICl. M.W. 162.38. Reddish-brown, oily liq. Sp. gr. 3.1822. M.P. 27.2°C. B.P. 97.4°C. Decomposes on further heating. Sol. alcohol, dilute hydrochloric acid. Uses—mfr. intermediates, organic chemicals, synthetic dyes, drugs and perfumes; as laboratory reagent. Grades—tech.

*Edcan Labs, 10-20 Pine St, S Norwalk, Conn
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

IODINE TRICHLORIDE

ICl_3. M.W. 233.3. A yellow deliquescent cryst. powder, decomp. 25. Sol. water, alcohol. Used as an antiseptic and disinfectant.

City Chem Corp, 132 W 22 St, N Y 11
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

IODISTOL see Thymol Iodide

IODOBENZENE (Phenyl Iodide)

C_6H_5I. M.W. 204.0. A colorless liquid, rapidly becomes yellow. M.P. 28°C. B.P. 188°C. Insol. water; sol. alcohol, ether.

*Eastern Chem Corp, 34 Spring St, Newark 2, N Y
Lack Chem Co, 19 Park Pl, N Y 7
Matheson Co, Paragon Div, E Rutherford, N J

IODOBUTANE see n-Butyl Iodide

IODOFORM (Triiodomethane, Formyl Triiodide)

CHI_3. M.W. 393.77. Yellow lustrous scales or more or less cryst. powder. Disagre. odor. Sol. alcohol, chloroform, ether. Slt. sol. water. M.P. 119°C. Uses—disinfectant medicine.

J T Baker Chem Co, Phillipsburg, N J
Bendix Chem Corp, 420 Lexington Ave, N Y
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

I-IODOHEXANE see n-Hexyl Iodide

IODOHYDROMOL see Thymol Iodide

IODOMETHANE see Methyl Iodide

IODOPENTANE see n-Amyl Iodide

IODOSOL see Thymol Iodide

IODUM see Iodine

IONONE

$C_{13}H_{20}O$. M.W. 192.33. Colorless liquid. Violet odor. Uses—perfumery.

Dodge & Olcott, 180 Varick St, N Y 14
*P R Dreyer, 113 W 19 St, N Y
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Geo Lueders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*Maywood Chem Works, Maywood, N J
Tombarel Products Corp, 12 E 22 St, N Y
*Trubek Labs, State Hway Rt 17, E Rutherford, N J
*Verona Chem Co, 26 Verona Ave, Newark, N J

IOSOL see Thymol Iodide

IOTHYMOL see Thymol Iodide

IPECAC ROOT (Ipecacuanha, Cephaelis)

Dried root of Cephaelis Ipecacuanha. Habitat—Brazil, Bolivia. Uses—mfr. sweetmeats; as tanning agent; in medicine. Grades—U.S.P.: Rio (Cephaelis Ipecacuanha); U.S.P. Carthagnea (Caphaelis Acuminata); American (Porteranthus Trifoliatus).

Dalton-Cooper, 200 W 34 St, N Y
Wm E Martin Co, 205 W 34 St, N Y 1
*Meer Corp, 318 W 46 St, N Y 19
Herbert H Parker, 2 Broadway, N Y 4
*S B Penick & Co, 50 Church St, N Y 7
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

IPECACUANHA see Ipecac Root

IRIDIUM (Metal)

Ir. White, hard, brittle, lustrous metal. Sp. gr. 22.42. M.P. 2440°C. Sol. aqua regia. Uses—in alloying metals.

Advance Solvents & Chem Co, 245 5 Ave, N Y 16
*Baker & Co, 113 Astor St, Newark 5, N J
*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill

IRON (Reduced)—see also Filings

Fe. Fine, amorp. powd. Uses—as tonic; in medicine and organic synthesis. Grades—gray 90%; tech.; U.S.P.

J T Baker Chem Co, Phillipsburg, N J
*Connelly Inc, 74 Trinity Place, N Y 6
Hummel Chem Co, 90 West St, N Y 6
A P Larsen Co, 29 Broadway, N Y 6
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

IRON AMMONIUM CITRATE (Ferric Ammonium Citrate, Ammonioferric Citrate)

$(NH_4)(Fe)(C_6H_4O_7)_2$. Reddish-brown, deliq., crystalline scales. Sol. water. Uses—as tonic; in medicine; mfr. blue-print paper. Grades—U.S.P.; brown scales; green scales.

Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Cole Labs, 42-25 9 St, L I C 1, N Y
Conray Products, 510 6 Ave, N Y 11
*Philip A Hunt Co, Palisades Park, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
George Uhe Co, 76 9 Ave, N Y 14

IRON AMMONIUM OXALATE (Ferric Ammonium Oxalate, Ammonioferric Oxalate)

$(NH_4)_3Fe(C_2O_4)_3.3H_2O$. Green cryst. Sp. gr. 1.7785 (17.5°C.). Loses water at 100°C. Sol. water. Uses—mfr. blueprint paper. Grades—tech.; C.P.

Conray Products, 510 6 Ave, N Y 11
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Wholesale Supply Co, Box 16337 Vine St Sta, Los Angeles 38, Cal

IRON AMMONIUM SULFATE (Ferric Ammonium Sulfate, Ferric Ammonium Alum, Ammonioferric Sulfate)—see also Ferrous Ammonium Sulfate

$(NH_4)Fe(SO_4)_2 12H_2O$. Lilac to violet, efflorescent cryst. Sp. gr. 1.712. Loses water on heating. Sol. water. Uses—as mordant in dyeing and printing textiles; laboratory reagent; for metallurgical purposes; in medicine. Grades—tech.; C.P.; U.S.P.

*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Wholesale Supply Co, Box 16337 Vine St Sta, Los Angeles 38, Cal

IRON AMMONIUM SULFATE see Ferrous Ammonium Sulfate

IRON CARBONATE, PRECIPITATED see Iron Oxide, Brown

IRON CHLORIDE see Ferric and Ferrous Chloride

IRON CITRATE see Ferric Citrate

IRON DICHLORIDE see Ferrous Chloride

IRON ETHIOPS see Iron Oxide

IRON FLUORIDE see Ferric Fluoride

IRON FORMATE

$Fe(CHO_2)_3$. M.W. 190.89. Red crystals. Sol. water; slightly sol. alcohol. Uses—reagent.

American Roland Corp, 16 Hudson St, N Y
*City Chem Corp, 132 W 22 St, N Y 11

IRON GLUCONATE see Ferrous Gluconate

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$Fe_3[C_3H_5(OH)_2PO_4]_3$. M.W. 621.96. A yellow powder. Soluble in H_2O, insoluble alcohol. Official in N.F. VI. Uses—pharmaceutical.

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Licoln Ave, Rahway, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

IRON HYDRATE see Ferric Hydroxide

IRON HYDROXIDE see Ferric Hydroxide

IRON HYPOPHOSPHITE see Ferric Hypophosphite

IRON MONOSULFIDE see Ferrous Sulfide

IRON NAPHTHENATE

M.W. about 520. 10% metal. Dark brown solid. Sol. hydrocarbons. Uses—paint dryer; curing core oils.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
Mathe Chem Co, 169 Milbank St, Lodi, N J
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Oronite Chem Co, 38 Sansome St, San Francisco 4, Cal
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Witco Chem Co, 295 Madison Ave, N Y 17

IRON NITRATE see Ferric Nitrate

IRON OLEATE see Ferric Oleate

IRON OXALATE see Ferric Oxalate

IRON OXIDE (Ferrosoferric Oxide, Magnetic Iron Oxide, Black Rouge, Iron Ethiops)

$Fe_3O_4.H_2O$. Reddish-black amorp. powd. Sp. gr. 5.16. M.P. 3538°C. Sol. acids. Uses—mfr. ceramic enamels, polishing and match lead compositions; as paint, varnish, linoleum, oilcloth pigment; in coloring glass, paper and textiles; in metallurgy. Grades—tech.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Chemicolor Trade Corp, 24 Stone St, N Y 4
Charles B Chrystal Co, 53 Park Pl, N Y 7
*E I Du Pont de Nemours & Co, Explosives Dept, Chem & Misc Sales Section, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
K F Griffiths & Co, 280 Madison Ave, N Y 16
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*H Kohnstamm & Co, 83 Park Pl, N Y 7
Martin, Hoyt & Milne, 615-625 Merchants Exchange Bldg, San Francisco 4, Cal
Joseph A McNulty, 114 Liberty St, N Y
Nopel Corp, 2 Broadway, N Y 4
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Wm B Tabler Co, 1612 Heyburn Bldg, Louisville 2, Ky
*Tennessee Eastman Co, 10 E 40 St, N Y 16
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*C K Williams & Co, 640 N 13 St, Easton, Pa
Witco Chem Co, 295 Madison Ave, N Y 17

IRON OXIDE, BROWN (Ferric Oxide, Brown Iron, Iron Subcarbonate, Precipitated Iron Carbonate)

Fe_2O_3. Reddish-brown, amorp. powd. Variable constants. Sol. acids. Uses—mfr. green colored glass; paint and varnish pigment; pigment in making oilcloth and linoleum; coloring wall-paper; in compounding rubber. Grades—tech.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Charles B Chrystal Co, 53 Park Pl, N Y 7
*Columbian Carbon Co, Mapico Color Div, 41 E 42 St, N Y 17
Stanley Doggett, 75 Varick St, N Y 13
Filo Color & Chem Corp, 202 E 44 St, N Y
*Gen Dyestuff Corp, 435 Hudson St, N Y 14
*H Kohnstamm & Co, 83 Park Pl, N Y 7
L J & M La Place, Lellarts Lane, E Paterson, N J
Landers-Segal Color Co, 78 Delevan St, Bklyn, 31, N Y
*Manufacturers Min Co, Box 3144, Seattle, Wash
Joseph A McNulty, 114 Liberty St, N Y
*Mineral Pigments Corp, Muirkirk, Md
Nopel Corp, 2 Broadway, N Y 4
C J Osborn Co, 132 Nassau St, N Y
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
*Reichard-Coulston, 15 E 26 St, N Y 10
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*J Lee Smith & Co, 25 Ann St, N Y 38
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*C K Williams & Co, 640 N 13 St, Easton, Pa

IRON OXIDE, RED (Red Oxide, Venetian Red, Ferric Oxide, Indian Red, Red Iron Trioxide, Iron Sesquioxide, Ferric Trioxide, Purple Oxide, Spanish Oxide, Turkey Red)

Fe_2O_3. Fe_2O_3, 96-98%, balance $CaSO_4$. Dark red, crystalline powd. Natural and manufactured. Mfr. precipitated yellow oxide is calcined at temperatures 500-1000°F., depending upon shade required. Sp. gr. 5.12-24. M.P. 1565°C. Sol. acids. Uses—mfr. mineral colors; theatrical rouge and grease paints; in purifying coal gas; polishing preparations for metals, jewelry, precious stones, potteries, porcelains, ceramic enamels, refractories, green glass and polishing glass; as source of iron; mordant in dyeing textiles; laboratory reagent; catalyst in chemical processes; pigment in oilcloth, linoleum, paints, rubber goods and wall papers; in medicine. Grades—tech.; iron oxide contents.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
Braun Corp, 2260 E 15 St, Los Angeles 21, Cal
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
R E Carroll, 231 Broad St Bank Bldg, Trenton 1, N J
Charles B Chrystal Co, 53 Park Pl, N Y 7
*Clinton Metallic Paint Co, Clinton, N Y
*Columbian Carbon Co, Mapico Color Div, 41, E 42 St, N Y 17
Dalton-Cooper, 200 W 34 St, N Y
Stanley Doggett, 75 Varick St, N Y 13
Filo Color & Chem Corp, 202 E 44 St, N Y
Gen Dyestuff Corp, 435 Hudson St, N Y 14
K F Griffiths & Co, 280 Madison Ave, N Y 16
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
R B Huber, 216 Tremont St, Boston 16, Mass
*H Kohnstamm & Co, 83 Park Pl, N Y 7
Landers-Segal Color Co, 78 Delevan St, Bklyn 31, N Y
L J & M La Place, Lellarts Lane, E Paterson, N J
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Joseph A McNulty, 114 Liberty St, N Y

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IRON OXIDE, RED, continued

*Metallurg Inc, 100 Park Ave, N Y 17
*Mineral Pigments Corp, Muirkirk, Md
Nopel Corp, 2 Broadway, N Y 4
C J Osborn, 132 Nassau St, N Y
Palmer Supplies Co, 8905 Lake Ave, Cleveland 2, Ohio
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
*Reichard-Coulston, 15 E 26 St, N Y 10
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*J Lee Smith & Co, 25 Ann St, N Y 38
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*C K Williams & Co, 640 N 13 St, Easton, Pa
Witco Chem Co, 295 Madison Ave, N Y 17

IRON OXIDE, YELLOW (Precipitated Yellow Oxide, Yellow Oxide, Ferrite Yellow, Mars Yellow, Jaune de Mars)

$Fe_2O_3.3H_2O + CaSO_4$: Fe_2O_3, 78-85%, calcium sulfate 2-12%. Combined water, approx. 12%. Mfr. ferrous hydroxide is precipitated from iron sulfate or chloride by lime or caustic soda. Ferrous hydroxide is oxidized to yellow hydrated ferric oxide by agitation with air. Bright yellow to brown. Uses—in pigments. Grades—tech., based on iron oxide content.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Charles B Chrystal Co, 53 Park Pl, N Y 7
*Columbian Carbon Co, Mapico Color Div, 41 E 42 St, N Y 17
Stanley Doggett, 75 Varick St, N Y 13
Filo Color & Chem Corp, 202 E 44 St, N Y
Georgia Peruvian Ochre Co, 165 Broadway, N Y 6
R B Huber, 216 Tremont St, Boston 16, Mass
*H Kohnstamm & Co, 83 Park Pl, N Y 7
Landers-Segal Color Co, 78 Delevan St, Bklyn 31, N Y
Joseph A McNulty, 114 Liberty St, N Y
*Mineral Pigments Corp, Muirkirk, Md
C J Osborn Co, 132 Nassau St, N Y
*Prince Mfg. Lehigh St, Bowmanstown, Pa
*Reichard-Coulston, 15 E 26 St, N Y 10
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*J Lee Smith & Co, 25 Ann St, N Y 38
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*C K Williams Co, 640 N 13 St, Easton, Pa
Witco Chem Co, 295 Madison Ave, N Y 17

*Company classifies itself as manufacturer or producer of this product

IRON PENTACARBONYL
City Chem Corp, 132 W 22 St, N Y 11

IRON PERCHLORIDE see Ferric Chloride

IRON PHOSPHATE see Ferric Phosphate
*City Chem Corp, 132 W 22 St, N Y 11
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Jos Turner & Co, Ridgefield, N J
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

IRON PROTOCHLORIDE see Ferrous Chloride

IRON PROTOSULFIDE see Ferrous Sulfide

IRON PYRITES see Pyrites

IRON PYROPHOSPHATE
$Fe_4(P_2O_7)_3.9H_2O$. M.W. 907.63. Yellowish-white powder. Sol. in acids and carbonated water. Grades—technical; N.F. Uses—medicine. Containers—glass bottles. Shipping regulations—none.
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

IRON RESINATE (Ferric Resinate)
Reddish-brown powder. Uses—as drier for paints, varnishes, etc.
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill

IRON SESQUICHLORIDE see Ferric Chloride

IRON SESQUIOXIDE see Iron Oxide, Red

IRON SESQUIOXIDE, HYDRATED see Ferric Hydroxide

IRON SESQUISULFATE see Ferric Sulfate

IRON AND SODIUM OXALATE (Ferric-Sodium Oxalate)
$2Na_3Fe(C_2O_4)_3.9H_2O$. M.W. 939.8. Emerald green cryst. Sp. gr. 1.9731 (17.5°C.). Loses water at 100°C. Sol. water. Uses—mfr. blue-print paper. Grades—tech.
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y

IRON STEARATE (Ferric Stearate)
$Fe(C_{18}H_{35}O_2)_3$. M.W. 906.0. A light brown powder; insol. water.
Faesy & Besthoff, 325 Spring St, N Y 13
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mathe Chem Co, 169 Milbank St, Lodi, N J
Prior Chem Corp, 420 Lexington Ave, N Y 17
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Warwick Chem Co Div, Wood River Junction, R I
*Witco Chem Co, 295 Madison Ave, N Y 17

IRON SUBCARBONATE see Iron Oxide, Brown

IRON SULFATE see Ferric and Ferrous Sulfate

IRON SULFIDE see Ferrous Sulfide

IRON SULFURET see Ferrous Sulfide

IRON TERSULFATE see Ferric Sulfate

IRON TRICHLORIDE see Ferric Chloride

IRON VITRIOL see Ferrous Sulfate

ISINGLASS (Ichthyocolla, Fish Glue)
White, solid amorp. Prepared from swimming bladders of fish. Uses—mfr. adhesive compositions, leather and glass cements, court plaster; as clarifying agent in treating malt vinegar, beer, wines, cider, etc.; general protective colloid; in thickening soups, jellies; sweetmeats, milk preparations, confectionery, baked products; finishing silk; waterproofing fabrics; dyeing and printing inks. Grades—tech.
Dehls & Stein, 237 South St, Newark 5, N J
N H Heyman, 244 E 91 St, N Y 28

ISINGLASS, JAPAN OR CHINESE see Agar

ISOAMYL ACETATE see Amyl Acetate

ISOAMYL ACID PYROPHOSPHATE
$[(CH_3)_2CH_2CH_2CH_2]_2H_2P_2O_7$. M.W. 320.27. Liquid.
Scher Bros, 519 Getty Ave, Clifton, N J

ISOAMYL BUTYRATE see Amyl Butyrate

ISOAMYLBUTYRIC ESTER see Amyl Butyrate

ISOAMYL FORMATE see Amyl Formate

ISOBORNYL ACETATE
Colorless liq. with pine-needle odor. B.P. 220-224°C. Sp. gr. 0.978 at 20°C. Uses—compounding toilet waters, bath preparations, antiseptics, theatre sprays, soaps, etc.
Chem Insecticide Corp, 57 13 St, Bklyn 15, N Y
Dodge & Olcott, 180 Varick St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Geo Lueders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*S B Penick & Co, 50 Church St, N Y 7
Polak & Schwartz, 667 Washington St, N Y 14
Tombarel Products Corp, 12 E 22 St, N Y 10

ISOBUTANE (Trimethylmethane)
$(CH_3)_3CH$. A colorless gas. M.W. 58.08. F.P. —145°C. B.P. —11°C. Insol. water; sol. alcohol, ether. Uses—in illuminating gas; chemical synthesis.
*Cities Service Oil Co, Masonic-Empire Bldg, Bartlesville, Okla
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
Matheson Co, Paragon Div, E Rutherford, N J
*Verona Chem Co, 26 Verona Ave, Newark N J

ISOBUTYL ACETATE
$CH_3COOC_4H_9$. M.W. 116.09. Colorless liq. Sp. gr. 0.871. B.P. 118.3°C. Sol. alcohol, ether; slightly sol. water. Uses—solvent and plasticizer in cellulose ester plastics and lacquers. Grades—tech.
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Republic Chem Corp, 94 Beekman St, N Y 38

ISOBUTYL-p-AMINOBENZOATE
$C_6H_4(NH_2).COO.CH_2CH(CH_3)_2$. M.W. 193.13. White, cryst. powder. M.P. 65°C. Sl. sol. water; sol. alcohol, ether. Uses—Local anesthetic, mild antiseptic.
W W Angus, 220 Broadway, N Y
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
*Purocaine Inc, Hockessin, Del
*Richmond Chem Corp, 1741 Richmond Terrace, S I 10, N Y
*Verona Chem Co, 26 Verona Ave, Newark, N J

ISOBUTYL BENZOATE
$C_6H_5COOC_4H_9$. Colorless liq. Sp. gr. 1.002. B.P. 237°C. Sol. alcohol, ether. Uses—plasticizer for plastics; in medicine.
Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Maywood Chem Works, Maywood, N J

ISOBUTYL BROMIDE (1-Bromo-2-Methylpropane)
$(CH_3)_2CHCH_2Br$. M.W. 137. Clear, colorless liquid. Completely miscible with common organic solvents; insol. water. Uses—in organic syntheses, particularly as source of isobutyl radical.
*Dow Chem Co, Midland, Mich
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

ISOBUTYL BUTYRATE
Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Verona Chem Co, 26 Verona Ave, Newark, N J

ISOBUTYL CAPROATE
*Columbian Carbon Co, Mapico Color Div, 41 E 42 St, N Y 17
Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Verona Chem Co, 26 Verona Ave, Newark, N J

ISOBUTYL CARBINOL see Alcohol, Amyl-Iso

ISOBUTYL ISOBUTYRATE
$(CH_3)_2CHCOOCH_2CH(CH_3)_2$. M.W. 144.12. Colorless liquid. B.P. 147°C. Insol. water; miscible alcohol.
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

ISOBUTYL METHACRYLATE
Water-white, mobile, volatile liquid with pronounced agreeable odor.
American Firstoline Corp, 420 Lexington Ave, N Y
A Bamberger Corp, 703 Bedford Ave, Bklyn 6, N Y
Alan D Oppenheimer, 578 Exchange St, Buffalo 10, N Y

ISOBUTYL SALICYLATE
$HOC_6H_4COOC_4H_9$. Clear liquid, may have slightly yellowish tinge. Sp. gr. 1.064-1.065 at 25°C. Contains 99-100% ester. Uses—perfumery.
Dodge & Olcott, 180 Varick St, N Y 14
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Maywood Chem Works, Maywood, N J
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

ISOBUTYLENE (2-Methyl-Propene-1)
$(CH_3)_2C:CH_2$. M.W. 56.10. Colorless gas. B.P. —6°C.
*Enjay Co, 15 W 51 St, N Y 19
Matheson Co, Paragon Div, E Rutherford, N J
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

ISOCYANATES see individual listings and

$(CH_3)_2CH.CHO$. B.P. 64.5°C.; F.P. —65.9°C.; sp. gr. 0.794 at 15.6/15.6°C. Uses—as an intermediate mfr. rubber accelators, synthetic resins. In the synthesis of isobutyric acid and acetals.
*Tennessee Eastman Co, 10 E 40 St, N Y 16

ISOCYANATES see individual listings and advertisements on page 307

ISOEUGENOL
$C_6H_3(C_3H_5)(OCH_3)OH$. M.W. 164. Viscous liquid, colorless or pale yellow; clove odor. Uses—medicinal; perfumery.
*Dodge & Olcott, 180 Varick St, N Y 14
*P R Dreyer, 113 W 19 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Lautier Fils, 321 5 Ave, N Y 16
Geo Lueders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
Polak & Schwartz, 667 Washington St, N Y 14
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

ISOHEPTANE
Fraction hydrocarbon mfr. from natural gas. API gravity, 63.7. B.R. 185-196. Uses—formulation of lacquers; mfg. of rubber cements, adhesives, tires; in mfg. of artificial leather, rotogravure inks; chemical intermediate.
*American Mineral Spirits Co, 155 E 44 St, N Y 17
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

ISOHEPTENE
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

ISOHEXANE
Very light fraction hydrocarbon mfr. from natural gas. API gravity, 80.2. B.R. 135-145. Uses—in extraction of oil from oil seeds; chemical intermediate; in rubber cements and adhesives.
*American Mineral Spirits Co, 155 E 44 St, N Y 17
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

ISO-IODOPENTANE see Amyl Iodide, Iso

ISOLEUCINE
$[H_2NCHCH(C_2H_5)CH_3]COOH$. M.W. 131.1. Amino acid present in certain protein foods, required in human nutrition for growth and maintainance of health, weight and nitrogen balance.
*Bios Labs, 17 W 60 St, N Y 23
*Winthrop-Stearns, 1450 Broadway, N Y 18

ISOOCTANE (2-Methyl Heptane, Amyldimethylmethane)
$(CH_3)_3CH(CH_2)_4CH_3$. M.W. 114.14. Colorless liquid. B.P. 116°C. Insol. water; sol. alcohol.
*Enjay Co, 15 W 51 St, N Y 19
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

ISONAPHTHOL see b-Naphthol

ISOOCTENE
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

*Company classifies itself as manufacturer or producer of this product

ISO-PENTANE (2-Methylbutane)

$(CH_3)_2CHCH_2CH_3$. M.W. 72.09. Tech. grade from natural gas. Colorless liq. Boiling range 26-30°C. Sp. gr. .624. Uses—organic synthesis, organic analysis, preparation reagents, solvents.

*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

ISOPHORONE

$C_9H_{14}O$. M.W. 138.20. Liquid of irritating, somewhat toxic odor, most organic solvents, including gasoline. Wt. per gal., 7.68 lbs. at 20°C. Uses—solvent for various oils, fats, resins and gums; intermediate in mfr. plasticizers, flotation agents, rubber chemicals, etc. Grades—at least 98.0% isophorone by weight; not more than 0.02%. B.P., in the range 205-220°C. Sp. gr. 0.9227 at 20/20°C. Sol. in acetic acid; color, less than 0.05 gm. $K_2Cr_2O_7$ per liter of water.

C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

ISOPRENE

C_5H_8. M.W. 68.06. Density at 20°C. 0.6805. M.P. —146.8°C. B.P. 34.07; n20/D 1.42160. Uses—synthetic rubber, resins, chemical intermediate. Available in form of fractions containing approximately 70% isoprene.

Amend Drug & Chem Corp, 117-119 E 24 St, N Y
*Enjay Co, 15 W 51 St, N Y 19
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

ISOPROPANOL see Alcohol, Isopropyl

ISOPROPYL ACETATE

$CH_3COO.CH(CH_3)_2$. Colorless liq. Sp. gr. .870-.875 (20/20°C.). B.P. 86-90°C. Weight per gal., 7.27 lbs. Sol. alcohol, ether; slightly sol. water. Uses—mfr. organic chemicals; solvent cellulose lacquers and plastics; waterproof cements. Grades—tech.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
American Mineral Spirits Co, 155 E 44 St, N Y 17
American Quinine Co, 15 William St, N Y
W W Angus, 220 Broadway, N Y
Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
F M Browning Co, 150 Broadway, N Y 38
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Chematar Inc, Exchange Pl, N Y 5
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*Enjay Co, 15 W 51 St, N Y 19
Fallek Products Co, 163 Broadway, N Y 6
Wm S Gray & Co, 342 Madison Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Howe & French, Mfg Dept, E Weymouth, Mass
Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Leliarts Lane, E Paterson, N J
Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 7, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
Republic Chem Corp, 94 Beekman St, N Y 38
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Tennessee Eastman Co. 10 E 40 St, N Y 16
Paul W Wood Co, 350 Townsend St, San Francisco 7, Cal

ISOPROPYL AMINE

$CH_3CH(NH_2)CH_3$. M.W. 59.1. Water-white liquid. Flash-point 36°C. B.P. 31.9°C. M.P. 101.2°C. Sp. gr. 0.686 at 25°C./4°C. Miscible with water, alcohol, ether. Uses—chemical synthesis, dehairing agent, surface active agents, cleaning compounds.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Sharples Chem, 123 S Broad St, Phila 9, Pa

p-ISOPROPYL-ANILINE see Cumidine

ISOPROPYL BENZENE

$C_6H_5(C_3H_7)$. B.P. range, 151.0-153.9°C. at 760 mm.; sp. gr. 0.0860 at 25/25°C.; dielectric constant 2.26; flash pt. 32°C.; fire pt. 45°C. Uses—solvent, intermediate.

*Dow Chem Co, Midland, Mich
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

ISOPROPYL BROMIDE

$(CH_3)_2CHBr$. Colorless liq. Sp. gr. 1.310. B.P. 59.6°C. Insol. water. Sol. alcohol, ether. Uses—organic synthesis, pharmaceuticals. Grades—pure, tech.

*Dow Chem Co, Midland, Mich
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

ISOPROPYLCARBINOL see Alcohol, Isobutyl

ISOPROPYL CHLORIDE

$(CH_3)_2CH.Cl$. M.W. 78.51. Water-white liq. Sp. gr. approx. .860 at 20°C. B.P. 36.5°C. Uses—organic synthesis.

*Dow Chem Co, Midland, Mich

MONSANTO
ISOCYANATES

Monsanto was one of the first American companies to produce isocyanates, a group of industrial products with many unexplored possibilities. Present production includes:

Octadecyl isocyanate * Phenyl isocyanate * Tolylene diisocyanate (TDI) * p,p' Diisocyanate dimethyl methane (MDI) p,p'—Diisocyanate diphenylmethane (MDI)

Uses include: Foamed-in-place resins . . . waterproofing leather and textiles . . . adhesives . . . coupling agent . . . modifying agent for fiber, protein, lecithin.

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MONSANTO CHEMICAL COMPANY
Phosphate Division
St. Louis 4, Missouri

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MONSANTO CHEMICALS—PLASTICS

ISOPROPYL-o-CRESOL see Carvacrol

ISOPROPYL 2, 4-DICHLOROPHENOXY-ACETATE

$(CH_3)_2CHCOOCH_2OC_6H_3Cl_2$. M.W. 263.12. Pale yellow liquid. M.P. 5°C. Sol. oil. Uses—herbicide, weed control.

*Kolker Chem Works, 80 Lister Ave, Newark 5, N J
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*John Powell & Co, 1 Park Ave, N Y 16
Stauffer Chem Co, P O Box 68, N Portland, Ore
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

ISOPROPYL LAURATE

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa

ISOPROPYLMETACRESOL see Thymol

ISOPROPYL PALMITATE

$C_{15}H_{31}COOCH(CH_3)_2$. M.W. 300. Colorless liquid. Sol. alcohol, ether; insol. water. Use—skin lotions.

W W Angus, 220 Broadway, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

ISOPROPYL PHENOL

$C_9H_7-C_6H_4OH$. M.W. 136.2. Water-white to light tan mobile liquid. Sol. ethanol, benzene, 10% sodium hydroxide; insol. water. Uses—production of agricultural

isopropyl acetate

• Eastman isopropyl acetate offers the lacquer formulator a low-cost solvent similar in properties to ethyl acetate. Because of its higher boiling range, it is slower to evaporate and, thus, is in demand for blush-resistant formulations.

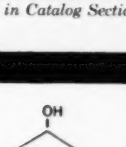
The good solvent properties of isopropyl acetate indicate a wide utility for this material in the chemical process industries. Available in drums, compartmented and full tank cars.

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EASTMAN INDUSTRIAL CHEMICALS

Sales Reps in principal cities—see ad in Catalog Section.

KOPPERS
ISOPROPYL PHENOL



USES: Suggested for use in oil-soluble phenolic resins, lubricating-oil additives, plasticizers, rubber chemicals, pharmaceuticals, agricultural chemicals, petroleum refining, dyestuff intermediates.

KOPPERS COMPANY, INC.
Chemical Division
PITTSBURGH 19, PA.

KOPPERS

*Company classifies itself as manufacturer or producer of this product

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Baltimore, Maryland

ISOPROPYL PHENOL, continued

chemicals, lubricating oil additives, phenolic resins, rubber chemicals; as high-boiling phenolic solvent.

*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa

ISOPROPYL n-PHENYL CARBAMATE

C_6H_5-NHCOOCH$(CH_3)_2$. M.W. 179.10. White to gray crystalline needles. Camphor odor. Sol. alcohol, acetone, isopropyl alcohol; slightly sol. water. Uses—highly selective herbicide for monocotyledonous plants; control of weeding grasses.

John Powell & Co, 1 Park Ave, N Y 16

ISOPROPYLTOLUENE see Cymene

ISOPROPYLTOLUOL see Cymene

ISOPROPYL 2, 4, 5-TRICHLOROPHENOXY-ACETATE

$(CH_3)_2CHCOOCH_2OC_6H_2Cl_3$. M.W. 297.57. Tan to brown solid. M.P. 46°C. Oil sol. Uses— Herbicide, weed control.

Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
John Powell & Co, 1 Park Ave, N Y 16
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

ISOQUINOLINE

C_9H_7N. M.W. 129.15. Sp. gr. 1.099 at 20°C. M.P. 24.6. B.P. 240.5 at 763 mm. Slightly soluble water.

*Barrett Div, 40 Rector St, N Y 6
*Bios Labs, 17 W 60 St, N Y 23
*Dow Chem Co, Midland, Mich
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind

ISOVALERYLALDEHYDE

$CH_3C(CH_3)CH_2CHO$. M.W. 86.13. Water-white liquid with a characteristic choking odor. B.P. 93°C. Sl. sol. water. Uses—organ. synth.; prep. of resins.

*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y

ITANCONIC ANHYDRIDE

*Bios Labs, 17 W 60 St, N Y 23
*Industrial Service Labs, 710 W Natlonal Ave, Milwaukee 4, Wis
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y

JAPAN EARTH see Cutch

JAPAN TALLOW see Wax, Japan

JAPANESE GELATIN see Agar

JAUNE BRILLIANT see Cadmium Sulfide

JUANE DE MARS see Iron Oxide, Yellow

JAVELLE WATER see Sodium Hypochlorite

JELUTONG see Gum, Pontianak

JET BLACK see Carbon Black

JOINTING COMPOUNDS

Preparations to make tight joints, eliminate leaks; used widely in industry, including gas and high pressure lines, automatic sprinkler systems, air lines, plumbing work, and general maintainance of pipe lines. Used also for coating gaskets, nuts, boiler tube caps, manhole plates of boilers and condensers, doors of gas retorts, etc. See also Sewer Pipe Jointing Compounds.

Electro Chem Engrg & Mfg Co, 752 Broad St, Emmaus, Pa
*Gen Latex & Chem Corp, 666 Main St, Cambridge, Mass
Hyde & Bates, 17 John St, N Y 38
*Johns-Manville, 22 E 40 St, N Y 16
*Quigley Co, 527 5 Ave, N Y 17
*Rector Well Equipment Co, 2215 Commerce, Houston, Tex
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind

JUDEAN PITCH see Asphaltum

KARAYA see Gum, Karaya

KAISER GREEN see Copper Acetoarsenite

KALILANGE see Potassium Hydroxide

KALIUM see Potassium

KAOLIN see Clays, China

KAPOK

The hair of the fruit of the kapok and bombax trees. Uses—upholstering purposes and for filling lifebelts.

Agazarian & Co, 99 Hudson St, N Y 13
*American Felt Co, Glenville, Conn
Dalton-Cooper, 200 W 34 St, N Y

KATECHU see Cutch

KAURIE see Gum, Copal

KERATIN

$C_{41}H_{71}O_{14}N_{12}S$. Protein derived from hoofs, horns, shells, etc. Yellowish-brown powder. Insol. in water, alcohol, ether, dil. acids; sol. in glacial acetic acid, ammonia water. Uses—coating "enteric" pills.

*Bios Labs, 17 W 60 St, N Y 23
Smith Crude Drug & Spice Corp, 101 Beekman St, N Y

KEROCAINE see Procaine Hydrochloride

KETOHEXAMETHYLENE see Cyclohexanone

KETOL see Indole

KETOPROPANE see Acetone

KIESERITE see Magnesium Sulfate

KIESELGUHR see Diatomaceous Earth

KILLEEN see Moss, Irish

KING'S BLUE see Cobalt Blue

KING'S BLUE see Smalt

KING'S GREEN see Copper Acetoarsenite

KING'S YELLOW see Arsenic, Yellow

KRYOLITH see Cryolite, Natural

KRYPTON

Kr. At. Wt. 83.7. Rare inert gas. Uses—electrical luminescent tubes.

*Air Reduction Sales Co, 60 E 42 St, N Y 17
*Linde Air Products Co, 30 E 42 St, N Y 17
Matheson Co, Paragon Div, E Rutherford, N J

KUTCH see Cutch

LAC see Shellac

LACQUER BASES

In formulating lacquers, base lacquers serve as the starting point from which special lacquers are produced.

*American Marietta Co, 101 E Ontario St, Chicago 11, Ill
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Compo Chem Co, 150 Causeway St, Boston 14, Mass
*Dagmar Chem Co, P O Box 343, Glenbrook, Conn
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Howe & French, Mfg Dept, E Weymouth, Mass
J Landau Co, 221 Wooster St, N Y 12
*National Chem & Plastics Co, 1424 Philpot St, Baltimore 3, Md
*Pennsylvania Color & Chem Co, Pine Run Rd, Doylestown, Pa
Pyroxylin Products, 4851 S St Louis Ave, Chicago 32, Ill
*Scholle Chem Corp, 6641 Ridge Ave, Chicago 26, Ill
*U S Industrial Chem, 60 E 42 St, N Y

LACQUER DOPE see Pyroxylin Solutions

LACQUERS, ALCOHOL RESISTANT

Lacquer coatings so formulated that they are unaffected by alcohol.

*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Grand Rapids Varnish Corp, 1350 Steele Ave S W, Grand Rapids 2, Mich
*Grand Rapids Wood Finishing Co, 53-71 Grandmille Ave S W, Grand Rapids 2, Mich
*Industrial Chem Co, 610 Hearst Ave, Berkeley, Cal
Kay & Ess Co, P O Box 968, Dayton, Ohio
J Landau Co, 221 Wooster St, N Y 12
*Monroe Sandar Corp 10-18 46 Ave, L I C 1, N Y
*Raffi & Swanson, Chelsea, Mass
*Sherwin-Williams Co, 100 Park Ave, N Y 17

LACQUERS, AUTOMOTIVE

Lacquers applied over primer and surfacer coats to give a lustrous and colorful finish.

*Arco Co, 7301 Bessemer Ave, Cleveland 27, Ohio
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Industrial Chem Co, 610 Hearst Ave, Berkeley, Cal
Kay & Ess Co, P O Box 968, Dayton, Ohio
*Rinshed-Mason Co, 5935 Milford St, Detroit 10, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17

LACQUERS, BRUSHING

Lacquers formulated to be applied with a brush.

*Alabastine Paint Products, 2639 W Grand Ave, Chicago 12, Ill
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
Howe & French, Mfg Dept, E Weymouth, Mass
*Industrial Chem Co, 610 Hearst Ave, Berkeley, Cal
Kay & Ess Co, P O Box 968, Dayton, Ohio
*Lacquer Specialties, 249 Ave P, Newark 5, N J
*Raffi & Swanson, Chelsea, Mass
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Switzer Bros, 4732 St Clair Ave, Cleveland 3, Ohio

LACQUERS, CAN

Clear lacquers formulated to provide a protective coating to tinplate used in manufacturing the so-called "tin-can" containers.

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Interchem Corp, 224 McWhorter St, Newark, N J
Kay & Ess Co, P O Box 968, Dayton, Ohio
*Sherwin-Williams Co, 100 Park Ave, N Y 17

LACQUERS, CELLULOSE BASE

Lacquers formulated with cellulose acetate, etc., as distinguished from lacquers prepared with nitrocellulose bases, and so relatively non-inflammable.

*American-Marietta Co, 101 E Ontario St, Chicago 11, Ill
*American Products Mfg Co, 8127-8133 Oleander & Dublin Sts, New Orleans 18, La
*Atlas Powder Co, 9 & Market Sts, Wilmington, Del

*Company classifies itself as manufacturer or producer of this product

LACQUERS, CELLULOSE BASE, continued

*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Coating Materials Labs, 689 Main St, Belleville, N J
Howe & French, Mfg Dept, E Weymouth, Mass.
Kay & Ess Co, P O Box 968, Dayton, Ohio
*Lacquer Specialties, 249 Ave P, Newark 5, N J
*Raffi & Swanson, Chelsea, Mass
*Reliance Varnish Co, 4730 Crittenden Dr, Louisville 9, Ky
*Rosco Labs, 367 Hudson Ave, Bklyn 1, N Y
*Sherwin-Williams Co, 100 Park Ave, N Y 17

LACQUERS, CLEAR

A lacquer which has no color pigment or dye incorporated in it is termed a clear (transparent) lacquer.

*Alltex Rubber & Chem Co, 400 W 219 St, N Y 34
*American Products Mfg Co, 8127-8133 Oleander & Dublin Sts, New Orleans 18, La
*Atlas Powder Co, 9 & Market Sts, Wilmington, Del
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Barrett Varnish Co, 1532 S 50 Court, Cicero 50, Ill
*V J Dolan & Co, 1830 N Laramie Ave, Chicago 39, Ill
*Duralac Chem Corp, 84 Lister Ave, Newark 5, N J
*Grand Rapids Varnish Corp, 1350 Steele Ave S W, Grand Rapids 2, Mich
*Grand Rapids Wood Finishing Co, 53-71 Grandmille Ave S W, Grand Rapids 2, Mich
*Howe & French, Mfg Dept, E Weymouth, Mass
*Industrial Chem Co, 610 Hearst Ave, Berkeley, Cal
Kay & Ess Co, P O Box 968, Dayton, Ohio
*Keiner Co, 410 Adams St, Newark 5, N J
L J & M La Place, Lellarts Lane, E Paterson, N J
*Lacquer Specialties, 249 Ave P, Newark 5, N J
*Midland Industrial Finishes Co, E Water St, Waukegan, Ill
*Monroe Sander Corp, 10-18 46 Ave, L I C 1, N Y
*National Chem & Plastics Co, 1424 Philpot St, Baltimore 3, Md
*New England Lacquer Co, Box 89, E Providence, R I
*Pierce & Stevens, 710 Ohio St, Buffalo 3, N Y
A J & J O Pilar, Chapel St & Lister Ave, Newark 5, N J
*Raffi & Swanson, Chelsea, Mass
*Rinshed-Mason Co, 5935 Milford St, Detroit 10, Mich
*Rosco Labs, 367 Hudson Ave, Bklyn 1, N Y
*Sherwin-Williams Co, 100 Park Ave, N Y 17

LACQUERS, EMULSIFIED

Emulsions consisting of viscous, dough-like lacquer base dispersed in a small percentage of water; plus a very high solids content (film forming) and it also permits the use of nitrocellulose of much higher viscosity. Uses—coating porous materials, coating paper.

*Atlantic Chem Co, 2072 Smith St, Centredale, R I
A J & J O Pilar, Chapel St & Lister Ave, Newark 5, N J

LACQUERS, HEAT RESISTING

Usually do not contain nitrocellulose. Often made with certain types synthetic resins.

*American Polymer Corp, 101 Foster St, Peabody, Mass
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
Kay & Ess Co, P O Box 968, Dayton, Ohio
*Midland Industrial Finishes Co, E Water St, Waukegan, Ill
*Raffi & Swanson, Chelsea, Mass
*Sherwin-Williams Co, 100 Park Ave, N Y 17

LACQUERS, LEATHER

Applied to leather to produce color effects or to emphasize and preserve the original beauty of the leather. These lacquers must be flexible and soft as the leather to which they are applied must not lose its "feel."

*American Finish & Chem Co, 1012 Broadway, Chelsea 50, Mass
*American Polymer Corp, 101 Foster St, Peabody, Mass
*Compo Chem Co, 150 Causeway St, Boston 14, Mass
*Fiebing Chem Co, 516 2 St, Milwaukee 4, Wis
*Grand Rapids Wood Finishing Co, 53-71 Grandmille Ave S W, Grand Rapids 2, Mich
Howe & French, Mfg Dept, E Weymouth, Mass
*Industrial Chem Co, 610 Hearst Ave, Berkeley, Cal
Kay & Ess Co, P O Box 968, Dayton, Ohio
*Keiner Co, 410 Adams St, Newark 5, N J
*New England Lacquer Co, Box 89, E Providence, R I
*Pierce & Stevens, 710 Ohio St, Buffalo 3, N Y
A J & J O Pilar, Chapel St & Lister Ave, Newark 5, N J
*R & A Leather Finish Co, 812 E 43 St, Bklyn 10, N Y
*Raffi & Swanson, Chelsea, Mass

LACQUERS, LINOLEUM

*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
Kay & Ess Co, P O Box 968, Dayton, Ohio
*Midland Industrial Finishes Co, E Water St, Waukegan, Ill
*Raffi & Swanson, Chelsea, Mass
*Sherwin-Williams Co, 100 Park Ave, N Y 17

LACQUERS, METAL

Clear lacquers are used to prevent tarnishing, and to give a protective and decorative coat over metals. Pigmented lacquers of low solid content are employed for coating metal surfaces. See also Lacquers, Clear.

*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Atlas Powder Co, 9 & Market Sts, Wilmington, Del
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Baer Bros, 438 W 37 St, N Y 18
*Barrett Varnish Co, 1532 S 50 Court, Cicero 50, Ill
*Chem Products Corp, King Philip Rd, E Providence, R I
*Duralac Chem Corp, 84 Lister Ave, Newark 5, N J
*Howe & French, Mfg Dept, E Weymouth, Mass
*Humble Oil & Refining Co, P O Box 2180, Houston 1, Tex
*Industrial Chem Co, 610 Hearst Ave, Berkeley, Cal
Kay & Ess Co, P O Box 968, Dayton, Ohio
*Lacquer Specialties, 249 Ave P, Newark 5, N J
*Maas & Waldstein Co, 438 Riverside Ave, Newark, N J
*Midland Industrial Finishes Co, E Water St, Waukegan, Ill
*Monroe Sander Corp, 10-18 46 Ave, L I C 1, N Y
*National Chem & Plastics Co, 1424 Philpot St, Baltimore 3, Md
*New England Lacquer Co, Box 89, E Providence, R I
*Raffi & Swanson, Chelsea, Mass
*Rinshed-Mason Co, 5935 Milford St, Detroit 10, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Standard Varnish Works, 2600 Richmond Terrace, S I 3, N Y
*United Chromium, 100 E 42 St, N Y

LACQUERS, PAPER

Lacquers to impart gloss or color; used to produce waterproofness, moistureproofness, resistance to grease, and other special needs.

*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Chem Products Corp, King Philip Rd, E Providence, R I
*Howe & French, Mfg Dept, E Weymouth, Mass
*National Chem & Plastics Co, 1424 Philpot St, Baltimore 3, Md
*New England Lacquer Co, Box 89, E Providence, R I
Pyroxylin Products, 4851 S St Louis Ave, Chicago 32, Ill
*Raffi & Swanson, Chelsea, Mass

LACQUERS, PATENT LEATHER

*New England Lacquer Co, Box 89, E Providence, R I
*Raffi & Swanson, Chelsea, Mass

LACQUERS, REFRIGERATOR

Must be odorless, not affected by greases, butter and similar materials which affect many lacquers.

*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Sherwin-Williams Co, 100 Park Ave, N Y 17

LACQUERS, RESIN BASE

Lacquer where a resin is the basic inredient instead of nitrocellulose.

*American-Marietta Co, 101 E Ontario St, Chicago 11, Ill
*American Products Mfg Co, 8127-8133 Oleander & Dublin Sts, New Orleans 18, La
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Alfred Hague & Co, 227 34 St, Bklyn, N Y
*Maurice A Knight, P O Box 111, Akron 6, Ohio
*Lacquer Specialties, 249 Ave P, Newark 5, N J
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Rosco Labs, 367 Hudson Ave, Bklyn 1, N Y
*Sherwin-Williams Co, 100 Park Ave, N Y 17

LACQUERS, RUBBER

Lacquers of this type are usually applied before vulcanization and provide a film which is cracked so finely that the cracks can hardly be noticed. Such lacquers must withstand the heat of vulcanization without breaking down.

*American Products Mfg Co, 8127-8133 Oleander & Dublin Sts, New Orleans 18, La
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn

LACQUERS, RUBBER, continued

*Howe & French, Mfg Dept, E Weymouth, Mass
*Lacquer Specialties, 249 Ave P, Newark 5, N J
*Monroe Sander Corp, 10-18 46 Ave, L I C 1, N Y
*National Chem & Plastics Co, 1424 Philpot St, Baltimore 3, Md
*New England Lacquer Co, Box 89, E Providence, R I
*Pierce & Stevens, 710 Ohio St, Buffalo 3, N Y

LACQUERS, SPRAYING

Lacquers so formulated that they are sufficiently thin to be applied by a spray gun.

*Atlas Powder Co, 9 & Market Sts, Wilmington, Del
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Chem Products Corp, King Philip Rd, E Providence, R I
*Duralac Chem Corp, 84 Lister Ave, Newark 5, N J
*Howe & French, Mfg Dept, E Weymouth, Mass
*Industrial Chem Co, 610 Hearst Ave, Berkeley, Cal
*Keiner Co, 410 Adams St, Newark 5, N J
*Lacquer Specialties, 249 Ave P, Newark 5, N J
*Midland Industrial Finishes Co, E Water St, Waukegan, Ill
*Monroe Sander Corp, 10-18 46 Ave, L I C 1, N Y
*National Chem & Plastics Co, 1424 Philpot St, Baltimore 3, Md
A J & J O Pilar, Chapel St, & Lister Ave, Newark 5, N J
*Raffi & Swanson, Chelsea, Mass
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Standard Varnish Works, 2600 Richmond Terrace, S I 3, N Y
*Switzer Bros, 4732 St Clair Ave, Cleveland 3, Ohio
*Toch Bros, 2600 Richmond Terrace, S I, N Y

LACQUERS, TEXTILE

Special lacquers which must print; stay raised; not stick in the stencil; not penetrate too deeply into the fabric; dry by the time the fabric reaches the end of the festoon; have adhesion; have flexibility.

*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Chem Products Corp, King Philip Rd, E Providence, R I
*Raffi & Swanson, Chelsea, Mass
*Switzer Bros, 4732 St Clair Ave, Cleveland 3, Ohio

LACQUERS, TUMBLING

*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Duralac Chem Corp, 84 Lister Ave, Newark 5, N J
*Howe & French, Mfg Dept, E Weymouth, Mass

LACQUERS, VEILING

*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn

LACQUERS, WOOD

Lacquers of high residual solid content to fill the roughness of the wood (fill the pores) and provide a smooth finish.

*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Atlas Powder Co, 9 & Market Sts, Wilmington, Del
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Baer Bros, 438 W 37 St, N Y 18
*V J Dolan & Co, 1830 N Laramie Ave, Chicago 39, Ill
*Duralac Chem Corp, 84 Lister Ave, Newark 5, N J
*Grand Rapids Varnish Corp, 1350 Steele Ave S W, Grand Rapids 2, Mich
*Grand Rapids Wood Finishing Co, 53-71 Grandmille Ave S W, Grand Rapids 2, Mich
*Howe & French, Mfg Dept, E Weymouth, Mass
*Industrial Chem Co, 610 Hearst Ave, Berkeley, Cal
*Interchem Corp, 224 McWhorter St, Newark, N J
*Keiner Co, 410 Adams St, Newark 5, N J
*Lacquer Specialties, 249 Ave P, Newark 5, N J
*Monroe Sander Corp, 10-18 46 Ave, L I C 1, N Y
*National Chem & Plastics Co, 1424 Philpot St, Baltimore 3, Md
*New England Lacquer Co, Box 89, E Providence, R I
*Pierce & Stevens, 710 Ohio St, Buffalo 3, N Y
*Raffi & Swanson, Chelsea, Mass
*Reliance Varnish Co, 4730 Crittenden Dr, Louisville 9, Ky
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Toch Bros, 2600 Richmond Terrace, S I, N Y

LACQUERS, WRINKLE

*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Duralac Chem Corp, 84 Lister Ave, Newark 5, N J
*Howe & French, Mfg Dept, E Weymouth, Mass
*Sherwin-Williams Co, 100 Park Ave, N Y 17

*Company classifies itself as manufacturer or producer of this product

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LAMP BLACKS FOR EVERY PURPOSE

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CHEMURGIC DIVISION, NORWICH, N. Y.

LACTATES see advertisements on this page and individual listings

LACTIN see Sugar of Milk

LACTONITRILE

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Bios Labs, 17 W 60 St, N Y 23

LACTOSE see Sugar of Milk

LAMINATED TALC see Mica

LAMP BLACK (Germantown Black)—see also Carbon Black

For description and uses see Carbon Black. Grades—various.

Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Cole & De Graf, 417 Market St, San Francisco 5, Cal
Stanley Doggett, 75 Varick St, N Y 13
K F Griffiths & Co, 280 Madison Ave, N Y 16
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
L J & M La Place, Lellarts Lane, E Paterson, N J
*L Martin Co, 41 E 42 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
C J Osborn Co, 132 Nassau St, N Y
D H Osgood Co, 4181 Oakman Blvd, Detroit 4, Mich
Prince Mfg Co, Lehigh St, Bowmanstown, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
*Smead & Small, 1630 Hanna Blvd, Cleveland 15, Ohio
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Wm B Tabler Co, 1612 Heyburn Bldg, Louisville 2, Ky
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
C K Williams & Co, 640 N 13 St, Easton, Pa
Witco Chem Co, 295 Madison Ave, N Y 17

LANOLIN (Adeps Lanae, Alapurin, Woolfat, Oesipos, Wool Grease)

Purified grease from sheep's wool. White or slightly colored amorp., slight odor. Natural. Slightly sol. alcohol. Sol. ether, chloroform. Grades—commerical and U.S.P. Uses—mfr. rosin soaps, superfatting toilet soaps; dressing, finishing, stuffing, softening leather; in salves, ointments, emulsions, cosmetics, pomades, toilet preparations. Grades—U.S.P. hydrous, anhyrous, tech.

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NEW YORK DIGBY 4-2695 NEWARK MITCHELL 2-5448

*Company classifies itself as manufacturer or producer of this product

LANOLIN, continued

S L Abbot Co, 135 King St, San Francisco 7, Cal
American-British Chem Supplies, 180 Madison Ave, N Y
*American Chem Paint Co, Ambler, Pa
*American Lanolin Corp, 13 Railroad St, Lawrence, Mass
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bergstrom Trading Co, 233 Broadway, N Y
*Paul Blum Co, 313-319 Larkin St, Buffalo 10, N Y
*F L Bodman, 328 Chestnut St, Phila 6, Pa
*Bopf-Whittam Corp, 1135-1153 Elizabeth Ave W, Linden, N J
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
Chem Mfg Co, 21 West St, N Y
Conray Products, 510 6 Ave, N Y 11
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
European Chem Co, 366 Broadway, N Y 13
Faesy & Besthoff, 325 Spring St, N Y 13
Fallek Products Co, 163 Broadway, N Y 6
Frank G Fanning, 50 E 42 St, N Y 17
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Hummel Chem Co, 90 West St, N Y 6
Innis, Speiden & Co, 117 Liberty St, N Y 6
Walter H Jelly & Co, 420 N Western Ave, Chicago 12, Ill
*V & E Kohnstamm, 329 Canal St, N Y 13
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Lack Chem Co, 19 Park Pl, N Y 7
*Lanaetex Products, Box 52 Sta A, Elizabeth, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
N I Malmstrom & Co, 147 Lombardy St, Bklyn 22, N Y
Martin, Hoyt & Milne, 615-625 Merchants Exchange Bldg, San Francisco 4, Cal
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 80 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
Wm D Neuberg Co, 420 Lexington Ave, N Y 17
Alan D Oppenheimer, 578 Exchange St, Buffalo 10, N Y
Palmer Supplies Co, 8905 Lake Ave, Cleveland 2, Ohio
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Walter A Reinicke, 549 W Washington Blvd, Chicago 6, Ill

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Now—new blacks with (1) a bluer undertone, (2) greater tinting strength, (3) lower oil absorption. Produced by a new process, they are also more uniform . . . available in greater quantity . . . at lower prices . . . to supplement Bear Germantown Blacks, leaders for 35 years.

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Anhydrous, U.S.P., Hydrous, U.S.P.
Technical Absorption Base

Common and Neutral Degras
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N. I. MALMSTROM & CO.
America's Largest Processor of Wool Fat and Lanolin
147 Lombardy St., Brooklyn 22, N. Y.
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ROWAG

AAA LANOLIN
Finest cosmetic quality available—triple refined vacuum deodorized, extremely light color and glossy texture—far superior to standard grades.

ALANOL*
A new fluid, oil-soluble fraction of lanolin, consisting principally of liquid lanolin alcohols—an effective emollient, softening agent, lubricant and conditioner—for liquid hair and skin preparations, lubricant additive, leather conditioning compounds.

ALCOLAN*
A self-emulsifying, lanolin fraction absorption base—forms lustrous w/o emulsions—for cosmetic, pharmaceutical use.

CERALAN*
A cholesterol-rich, alcohol lanolin fraction—an excellent emulsifier, emollient and stabilizer—for creams, lotions, lipsticks and ointments.

LANOCERIN*
A new ceraceous fraction of lanolin consisting of its solid alcohols and hard wax esters — for lipsticks, deodorant sticks, eyebrow pencils and wax compositions.

LANOCHOL*
A new wax fraction of lanolin, consisting mainly of its soft, wax alcohols combined with certain soft wax lanolin esters—an excellent emulsifier, emollient and superfatting agent — for cosmetic and pharmaceutical emulsions, toilet and shaving soaps, industrial hand cleaners, and wax compositions.

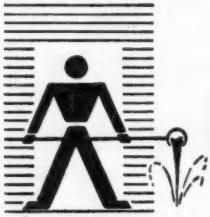
LANOGENE*
The fluid, oil-soluble ester fraction of lanolin — contains 16% cholesterol in liquid, oil-soluble form—an effective lubricant, emollient, solubilizer and penetrant—for toilet preparations, hair dressings, lipsticks and deodorant creams.

NEUTRAL WOOLGREASE
Refined to customers specifications—for rust preventives — lubricants — leather dressings, printing inks.

*Reg. U. S. Pat. Off.

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LANOLIN, continued

Republic Chem Corp, 94 Beekman St, N Y 38
*Robinson Wagner Co, 110 E 42 St, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Thomas J Shields Co, 11 Water St, N Y 4
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Smith Crude Drug & Spice Corp, 101 Beekman St, N Y
Stevenson Bros & Co, 110 Race St,, Phila 6, Pa
Szenkovits Corp, Chrysler Bldg, N Y 17
George Uhe Co, 76 9 Ave, N Y 14
O J Weeks Co, 16 Hudson St, N Y 13
Welch, Holme & Clark Co, 439 West St, N Y 14
Witco Chem Co, 295 Madison Ave, N Y 17

LANOSTEROL (Isocholesterol)

$C_{30}H_{50}O$. An unsaturated sterol closely related to cholesterol. M.P. 139-140°C., comprising approx. 25% of wool wax.

Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Robinson Wagner Co, 110 E 42 St, N Y 17

LANTHANUM OXIDE

La_2O_3. Mol. wt. 325.84. White powder; true density, 6.51; bulk density, 1.2; melting pt. 2315°C; boiling pt. 4200°C. Sol. in dilute acids; partially converted to carbonate in air; also absorbs moisture. Use—Manufacture of high index optical glass.

Albumina Supply Co, 2 Broadway, N Y 4
*Bios Labs, 17 W 60 St, N Y 23
City Chem Corp, 132 W 22 St, N Y 11
*Delta Chem Works, 23 W 60 St, N Y
*Lindsay Light & Chem Co, 258 Ann St, W Chicago, Ill
*Maywood Chem Works, Maywood, N J
George F Smith, 60 E 42 St, N Y 17

LAPIS CAUSTIC see Silver Nitrate

LAPIS LAZULI, ARTIFICIAL see Ultramarine Blue

LARD

Adeps, Axungia Porci. Purified internal fat from abdomen of the hog. Soft, white, unctuous mass; slight characteristic odor, bland taste. Sp. gr. .0917. Melts 36-42°C; insol. in water; sol. benzine, chloroform, ether, petrol, benzin. Uses—emollient; in manuf. ointments.

LARD, continued

*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Spiegel & Peiffer, 2 Broadway, N Y 4
Welch, Holme & Clark Co, 439 West St, N Y 14

LARVA KILLING COMPOUNDS

*Chem Insecticide Corp, 57 13 St, Bklyn 15, N Y
John A Chew, 60 E 42 St, N Y 17
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
*Innis, Speiden & Co, 117 Liberty St, N Y 6
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Solvay Sales Div, 40 Rector St, N Y 6

LATEX (Natural Water Dispersions of Rubber)

The liquid secretion of the hevea tree. Grades—Normal (38-40%) Latex, concentrated (60-72%) Latex.

*Alltex Rubber & Chem Co, 400 W 219 St, N Y 34
Arabol Mfg Co, 110 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich
Gen Latex & Chem Corp, 666 Main St, Cambridge, Mass
*Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
Paisley Products, 630 W 51 St, N Y
*Polymer Chem Co, 5920 Carthage Ave, Cincinnati 2, Ohio
*Rubba Inc, 1015 E 173 St, N Y
Rubber Corp of America, 274 Ten Eyck St, Bklyn 6, N Y
*Safran Chem & Supply Co, 531-33 Washington St, Lynn, Mass
Stein, Hall & Co, 285 Madison Ave, N Y 17

LAUROYL CHLORIDE

*Dow Chem Co, Midland, Mich
*Halogen Chem, 1505 Charlton Dr, Columbia, S C
Hummel Chem Co, 90 West St, N Y 6
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

LAUROYL PEROXIDE (Dodecanoyl Peroxide)

$(C_{11}H_{23}CO)_2O_2$. White, coarse powder. M.P. 48-50°C. Uses—Bleaching agent for fats, oils, and waxes; polymerization catalyst.

*Bios Labs, 17 W 60 St, N Y 23
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Frank G Fanning, 50 E 42 St, N Y 17
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y

LAURYL BROMIDE (Dodecyl Bromide)

$CH_3(CH_2)_{10}CH_2Br$. M.W. 249.2. Colorless liquid.

*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

LAURYL CHLORIDE

$C_{12}H_{25}Cl$. approx. M.W. 312. Insol. water; sol. organic solvents. Use—production of esters for plasticizers.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y

LAURYL ISO QUINOLINIUM BROMIDE

$(C_{12}H_{25})BrNC_9H_7$. M.W. approx. 390. Quaternary ammonium salt, surface active agent. Uses—fungicide, bactericide.

*Rohm & Haas Co, Washington Sq, Phila 5, Pa

LAURYL MERCAPTAN

*Novadel-Agene Corp, Lucidol Div, 1740 Military Rd, Buffalo 5, N Y

n-LAURYL METHACRYLATE

$CH_2{=}C(CH_3)\text{-}COOC_{12}H_{25}$. (Prepared from commercial Lauryl alcohol containing approximately 60% $C_{12}H_{25}OH$.) B.R. 193-243°C. at 50 mm. Sp. gr. 0.863. Uses—Preparation of polymers and copolymers.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Bios Labs, 17 W 60 St, N Y 23
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

LAURYL PYRIDINIUM CHLORIDE

$C_5N_5NC_{12}H_{25}Cl$. Mol. Wt. 283.4. Yellow-gray semi-solid. Uses—cationic detergent in rayon industry. Manufacture of bactericidal and germicidal solutions.

Aceto Chem Co, 82 Beaver St, N Y 5
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Stepan Chem Co, 1353 N Branch St, Chicago 22, Ill

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ANHYDROUS U. S. P. HYDROUS U. S. P.

TECHNICAL LANOLIN

COMMON DEGRAS NEUTRAL DEGRAS

WOOL GREASE FATTY ACIDS

HUMMEL CHEMICAL COMPANY

INCORPORATED

90 WEST STREET NEW YORK 6, N. Y.

TELEPHONE: RECTOR 2-5687

*Company classifies itself as manufacturer or producer of this product

LAYOR-CARANG see Agar

LEAD, BLACK see Graphite

LEAD FLAKE see Lead, White

LEAD (Metal)

Pb. Gray solid metal. Sp. gr. 11.33. M.P. 327.4°C. B.P. 1613°C. Sol. nitric acid; insol. water. Uses—mfr. lead pigments, lead salts, white lead, storage batteries, alloys, solders; anodes for chrome plating; linings for apparatus.

*American Smelting & Refining Co, 120 Broadway, N Y 5
*Anaconda Copper Mining Co, 25 Broadway, N Y 4
J T Baker Chem Co, Phillipsburg, N J
Charles Gitlan & Co, 25 Beaver St, N Y 4
*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Morris P Kirk & Son, 2717 S Indiana St, Los Angeles, Cal
Metallurgical Products Co, 35 & Moore Sts, Phila 45, Pa
*National Lead Co, 111 Broadway, New York, N Y
*Northwest Lead Co, 2700 16 Ave S W, Seattle, Wash
*U S Smelting Refining & Mining Co, 57 William St, N Y 5

LEAD ACETATE (Sugar of Lead, Goulard's Powder, Plumbous Acetate)

$Pb(CH_3COO)_2 + 3H_2O$. White or brown cryst. or powd. Sp. gr. 2.50. Loses water at 75°C. B.P. 280° C. Sol. water. Uses—mfr. lead salts, alum mordants, lead driers, lead resinate, lead arsenate, lead oleate, dry colors, printing inks, paper, chrome red and chrome orange pigments, chrome yellow; as clarifying agent; lead plating; antique effects on metals; mordant in dyeing and printing textiles; indigo resist; laboratory reagent; drier in paints and varnishes; in weighting silks; waterproofing textiles; refining sugar and sugar juices; in medicine. Grades—U.S.P.; C.P.; brown; white; powd.; cryst.; cakes. (1 lb.); cartons (1,5 lbs.); bottles(¼, ½, 5 lbs.).

American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Chem Mfg Co, 21 West St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Faesy & Besthoff, 325 Spring St, N Y 13
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
J U Starkweather Co, 241 Allens Ave, Providence, R I

LEAD ACETATE (Basic) (Lead Acetate, Dibasic; Lead Subacetate)

$Pb(C_2H_3O_2)_2—2Pb(OH)_2$. Heavy, white powd. Sol. water; almost insol. alcohol. Uses—in sugar analysis; clarifying and decolorizing solutions.

*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill

LEAD ANTIMONIATE (Antimony Yellow, Naples Yellow, Giallioline, Plumbous Stibnate)

$Pb_3(SbO_4)_2$. M.W. 804.74. Orange-yellow powd. Sp. gr. 4.60-4.76. Sol. water. Uses—mfr. porcelains, potteries; as paint pigment; in staining glass. Grades—tech.

American-British Chem Supplies, 180 Madison Ave, N Y
City Chem Corp, 132 W 22 St, N Y 11

LEAD ARSENATE (Plumbous Arsenate)

$Pb_3(AsO_4)_2$. M.W. 899.52. White, crystalline powd. Sp. gr. 7.30. Decomposes on heating. Sol. nitric acid. Highly poisonous. Uses—as insecticide and ingredient of various insecticidal preparations. Grades—tech. (50% paste, powd.); C.P.

*American Agricultural Chem Co, 50 Church St, N Y 7
*American Agricultural Chem Co, 50 Church St, N Y 7
American Firstoline Corp, 420 Lexington Ave, N Y
Amplex Co, 60 Wall St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*California Spray-Chem Corp, Lucas & Ortho Way, Richmond, Cal
Chemstar Inc, Exchange Pl, N Y 5
Chem Mfg Co, 21 West St, N Y
John A Chew, 60 E 42 St, N Y 17

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LEAD NITRATE, Reagent, Purified & Tech.

Baker CHEMICALS

J. T. BAKER CHEMICAL CO.

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LEAD ARSENATE, continued

*Chipman Chem Co, Bound Brook, N J
C B Coburn Co, 63 Market St, Lowell, Mass
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
Florida Agricultural Supply Co, 1611 Talleyrand Ave, Jacksonville, Fla
International Selling Corp, 70 Pine St, N Y 5
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Mutchler Chem Co, 258 Broadway, N Y 7
Nopel Corp, 2 Broadway, N Y 4
*Pittsburgh Plate Glass Co, Corona Chem Div, 235 E Pittsburgh Ave, Milwaukee, Wis
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
George F Smith, 60 E 42 St, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Tobacco By-Products & Chem Corp, 401 E Main St, Richmond, Va

LEAD, ACETATE (Dibasic) see Lead Acetate (Basic)

LEAD BORATE (Plumbous Borate, Lead Drier)

$Pb(BO_2)_2.H_2O$. White powd. Sp. gr. 5.598. Melts at red heat. Sol. dilute nitric acid. Uses—mfr. leaded glass, waterproof paints, galvano-plastics; as paint and varnish drier; in coatings on glass, potteries, etc.; flux; enamel frit. Grades—tech.; C.P.

*J T Baker Chem Co, Phillipsburg, N J
John Clarke & Co, 420 Lexington Ave, N Y 17

LEAD BROMIDE

$PbBr_2$. M.W. 367.05. A colorless, rhombic crystalline powder. M.P. 380°F. Decomp. 448°. Insol. water, alcohol. Forms a horn-like mass on solidifying.

*City Chem Corp, 132 W 22 St, N Y 11
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

LEAD CARBONATE (Plumbous Carbonate)

$PbCO_3$. M.W. 267.2. A white powder. Decomp. on heating. Insol. water. Used as pigment. Native as cerrusite.

Associated Lead & Zinc Co, 2800 16 Ave S W, Seattle, Wash

LEAD CARBONATE, continued

*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*Edwin R Howell, 3478 Bewick Ave, Detroit, Mich
Hummel Chem Co, 90 West St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38

LEAD CHLORIDE (Plumbous Chloride)

$PbCl_2$. M.W. 278.1. Colorless, rhombic crystals. Insol. in water; very slightly sol. in boiling water. Uses—reagent for separation alkaloids, silver ions and carbonate ion; mixed with lead oxides as pigment material.

American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J

LEAD CHROMATE (Leipzig Yellow, Chrome Yellow, Plumbous Chromate, Paris Yellow)

$PbCrO_4$. M.W. 323.23. Fusible cryst. Sp. gr. 6.123. M.P. 844. Sol. acids. Uses—as pigment paints, varnishes, coloring paper; oxidizing agent in chemical processes; ingredient of match head compositions; in coloring porcelains and potteries. Grades—tech.; C.P.

*J T Baker Chem Co, Phillipsburg, N J
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*Ky Color & Chem Co, 600 N 34 St, Louisville, Ky.
*Mineral Pigments Corp, Muirkirk, Md
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
Republic Chem Corp, 94 Beekman St, N Y 38
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Western Dry Color Co, 600 W 52 St, Chicago 9, Ill

LEAD DIOXIDE see Lead Peroxide

LEAD DRIER see Lead Borate

LEAD 2-ETHYLHEXOATE (Lead Octoate)

$Pb[CH_3(CH_2)_3CH(C_2H_5)CO_2]_2$. M.W. 493.6. Nearly colorless amorphous solid. Uses—as a drier in paints and varnishes.

Lead NAPHTHENATE

Lead LINOLEATE

Lead OCTOATE

Fred'k A. Stresen-Reuter, Inc.

TELEPHONES HUMBOLDT 6-1552 - 1553

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*Company classifies itself as manufacturer or producer of this product

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2800 PEARL STREET • BOULDER, COLORADO

LEAD 2-ETHYLHEXOATE, continued

*Argus Chem Lab, 56 Clifton Pl, Bklyn 5, N Y
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Witco Chem Co, 295 Madison Ave, N Y 17

LEAD FLAKE see Lead, White

LEAD FLUOBORATE

$Pb(BF_4)_2$. Used as a lead plating solution.

*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Mathe Chem Co, 169 Milblank St, Lodi, N J
*Pelron Corp, 7740 W 47 St, Lyons, Ill

LEAD FLUORIDE (Plumbous Fluoride)

PbF_2. M.W. 245.2. Dens. 8.241. Fusible white powd.; insol. water. Uses—as a constituent of fluxes; as a reducing and desulfurizing agent.

*Baker & Adamson Products, 40 Rector St, N Y
City Chem Corp, 132 W 22 St, N Y 11
*Evans Lead Corp, Box 1467, Charleston 25, W Va
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6

LEAD FORMATE

$Pb(CHO_2)_2$. Brownish-white crystalline substance.

Prior Chem Corp, 420 Lexington Ave, N Y 17

LEAD IODIDE (Plumbous Iodide)

PbF_2. M.W. 245.2. Dens. 8.241. Fusible white Sp. gr. 6.16. M.P. 393-402°C. B.P. 861-954°C. Sol. potassium iodide and sodium acetate solutions. Uses—bronzing and coloring metals; in printing, photography and medicine. Grades—N.F.; C.P.; tech.

J T Baker Chem Co, Phillipsburg, N J
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

LEAD LINOLEATE (Lead Plaster, Plumbous Linoleate)

$Pb(C_{18}H_{31}O_2)_2$. Yellowish-white, amorp. paste. Sol. acids. Uses—mfr. printing inks, dry colors; drier in paints and varnishes; in medicine. Grades—tech.

*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill

LEAD MONOXIDE see Lead Oxide, Yellow

LEAD NAPHTHENATE

34-40% lead. Amber colored, sticky plastic solid. Uses—as a paint, enamel drier; in extreme pressure lubricants.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
Barclay Chem Co, 75 Varick St, N Y
*Gen Petroleum Corp, 612 S Flower St, Los Angeles 17, Cal
R B Huber, 216 Tremont St, Boston 16, Mass
*Industrial Lining Engrs, 35 & Smallman Sts, Pittsburgh, Pa
Mathe Chem Co, 169 Milbank St, Lodi, N J
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
*Carl F Miller & Co, 1217 6 Ave S, Seattle, Wash
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Oronite Chem Co, 38 Sansome St, San Francisco 4, Cal
Chas Page & Co, 50 E 42 St, N Y 17
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Witco Chem Co, 295 Madison Ave, N Y 17

LEAD NITRATE (Plumbous Nitrate)

$Pb(NO_3)_2$. M.W. 331.24. Colorless cryst. Sp. gr. 4.53. M.P. decomposes at 357°C. Sol. water, alcohol. Uses—mfr. lead salts, lead mordants, paints, dry colors, match head and explosive compositions, paint pigments; mordant for staining mother-of-pearl, dyeing textiles and in calico printing; sensitizing agent in photography, process engraving and lithography; oxidizing agent in making synthetic dyes; decolorizing sugar; tanning leather; in medicine. Grades—C.P.; pure tech.

*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Hammill & Gillespie, 225 Broadway, N Y 7
Hummel Chem Co, 90 West St, N Y 6
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

LEAD OLEATE (Plumbous Oleate)

$Pb(C_{18}H_{33}O_2)_2$. White, fatty, amorp. granules. Sol. alcohol, ether, turpentine, benzene. Uses—drier in paints, varnishes, lacquers. Grades—tech.

*Witco Chem Co, 295 Madison Ave, N Y 17

LEAD OXIDE, BROWN see Lead Peroxide

LEAD OXIDE, RED (Red Lead, Minimum, Plumbo, Plumbic Oxide)

Pb_3PbO_4. Bright red, amorp. powd. Sp. gr. 9.096. M.P. ddecomp. between 500 and 530°C. Sol. acids. Uses—mfr. lead peroxide, ceramic cements, ceramic color, cut and crystal glass, match head compositions, pipe cement, marking crayons, storage batteries; as alcohol purifier; pigment paints, varnishes and rubber; in metallurgy; textile finishing; in medicine. Grades—tech. powd.; C.P.; U.S.P.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*Associated Lead & Zinc Co, 2800 16 Ave S W, Seattle, Wash
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Chem Mfg Co, 21 West St, N Y
C B Coburn Co, 63 Market St, Lowell, Mass
Conray Products, 510 6 Ave, N Y 11
*Evans Lead Corp, Box 1467, Charleston 25, W Va
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Morris P Kirk & Son, 2717 S Indiana St, Los Angeles, Cal
Legion Chem, 70 Wall St, N Y 5
Mutchler Chem Co, 258 Broadway, N Y 7
*National Lead Co, 111 Broadway, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Sherwin-Williams Co, 100 Park Ave, N Y 17
Robert I Webber Co, 52 Vanderbilt Ave, N Y 17
Witco Chem Co, 295 Madison Ave, N Y 17
C L Zimmerman Co, N-204 Cincinnati Union Terminal, Cincinnati 3, Ohio

LEAD OXIDE, YELLOW (Litharge, Lead Monoxide, Massico, Plumbous Oxide, Lead Protoxide)

PbO. M.W. 223.22. Yellow to yellowish-red, crystalline powd. Sp. gr. 9.53. M.P. 888°C. B.P. at white heat. Sol. alkalies, acids. Uses—mfr. lead salts, varnishes, paints, preservative paints, enamels, ceramic cements, pipe cements and lutes, pottery glazes, cut and crystal glass, inks, dry colors, glues, cements, storage batteries, petroleum, putty, boiled linseed oil, rubber, pigment, linoleum, oil-cloth, acid resisting and match head compositions; as drier; mordant in dying and finishing textiles; paint and varnish drier; metallurgical flux; tanning leather; in medicine. Grades—powdered; fused; C.P.; U.S.P.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*Associated Lead & Zinc Co, 2800 16 Ave S W, Seattle, Wash
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Conray Products, 510 6 Ave, N Y 11
*Evans Lead Corp, Box 1467, Charleston 25, W Va
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Morris P Kirk & Son, 2717 S Indiana St, Los Angeles, Cal
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Mutchler Chem Co, 258 Broadway, N Y 7
*National Lead Co, 111 Broadway, N Y
Prior Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Sherwin-Williams Co, 100 Park Ave, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Robert I Webber Co, 52 Vanderbilt Ave, N Y 17
Witco Chem Co, 295 Madison Ave, N Y 17
C L Zimmerman Co, N-204 Cincinnati Union Terminal, Cincinnati 3, Ohio

LEAD PERCHLORATE

$Pb(ClO_4)_2.3H_2O$. M.W. 460.17. Clear crystalline material. Uses—reagent, lab. L. Decomp. 100°C; sol. water, alcohol.

*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

LEAD PEROXIDE (Lead Dioxide, Lead Oxide, Brown, Puce, Lead Superoxide, Anhydrous Plumbic Acid)

PbO_2. M.W. 239.22. Brown, crystalline powd. Sp. gr. 9.375. Decomp. on heating. Sol. glacial acetic acid. Uses—mfr. intermediates, dyes, malachite green, match head compositions, explosives, rubber substitutes, electric batteries, electrodes; as oxidizing agent in making organic and inorganic chemicals; mordant in dyeing textiles; discharge in dyeing with indigo; laboratory reagent; in metallurgy; in medicine. Grades—tech.; U.S.P.; C.P.

Associated Lead & Zinc Co, 2800 16 Ave S W, Seattle, Wash
*J T Baker Chem Co, Phillipsburg, N J
Beier Co, 150 Nassau St, N Y 38
H W Gould & Co, 1100 Mills Tower, San Francisco 4, Cal

LEAD PHOSPHATE

*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo

LEAD PLASTER see Lead Linoleate

LEAD PROTOXIDE see Lead Oxide, Yellow

LEAD, RED see Lead Oxide, Red

LEAD RESINATE (Plumbous Resinate)

$Pb(C_{20}H_{29}O_2)_2$. Yellowish-white, amorp. paste. Insol. in most solvents. Uses—drier paints, varnishes; for waterproofing textiles. Grades—tech.

*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill

LEAD SILICATE

$PbSiO_3$. M.W. 283.27. Colorless, monoclinic cryst. Sp. gr. 6.49. M.P. 766°C. Insol. water. Sol. acids.

Associated Lead & Zinc Co, 2800 16 Ave S W, Seattle, Wash
*Evans Lead Corp, Box 1467, Charleston 25, W Va
Robert I Webber Co, 52 Vanderbilt Ave, N Y 17

LEAD STEARATE

$Pb(C_{18}H_{35}O_2)_2$. Yellowish-white amorp. paste. Sol. alcohol, ether. Uses—drier in paints, varnishes, lacquers. Grades—tech.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
Amsco Solvents & Chem Co, 4619 Reading Rd, Cincinnati 29, Ohio
Berlow & Schlosser Co, 401 Industrial Trust Blvd, Providence, R I
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
R B Huber, 216 Tremont St, Boston 16, Mass
Innis, Speiden & Co, 117 Liberty St, N Y 6
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*Leffingwell Chem Co, P O Box 191, Whittier, Cal
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mathe Chem Co, 169 Milbank St, Lodi, N J
*Metasap Chem Co, Logan & Davis Sts, Harrison, N J
Prior Chem Corp, 420 Lexington Ave, N Y 17
Jos Turner & Co, Ridgefield, N J
*Warwick Chem Co Div, Wood River Junction, R I
*Witco Chem Co, 295 Madison Ave, N Y 17

LEAD SUBACETATE see Lead Acetate (Basic)

LEAD SUBCARBONATE see Lead, White

LEAD, SUGAR OF see Lead Acetate

*Company classifies itself as manufacturer or producer of this product

LEAD SULFATE (Basic) (Sublimed White Lead, Anglesite Plumbous Sulfate, Vitriolate of Lead)

$PbSO_4.PbO$. White, amorp. powd. Sp. gr. 6.92. Decomp. on heating. Sl. sol. hot water. Uses—pigments in paints, enamels, putty, pottery glazes. Grades—tech.; C.P.

American Firstoline Corp, 420 Lexington Ave, N Y
Associated Lead & Zinc Co, 2800 16 Ave S W, Seattle, Wash
*J T Baker Chem Co, Phillipsburg, N J

LEAD SUPEROXIDE see Lead Peroxide

LEAD TALLATE

Lead salt of tall oil (a mixture of acids derived from pine tree) of varying composition. Uses—as a drier in paints and varnishes.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
Barclay Chem Co, 75 Varick St, N Y
*Industrial Lining Engrs, 35 & Smallman Sts, Pittsburgh, Pa
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Witco Chem Co, 295 Madison Ave, N Y 17

LEAD TETRA ACETATE

$Pb(OAc)_4$. M.W. 443.4. Colorless to faintly pink cryst. Uses—splitting glycols, amino compounds.

*Arapahoe Chem, 2800 Pearl St, Boulder, Col
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17

LEAD THIOSULFATE see Lead Hyposulfite

LEAD TUNGSTATE (Lead Wolframate, Wolframate, Raspite, Stolzite, Plumbous Tungstate)

$PbWO_4$. Yellowish powd. Sp. gr. 8.235. M.P. 1130° C. Sol. acids; sl. sol. water. Uses—as pigment. Grades—tech.

City Chem Corp, 132 W 22 St, N Y 11
*North Metal & Chem Co, 638 E Mason Ave, York, Pa

LEAD, VITRIOLATE see Lead Sulfate (Basic)

LEAD, WHITE (Basic Carbonate, Ceruse, Lead Flake, Lead Subcarbonate, Cerussa)

$2PbCO_3Pb(OH)_2$. M.W. 775.68. White, amorp. powd. Decomp. on heating. Sol. acids. Uses—mfr. ceramic glazes, litharge; pigment in paints and enamels; ingredient putty; in medicine. Grades—tech. (dry and in oil); C.P.

American Firstoline Corp, 420 Lexington Ave, N Y
*Euston Lead Co, 500 Penn Ave, Scranton 3, Pa
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
*National Lead Co, 111 Broadway, N Y
Sherwin-Williams Co, 100 Park Ave, N Y
Witco Chem Co, 295 Madison Ave, N Y 17

LEAD, WHITE (Sublimed) see Lead Sulfate (Basic)

LEAD WOLFRAMATE see Lead Tungstate

LEAF-GREEN see Chlorophyll

LEATHER DOPE BASES

*Hercules Powder Co, 9 & Market Sts, Wilmington, Del

LEATHER FLOUR

Carefully ground and graded leather, air-separated to insure uniformity in mesh. Uses—mfr. composition fillers and fabrics; compounding.

*Composition Materials Co, 23 W 44 St, N Y
Eberle Tanning Co, Church St, Westfield, Pa

LEATHER GREASE see Degras

LEATHER SHREDDED

Fiberized leather scrap, from selected tannages graded as to fiber length. Uses—filler in general compounding—rubber, paper, plastics.

*Composition Materials Co, 23 W 44 St, N Y

LECITHIN (Monoamino-Monophosphatide)

Combination of the esters of oleic, stearic, palmitic or other fatty acids with glycerophosphoric acid and choline. Yellowish-brown waxy substance contained in animal and vegetable tissues, also obtained from egg yolk. Insol. water; sol. alcohol, ether, chloroform. Decomposes on

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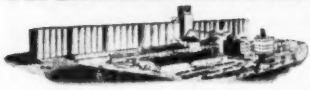
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Quicklime and Hydrated Lime
Dolomitic and Hi Calcium Limestone
Fine Ground Dolomite
Fluxing Lime and Limestone

UNITED STATES GYPSUM COMPANY
Industrial Division
300 W. Adams St. Chicago 6, Illinois

LECITHIN, continued

heating. Uses—industrial: ink, paint, shoe polish, typewriter ribbon, carbon paper, hectograph, lubricating oils, mine sprays, cosmetic, pharmaceutical. Food: chocolate, confectionery, baking products, lard, oleomargarine.

American Lecithin Co, 57-01 32 Ave, Woodside, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Bergstrom Trading Co 233 Broadway, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Central Soya Co, Fort Wayne National Bank Bldg, Fort Wayne 2, Ind
Fallek Products Co, 163 Broadway, N Y 6
Frank G Fanning, 50 E 42 St, N Y 17
*Gen Mills, Chem Div, 400 2 Ave S, Minneapolis, Minn
*Glidden Co, 5165 W Moffat St, Chicago 39, Ill
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*McMillen Feed Mills of Tenn, Memphis, Tenn
*Carl F Miller & Co, 1217 6 Ave S, Seattle, Wash
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Ross & Rowe, 50 Broadway, N Y 4
*Soya Products Div, 1825 N Laramie Ave, Chicago 39, Ill
*A E Staley Mfg Co, Decatur, Ill
Wm B Tabler Co, 1612 Heyburn Bldg, Louisville 2, Ky
*Vejin Inc, 944 W 5 St, Cincinnati 3, Ohio
O J Weeks Co, 16 Hudson St, N Y 13
Welch, Holme & Clark Co, 439 West St, N Y 14

LEIOCUM see Dextrin

LEIPZIG YELLOW see Lead Chromate

LEMON CHROME see Barium Chromate

LENCOGEN see Sodium Bisulfite

LEPIDINE (4-Methylquinoline)

$C_{10}H_9N$. M.W. 143.08. Colorless oily liquid. B.P. 262°C. Sl. sol. water; miscible alcohol, benzene, ether. Decomposes in light.

*Bios Labs, 17 W 60 St, N Y 23
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind

LEUCINE (a-Amino-Isocaproic Acid)

$(CH_3)_2CHCH_2CH(NH_2)COOH$. M.W. 131.11. White powder. Sol. water, glycerin, dilute HCl.

*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
*Dow Chem Co, Midland, Mich
*Mann Fine-Chem, 136 Liberty St, N Y 6

LEVELING AGENTS, PAPER

Preparations for eliminating foam in the manufacturing of paper which causes pinheads in the finished sheet.

*Antara Products Div, 435 Hudson St, N Y 14
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*E F Drew & Co, 15 E 26 St, N Y 10
*Geigy Co, 89 Barclay St, N Y 8
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va

LEVELING AGENTS, TEXTILE

Products added to the dye bath to give evenness and greater penetration into the fabric, thereby improving the appearance and fastness of the finished textile.

*Antara Products Div, 435 Hudson St, N Y 14
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Burkart-Schier Chem Co, Chestnut St at 13, Chattanooga 2, Tenn
*Ciba Co, 627 Greenwich St, N Y 14
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
Continental Chem Co, 195 21 Ave, Paterson, N J
*E F Drew & Co, 15 E 26 St, N Y 10
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Emkay Chem Co, 319 2 St, Elizabeth 1, N J
*Essential Chem Co, 2200 N 32 St, Milwaukee, Wis
*Geigy Co, 89 Barclay St, N Y 8
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
Lanatex Chem Co, 49 Westminister St, Providence, R I
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
M Michel & Co, 90 Broad St, N Y 4
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Paisley Products, 630 W 51 St, N Y
*Protean Chem Corp, 150 Nassau St, N Y 38
*Scher Bros, 519 Getty Ave, Clifton, N J
*Scholler Bros, Collins & Westmoreland Sts, Phila 34, Pa
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Welch, Holme & Clark Co, 439 West St, N Y 14
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

LEVULOSE (Fructose, Fruit Sugar)

$C_6H_{12}O_6$. Colorless needles. Sp. gr. 1.669. M.P. 104°C. Sol. water, alcohol, ether. Uses—as preservative; in medicine.

*Bios Labs, 17 W 60 St, N Y 23
Chem Commerce, 411 South St, Newark 5, N J
Conray Products, 510 6 Ave, N Y 11
Hammill & Gillespie, 225 Broadway, N Y 7
*Pfanstiehl Chem Co, 104 Lakeview Ave, Waukegan, Ill

LEYDEN BLUE see Cobalt Blue

LIGNIN

Available as lignin sulphonate salts of various metals and as alkali lignin. Concentrated liquid and dry powder forms. Diversified uses.

Rosenthal-Bercow Co, 25 E 26 St, N Y 10

LIGNIN SULFONATE

Frank G Fanning, 50 E 42 St, N Y 17
*Marathon Corp, Rothschild, Wis
Nopco Chem Co, Logan & Davis Sts, Harrison, N J

LIME (Agricultural)

*Austin White Lime Co, Box 53, Austin, Tex
C B Coburn Co, 63 Market St, Lowell, Mass
*T & W H Corson, Plymouth Meeting, Pa
*Cutler-Magner Co, 116 Fidelity Bldg, Duluth, Minn
Gibsonburg Lime Products Co, Gibsonburg, Ohio
E & F King & Co, 640 Pleasant St, Norwood, Mass
Alex M McIver & Son, Peoples Bldg, Charleston, S C
*Mississippi Lime Co, 7 Alby St, Alton, Ill
Smith Lime Flour Co, 535 Livingston St, Elizabeth 1, N J
*U S Gypsum Co, 300 W Adams St, Chicago 6, Ill
Western Lime & Cement Co, 125 E Wells St, Milwaukee, Wis

LIME ACETATE see Calcium Acetate

LIME (Hydrated) (Calcium Hydroxide, Calcium Hydrate, Slaked Lime)

A dry powder obtained by treating quicklime with water enough to satisfy its chemical affinity for water under the conditions of its hydration. It consists essentially of calcium hydroxide or a mixture of calcium hydroxide, magnesium oxide and magnesium hydroxide. Its principal chemical uses are in general the same as listed under lime (Quicklime). The A.S.T.M. specifications mentioned under quicklime also cover hydrated lime in most instances. Hydrated lime is shipped in numerous sizes of paper and cloth bags (50 pounds generally) and also in bulk to water treating plants and other users of large quantities. Regular and superfine terms are used to designate differences in the fineness or particle size of hydrated limes.

*Austin White Lime Co, Box 53, Austin, Tex
Barclay Chem Co, 75 Varick St, N Y
John A Chew, 60 E 42 St, N Y 17
*T & W H Corson, Plymouth Meeting, Pa
*Cutler-Magner Co, 116 Fidelity Bldg, Duluth, Minn
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Gibsonburg Lime Products, Gibsonburg, Ohio
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Hammill & Gillespie, 225 Broadway, N Y 7
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Innis, Speiden & Co, 117 Liberty St, N Y 6
E & F King & Co, 640 Pleasant St, Norwood, Mass
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Alex M McIver & Son, Peoples Bldg, Charleston, S C
McKesson & Robbins, 155 E 44 St, N Y 17
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
Merchants Chem Co, 60 E 42 St, N Y 17
*Mississippi Lime Co, 7 Alby St, Alton, Ill
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
Palmyra Lime Products Co, P O Box 187, Clarksville, Tenn
Republic Chem Corp, 94 Beekman St, N Y 38
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Smith Lime Flour Co, 535 Livingston St, Elizabeth 1, N J
Stauffer Chem Co, P O Box 68, N Portland, Ore
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

*Company classifies itself as manufacturer or producer of this product

LIME, continued

*U S Gypsum Co, 300 W Adams St, Chicago 6, Ill
Western Lime & Cement Co, 125 E Wells St, Milwaukee, Wis
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*Williams Lime Mfg Co, 905 Hamilton Bank Bldg, Knoxville, Tenn
Witco Chem Co, 295 Madison Ave, N Y 17

LIME NITRATE see Calcium Nitrate

LIME PYROLIGNITE see Calcium Acetate

LIME (Quicklime)

A calcined material, the major part of which is calcium oxide or calcium oxide in natural association with a lesser amount of magnesium oxide, capable of slacking with water. Contains also small quantities of silica, iron and aluminum oxides, and other impurities. Quicklime is produced by burning limestone or dolomite in shaft or rotary kilns. When exposed to the air for a considerable period of time, quicklime will absorb moisture and carbon dioxide. It first changes to calcium hydroxide, or hydrated lime, and later the exposed portion will unite with carbon dioxide from the air to form calcium carbonate, and thus the lime will lose some of its chemical activity for certain purposes. To prevent deterioration in storage quicklime is packed in steel drums or tight wooden barrels containing 180 or 280 lbs., and in waterproof multiwall paper bags or paper-lined burlap bags containing amounts of quicklime which vary among the different companies, usually about 80 lbs. Quicklime is shipped also in bulk. Its principal chemical uses include the following—as a fluxing agent, and for wire drawing, pickling, annealing, and pig casting in the iron and steel industry; for causticizing, and the manufacture of bleach, paper filler, by-products from waste liquor in the paper industry; as a softening agent, corrosion corrective, and for iron, color, and objectionable gas removal in water treatment; as an important ingredient in the maufacture of soda-lime glass; for dehairing hides in the leather industry; as a raw material in the manufacture of calcium carbide and calcium cyanamide; in the processing or manufacture of sand-lime brick; silica brick; sugar; insecticides, fungicides, and disinfectants; glue and gelatin; sodium bicarbonate and soda ash; paint pigments; varnish; lubricating greases; textiles; dyestuffs and intermediates; and for the treatment of sewage and trade wastes.

*Austin White Lime Co, Box 53, Austin, Tex
John A Chew, 60 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
*Cutler-Magner Co, 116 Fidelity Bldg, Duluth, Minn
Gibsonburg Lime Products, Gibsonburg, Ohio
Hammill & Gillespie, 225 Broadway, N Y 7
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
McKesson & Robbins, 155 E 44 St, N Y 17
*Mississippi Lime Co, 7 Alby St, Alton, Ill
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
Palmyra Lime Products Co, P O Box 187, Clarksville, Tenn
Smith Lime Flour Co, 535 Livingston St, Elizabeth 1, N J
*U S Gypsum Co, 300 W Adams St, Chicago 6, Ill
Western Lime & Cement Co, 125 E Wells St, Milwaukee, Wis
*Williams Lime Mfg Co, 905 Hamilton Bank Bldg, Knoxville, Tenn

LIME SALTPETER see Calcium Nitrate

LIME, SLAKED see Lime (Hydrated),

LIME SULFUR

Summer fungicides and insecticides for fruit trees; of special value for control of scale; used in connection with other insecticides for the simultaneous control of chewing and sucking insects as well as certain fungus diseases; marketed both as a solution (33° Be.), or as a dry powder.

*California Spray-Chem Corp, Lucas & Ortho Way, Richmond, Cal
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Palmyra Lime Products Co, P O Box 187, Clarksville, Tenn
*Taylor Chem Co, Box 337, Aberdeen, N C
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

LIME, VIENNA

Special type of lime, extremely amorphous in character, in contrast with the granular structure of most limes. Uses—in formulation of polishing and buffing compounds.

Charles B Chrystal Co, 53 Park Pl, N Y 7
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
L J & M La Place, Leliarts Lane, E Paterson, N J
Smith Lime Flour Co, 535 Livingston St, Elizabeth 1, N J
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

LIMESTONE see Calcium Carbonate

LINALOOL

$C_{10}H_{18}O$. M.W. 154.2. Colorless liq. B.P. 195-198°C. Slightly sol. water, sol. alcohol, ether. Uses—in perfumery in preparation of many floral odors.

*Dodge & Olcott, 180 Varick St, N Y 14
*P R Dreyer, 113 W 19 St, N Y
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Geo Lueders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*Maywood Chem Works, Maywood, N J
*S B Penick & Co, 50 Church St, N Y 7
Polak & Schwartz, 667 Washington St, N Y 14
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

LINALYL ACETATE

$C_{12}H_{20}O_2$. M.W. 196.2. Colorless to slightly yellow liq. with odor of bergamot. B.P. 220°C. Slightly sol. water; sol. alcohol, ether. Uses—mfr. artificial bergamot oils.

*Dodge & Olcott, 180 Varick St, N Y 14
*P R Dreyer, 113 W 19 St, N Y
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Geo Lueders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
*Maywood Chem Works, Maywood, N J
*S B Penick & Co, 50 Church St, N Y 7
Polak & Schwartz, 667 Washington St, N Y 14
Tombarel Products Corp, 12 E 22 St, N Y 10

LINALYL FORMATE

*Dodge & Olcott, 180 Varick St, N Y 14
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*S B Penick & Co, 50 Church St, N Y 7
Polak & Schwartz, 667 Washington St, N Y 14
*Verona Chem Co, 26 Verona Ave, Newark, N J

LINALYL ISO BUTYRATE

*Dodge & Olcott, 180 Varick St, N Y 14
*Fairmont Chem Co, 600 Ferry St, Newark 5, N J
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Polak & Schwartz, 667 Washington St, N Y 14
*Verona Chem Co, 26 Verona Ave, Newark, N J

LINALYL PROPIONATE

*Dodge & Olcott, 180 Varick St, N Y 14
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*S B Penick & Co, 50 Church St, N Y 7
Polak & Schwartz, 667 Washington St, N Y 14
*Verona Chem Co, 26 Verona Ave, Newark, N J

LINDANE

*Beechem Labs, 1102 W State St, St Johns, Mich
*California Spray-Chem Corp, Lucas & Ortho Way, Richmond, Cal
*Ethyl Corp, 100 Park Ave, N Y 17
Fallek Products Co, 163 Broadway, N Y 6
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
McKesson & Robbins, 155 E 44 St, N Y 17
Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*S B Penick & Co, 50 Church St, N Y 7
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
John Powell & Co, 1 Park Ave, N Y 16
Riverdale Chem Co, 324 E 147 St, Harvey, Ill
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Tobacco By-Products & Chem Corp, 401 E Main St, Richmond, Va

LINNEN SEED see Oil, Linseed

LINSEED see Flax Seed

LINUM see Flax Seed

LIQUEFIED PETROLEUM GASES

Principal members of the group are: ethylene, propane, butane, isobutane, propylene, butylene. Butane is used for enriching water gas; as a base material for manufactured gas; in connection with butane-air distribution from central stations where manufactured or natural gas is not available. Propane is widely used for so-called "bottled service," for country residences, etc. Butane is used for commercial heating in plants. Ethane is sometimes used as a fuel. Ethylene is used for ripening fruit and as an anaesthetic. Propylene and butylene are used in organic synthesis.

*Godfrey L Cabot, 77 Franklin St, Boston, Mass
Matheson Co, Paragon Div, E Rutherford, N J
*Tide Water Associated Oil Co, 79 New Montgomery St, San Francisco 20, Cal
*Union Oil Co of Cal, 617 W 7 St, Los Angeles 17, Cal

LITHIUM

Benzoate — Hydroxide
Bromide — Naphthenate
Carbonate — Nitrate
Chloride — Oxalate
Citrate — Salicylate
Fluoride — Stearate
Sulfate

MAYWOOD CHEMICAL WORKS

Maywood, New Jersey

Manufacturers Since 1896

LIQUID CAMPHOR see Oil, Camphor

LITHARGE see Lead Oxide, Yellow

LITHIUM (Metal)

Li. At. Wt. 6.94. Silvery-white metal. Uses—in metallurgy as degasifier, deoxidizer, desulfurizer, general purifying agent; organic syntheses; analytical reagent for nitrogen in rare gases.

City Chem Corp, 132 W 22 St, N Y 11
*Metalloy Corp, 2560 Rand Tower, Minneapolis, Minn
*Maywood Chem Works, Maywood, N J

LITHIUM ACETATE

$Li(C_2H_3O_2).2H_2O$. M.W. 102.0. Rhombic white crystals. M.P. 70°C. Sol. water. Used as a diuretic and antirheumatic.

Philipp Bauer Co, 2 W 47 St, N Y
*City Chem Corp, 132 W 22 St, N Y 11
Conray Products, 510 6 Ave, N Y 11
*Maywood Chem Works, Maywood, N J

LITHIUM ALUMINATE

$LiAlO_2$. M.W. 65.9. M.P. less than 1625°C.

*Metalloy Corp, 2560 Rand Tower, Minneapolis, Minn

LITHIUM ALUMINUM

LITHIUM ALUMINUM HYDRIDE

$LiAlH_4$. M.W. 37.94. White micro-crystalline lumps. Sol. ether. Uses—Strong reducing agent.

*Bios Labs, 17 W 60 St, N Y 23
*Metal Hydrides, 16 Congress St, Beverley, Mass

LITHIUM AMIDE

$LiNH_2$. M.W. 22.96. White crystalline lumps or powder. Insol. in ethyl ether, benzene, toluene. Uses—claisen condensations; alkalation of nitriles, ketones; synthesis of ethinyl compounds, acetylenic carbinols.

*Metalloy Corp, 2560 Rand Tower, Minneapolis, Minn

*Company classifies itself as manufacturer or producer of this product

LITHIUM METAL

APPLICATION

Metallurgy: As a degasifier, deoxidizer, desulfurizer and general purifying agent.

Organic Chemistry: Organic synthesis of the Grignard type, particularly where the magnesium Grignard reacts sluggishly or in poor yield. Also used for the preparation of organometallic compounds of other metals. Both alkyls and aryls are used.

FORMS Cup.....1/5 lb.....Shot.....4-8 mesh.....Extruded Rod..... ½" & ⅜" dia.....Wire.....⅛" dia.....Ribbon.....¼".....Cartridge (encased in copper tubing).....2.25, 4.50, 9.0 & 108.0 gram.

PACKING Metal drums under oil.

Write Dept. G for Data Sheets.

LITHIUM CORPORATION of America Inc.

METALLOY CORPORATION, Division
RAND TOWER • MINNEAPOLIS 2, MINNESOTA

LITHIUM

LITHIUM BENZOATE, N. F. Grade ● LITHIUM BORATE (Powdered), Technical Grade ● LITHIUM BROMIDE (Powdered), N. F. Grade and 53% Brine ● LITHIUM CARBONATE, Commercial & N. F. Grades ● LITHIUM CHLORIDE, Fused & 40% Brine ● LITHIUM CITRATE, N. F. Grade (Granular or Powdered) ● LITHIUM FLUORIDE (Fine white powder, purified) ● LITHIUM HYDROXIDE (Mono-hydrate 55% LIOH) ● LITHIUM NITRATE (A powdered technical and pure grade) ● LITHIUM STEARATE (A metal soap for use in grease and wax manufacture. Trade name LITHOLITE "A") ● LITHIUM SULPHATE, Technical Grade ● LITHIUM ORES (AMBLYGONITE, SPODUMENE & LEPIDOLITE)

Foote

FOOTE MINERAL COMPANY
409 EIGHTEEN WEST CHELTEN BLDG.
PHILADELPHIA 44, PENNA.

Metal Hydrides INCORPORATED

L-A-H*

***LITHIUM ALUMINUM HYDRIDE**

A unique, powerful and specific reducing agent which will instantly reduce carbonyl compounds, esters, acid chlorides and acid anhydrides to alcohols. Carbon to carbon double bonds are generally not affected.

Technical Data Available

METAL HYDRIDES INCORPORATED
CONGRESS STREET • BEVERLY, MASS.

LITHIUM AMIDE

APPLICATION

Organic Reactions: Numerous; examples: Claisen condensations. Alkylation of nitriles and ketones. Synthesis of ethinyl compounds. Synthesis of acetylenic carbinols.

FORM Crystalline.

PACKING Stable under normal storage conditions. Packed in conventional air-tight containers.

Write Dept. G for Data Sheets.

LITHIUM CORPORATION of America Inc.

METALLOY CORPORATION, Division
RAND TOWER • MINNEAPOLIS 2, MINNESOTA

LITHIUM BENZOATE

$LiC_7H_5O_2$. M.W. 128.05.

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Maywood Chem Works, Maywood, N J
McKesson & Robbins, 155 E 44 St, N Y 17
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
George Uhe Co, 76 9 Ave, N Y 14

LITHIUM BORATE

$Li_2B_4O_7 \cdot 5H_2O$. M.W. 259.2. A white powd. Sl. sol. water; insol. alcohol. Used as an antiseptic and in dental cements.

*Metalloy Corp, 2560 Rand Tower, Minneapolis, Minn

LITHIUM BROMIDE

LiBr. M.W. 86.86. White, hygroscopic, granular powd. Use—air conditioning.

*Dow Chem Co, Midland, Mich
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Maywood Chem Works, Maywood, N J
McKesson & Robbins, 155 E 44 St, N Y 17
*Metalloy Corp, 2560 Rand Tower, Minneapolis, Minn
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
George Uhe Co, 76 9 Ave, N Y 14

LITHIUM CARBONATE

Li_2CO_3. Light, white, alkaline powd. Sp. gr. 2.111. Sol. acids; sl. sol. water; insol. alcohol. Uses—mfr. mineral waters; in medicine. Grades—tech.; N.F.V.; C.P.

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Croton Chem Corp, 114 Liberty St, N Y 6
Frank G Fanning, 50 E 42 St, N Y 17
*Foote Mineral Co, Chelten Bldg, Phila, Pa
*Maywood Chem Works, Maywood, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17

LITHIUM

METAL HYDRIDE

SALTS

●

MAYWOOD
CHEMICAL WORKS

Maywood, New Jersey

Manufacturers Since 1896

*Company classifies itself as manufacturer or producer of this product

LITHIUM CARBONATE, continued

*Metalloy Corp, 2560 Rand Tower, Minneapolis, Minn
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
George Uhe Co, 76 9 Ave, N Y 14

LITHIUM CHLORIDE

LiCl. M.W. 42.4. White crystalline powd. Sp. gr. 2.068. M.P. 613°C. Sol. water, alcohol, ether. Uses—mfr. mineral waters, pharmaceutical preparations, pyrotechnics; as photographic reagent; soldering aluminum; in medicine. Grades—tech.; C.P.

*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Croton Chem Corp, 114 Liberty St, N Y 6
Delton Products Corp, 154 Nassau St, N Y 7
Frank G Fanning, 50 E 42 St, N Y 17
*Foote Mineral Co, Chelten Bldg, Phila, Pa
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Maywood Chem Works, Maywood, N J
McKesson & Robbins, 155 E 44 St, N Y 17
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
*Metalloy Corp, 2560 Rand Tower, Minneapolis, Minn
George Uhe Co, 76 9 Ave, N Y 14

LITHIUM CITRATE

$Li_3C_6H_5O_7.4H_2O$. Transparent, colorless granule or cryst. powd. Taste feebly alkaline; deliquescent on exposure to moist air. Sol. water; slightly sol. alcohol. Uses—mfr. mineral waters; in medicine. Grades—tech.; N.F.V.

American Roland Corp, 16 Hudson St, N Y
*Foote Mineral Co, Chelten Bldg, Phila, Pa
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Maywood Chem Works, Maywood, N J
McKesson & Robbins, 155 E 44 St, N Y 17
*New Jersey Zinc Sales Co, 160 Front St, N Y 38
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
George Uhe Co, 76 9 Ave, N Y 14

LITHIUM COBALTITE

$LiCoO_2$. M.W. 97.8. Blue-black powder. Insol. water. Uses—ceramics industry in ground coat enamels.

*Metalloy Corp, 2560 Rand Tower, Minneapolis, Minn

LITHIUM FLUORIDE

LiF. M.W. 25.94. Fluffy, white powder. Uses—mill addition in leadless pottery glazes; flux in glazes and glasses; flux in welding.

Amend Drug & Chem Corp, 117-119 E 24 St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Bendix Chem Corp, 420 Lexington Ave, N Y
Croton Chem Corp, 114 Liberty St, N Y 6
*Foote Mineral Co, Chelten Bldg, Phila, Pa
*Maywood Chem Works, Maywood, N J
McKesson & Robbins, 155 E 44 St, N Y 17
*Metalloy Corp, 2560 Rand Tower, Minneapolis, Minn

LITHIUM HYDRIDE

LiH. M.W. 7.95. White, translucent, crystalline mass; brittle. M.P. 680°C. Insol. ethyl ether, benzene, toluene. Uses—drying agent; hydrogen generation; condensing agent.

*Maywood Chem Works, Maywood, N J
*Metal Hydrides, 16 Congress St, Beverley, Mass
*Metalloy Corp, 2560 Rand Tower, Minneapolis, Minn

LITHIUM HYDROXIDE

$LiOH.H_2O$. M.W. 41.96.

Amend Drug & Chem Corp, 117-119 E 24 St, N Y
*Foote Mineral Co, Chelten Bldg, Phila, Pa
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Maywood Chem Works, Maywood, N J
McKesson & Robbins, 155 E 44 St, N Y 17
*Metalloy Corp, 2560 Rand Tower, Minneapolis, Minn

LITHIUM MANGANITE

Li_2MnO_3. M.W. 116.80. Reddish-brown powder. Insol. water. Uses—ceramics industry in ground coat enamels.

Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Metalloy Corp, 2560 Rand Tower, Minneapolis, Minn

LITHIUM NAPHTHENATE

M.W. about 240. 3% metal. Amber semi-solid. Sol. water, hydrocarbons. Uses—electrolysis catalyst, resin stabilizer.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
Mathe Chem Co, 169 Milbank St, Lodi, N J
*Maywood Chem Works, Maywood, N J
*Witco Chem Co, 295 Madison Ave, N Y 17

LITHIUM NITRATE

$LiNO_3$. M.W. 69.0. Colorless crystals. M.P. 253°C. Sol. water. Uses—mfr. ceramics; pyrotechnics for red flares; artificial mineral waters. Grades—C.P.; tech.

*J T Baker Chem Co, Phillipsburg, N J

LITHIUM CARBONATE

APPLICATION

Ceramics: Enamels, enamel colors, glass and glazes.

Chemical Manufacturing: In the manufacture of lithium salts, the base for manufacturing lithium acetate, bromide, chloride, citrate, phosphate, salicylate, etc. Also, a starting point for the manufacture of various other lithium salts used in the food and drug field.

PACKING Fiber drums—250, 100 and 25 lbs. net weight.

Write Dept. G for Data Sheets.

LITHIUM CORPORATION of America Inc — **METALLOY CORPORATION,** Division
RAND TOWER • MINNEAPOLIS 2, MINNESOTA

LITHIUM NITRATE, continued

Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Maywood Chem Works, Maywood, N J
*Metalloy Corp, 2560 Rand Tower, Minneapolis, Minn

LITHIUM OXALATE

$Li_2C_2O_4$. M.W. 102.0. Colorless crystals, sol. water. Uses as an anticoagulant in blood analysis.

Amend Drug & Chem Corp, 117-119 E 24 St, N Y
*Fine Organics, 211 E 19 St, N Y 3
*Maywood Chem Works, Maywood, N J
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

LITHIUM PERCHLORATE

$LiClO_4.3H_2O$. M.W. 160.45. Clear crystalline material. Uses—general lab. use. L. M.P. 95°C.; sol. water, alcohol.

*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

LITHIUM PERMANGANATE

$LiMnO_4.3H_2O$. M.W. 179.89. Very sol. water. Use—oxidizing agent.

*Carus Chem Co, Box 364, LaSalle, Ill

LITHIUM SALICYLATE

$LiC_7H_5O_3$. M.W. 144.02. White or grayish-white, odorl., sweetish powd. Deliq. in moist air. Uses—medicinal. Cont.—300 lb. barrels, 100 and 50 lb. kegs and 5 lb. cans.

American Roland Corp, 16 Hudson St, N Y
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Maywood Chem Works, Maywood, N J
McKesson & Robbins, 155 E 44 St, N Y 17
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
George Uhe Co, 76 9 Ave, N Y 14

LITHIUM CHLORIDE

APPLICATION

Chemical Manufacturing: Starting material for production of lithium metal through electrolysis of the fused chloride.

Heat Treating: Used for both salt bath and atmospheric, for lowering eutectic temperature.

Welding: Used in the manufacture of welding fluxes for aluminum and magnesium. Has marked affinity for the oxides of Aluminum and Magnesium, as well as considerable fluxing power.

Air Conditioning:—Normally used as 40% brine for dehumidification, absorbing moisture from the air.

Dry Cell Batteries: For lowering operating temperatures.

PACKING Technical powder: fiber drums—350, 100 and 25 lbs. net weight. Brine: steel drums—550 lbs. net weight.

Write Dept. G for Data Sheets.

LITHIUM CORPORATION of America Inc — **METALLOY CORPORATION,** Division
RAND TOWER • MINNEAPOLIS 2, MINNESOTA

LITHIUM HYDROXIDE

APPLICATION

Pharmaceutical And Chemical Manufacturing: A strong base, similar to sodium and potassium hydroxide. Used in preparation of other lithium salts where use of carbonate is not feasible. Used in the preparation of lithium soaps, greases and waxes. Stearate, palmitate and oleate soaps are the three principals incorporated into these new and improved greases.

PACKING Steel drums—375, 100 and 25 lbs. net weight. No shipping regulations.

Write Dept. G for Data Sheets.

LITHIUM CORPORATION of America Inc — **METALLOY CORPORATION,** Division
RAND TOWER • MINNEAPOLIS 2, MINNESOTA

*Company classifies itself as manufacturer or producer of this product

CONTINUOUS SUPPLIES

LITHOPONE
ZINC OXIDE
(ALL GRADES)

Titanium Dioxide
Rutile Anatase
Lead Oxide

A Decade of Service
To the Chemical Industry

THE LEGION CHEMICALS, INC.
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Established 153 Years
AMERICAN DYEWOOD COMPANY
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Wattle Bark
Sumac
Adcotan Extracts
Solid Wattle Extract
Solid Quebracho Extract
Spray Dried Tanning Extracts
Hematoxylin Technical

NEW YORK COLOR & CHEMICAL CO.
BELLEVILLE, NEW JERSEY
(Div. American Dyewood Co.)
Dyestuffs
Pigments
Sap Brown
Chemical Specialties
Synthetic Tanning Agents
Guanidine Hydrochloride

LITHIUM m-SILICATE

Li_2SiO_3. M.W. 89.94. White powder. M.P. 1201°C. Insol. water. Uses—as a flux in enamels and glazes; in welding as a flux for electrode coatings.

*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

LITHIUM STEARATE

A metal soap, insoluble in water. M.P. 217°C. Sp. gr. <1. pH 7 to 8. Iodine No. 2 to No. 3, saponification number 209-210, white and odorless. Uses—in grease manufacture, cosmetics and as an oil soluble emulsifying and dispersing agent.

Bendix Chem Corp, 420 Lexington Ave, N Y
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Foote Mineral Co, Chelten Bldg, Phila, Pa
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Mathe Chem Co, 169 Milbank St, Lodi, N J
*Maywood Chem Works, Maywood, N J
*Metasap Chem Co, Logan & Davis Sts, Harrison, N J
*M W Parsons-Plymouth, 59 Beekman St, N Y 38
*Warwick Chem Co Div, Wood River Junction, R I
*Witco Chem Co, 295 Madison Ave, N Y 17

LITHIUM SULFATE

$Li_2SO_4.H_2O$. M.W. 127.96.

*J T Baker Chem Co, Phillipsburg, N J
Delton Products Corp, 154 Nassau St, N Y 7
*Maywood Chem Works, Maywood, N J
McKesson & Robbins, 155 E 44 St, N Y 17
*Metalloy Corp, 2560 Rand Tower, Minneapolis, Minn

LITHIUM TARTRATE

$Li_2C_4H_4O_6.H_2O$. M.W. 180.1. A white crystalline powder. Sol. water or alcohol. Used as an anti-rheumatic.

LITHIUM TITANATE

Li_2TiO_3. M.W. 109.78. White, fluffy powder. Insol. water. Uses—flux in titanium-bearing enamels; mill addition in vitreous and semi-vitreous glazes.

*Metalloy Corp, 2560 Rand Tower, Minneapolis, Minn

LITHIUM ZIRCONATE

Li_2ZrO_3. M.W. 153.10. Creamy-white powdr. Insol. water. Uses—opacifier in cover coat enamels; flux in zirconium-opacified glasses, glazes and porcelains; opacifier in opaque glasses smelted at extreme temperature.

*Metalloy Corp, 2560 Rand Tower, Minneapolis, Minn

LITHIUM ZIRCONIUM SILICATE

*Metalloy Corp, 2560 Rand Tower, Minneapolis, Minn

LITHOPONE (Zinc Sulfide White, Sulfide White, Enamel White)

Mixture of $BaSO_4 + ZnS + ZnO$. White, crystalline mass or powd. Sp. gr. 4.30. Uses—mfr. flat and enamel wall paints, varnishes, marine paints, white leather, white printing ink, window shade cloth, face pwrs., cosmetics; as filler in textiles; pigment and filler in rubber compounding; pigment in linoleum and oilcloth. Grades—according to fineness and whiteness.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
J H Bauminger, 421 7 Ave, N Y
F M Browning Co, 150 Broadway, N Y 38
Chematar Inc, Exchange Pl, N Y 5
*Chem & Pigment Co, 6401 St Helena Ave, Baltimore 22, Md
Chem Mfg Co, 21 West St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
Continental Commodities Corp, 230 Park Ave, N Y 17
De Bear Inc, 636 11 Ave, N Y 19
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
Dyechem Products Corp, 60 Broad St, N Y 4
Eastern Color & Chem Co, 145 Nassau St, N Y 7
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Kingston Chem Co, 15 William St, N Y 5
Legion Chem, 70 Wall St, N Y 5
Mackim Products Co, 1775 Broadway, N Y 19
Mutchler Chem Co, 68 Broadway, N Y 7
C J Osborn Co, 132 Nassau St, N Y
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Shepard Chem Corp, 117 Liberty St, N Y 6
*Sherwin-Williams Co, 100 Park Ave, N Y 17
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Simmons Products Co, 15 Moore St, N Y
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
George Uhe Co, 76 9 Ave, N Y 14
Witco Chem Co, 295 Madison Ave, N Y 17

LIVER OF SULFUR (Potassa Sulphurated, so called "Potassium Sulphide")

Mixture of potassium sulfides and thiosulfate containing not less than 12.8% sulfide as S. Uses—medicine, producing color effects on brass, bronze, nickel, gun metal, etc.

L J & M La Place, Leliarts Lane, E Paterson, N J

LIVER ORE see Mercury Sulfide, Red

LOGWOOD (Haematoxylum)

Heartwood of Haematoxylum campechanum. Habitat—Central America, West Indies. Sp. gr. 0.91. Uses—tanning leather; dyeing textiles; coloring in part wine; in medicine. Grades—sticks; chips.

*American Dyewood Co, 285 Madison Ave, N Y
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

LOGWOOD EXTRACT

Concentrated logwood liq. Sp. gr. 1.25. Uses—tanning leather; dyeing textiles. Grades—51% liq.; solid.

*Academy Mfg Drug Corp, 544 E 171 St, N Y 57
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20

LOGWOOD EXTRACT, continued

*American Dyewood Co, 285 Madison Ave, N Y
*Bernard Color & Chem Corp, 335 Hudson St, N Y
Hal Delphin & Co, 880 Bergen Ave, Jersey City 6, N J
Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Metalloy Corp, 2560 Rand Tower, Minneapolis, Minn
Siegel Chem Co, 1 Hanson PL Bklyn 17, N Y

LUBRICANTS

*U B Bray Co, 3344 Medford St, Los Angeles, Cal
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Corning Corp, Midland, Mich
*Franklin Oil & Gas Co, Bedford, Ohio
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Humble Oil & Refining Co, P O Box 2180, Houston 1, Tex
*E H Kellogg & Co, 93 Water St, N Y 5
*Kendall Refining Co, 77 N Kendall Ave, Bradford, Pa
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Keystone Lubricating Co, 21, Clearfield & Lippincott Sts, Phila 32, Pa
*Murphy's Oil Soap Co, 9505 Cassius Ave, Cleveland, Ohio
*N Y & N J Lubricant Co, 292 Madison Ave, N Y 17
*Pennsylvania Refining Co, Butler, Pa
Petroleum Specialties, 205 E 42 St, N Y 17
*Standard Oil Co, 910 S Mich Ave, Chicago 80, Ill
*Union Oil Co of Cal, 617 W 7 St, Los Angeles 17, Cal

LUBRICANTS, CERAMIC MOLD

*Atlantic Refining Co, 260 S Broad St, Phila, Pa
*Crystal Soap & Chem Co, 6308 State Rd, Phila 35, Pa
*Franklin Oil & Gas Co, Bedford, Ohio

LUBRICANTS, CUTTING

Proprietary preparations used to cool high speed tools, in automatic pipe-threading machines, etc. See also Oils, Cutting (Soluble); Cutting Compounds: Oils, Cutting (Semi-Soluble).

DoAll Co, Des Plaines, Ill
*Fiske Bros Refining Co, 129 Lockwood St, Newark, N J
*Franklin Oil & Gas Co, Bedford, Ohio
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Kall Mfg Co, 427 Moyer St, Phila, 25, Pa
*Macco Products Co, 525 W 76 St, Chicago, Ill
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Pelron Corp, 7740 W 47 St, Lyons, Ill
*Pennsylvania Refining Co, 2686 Lisbon Rd, Cleveland, Ohio
Petroleum Specialties, 205 E 42 St, N Y 17
*George Pfau Sons Co, Jeffersonville, Ind
*Reilly-Whiteman-Walton Co, P O Box 188, Conshohocken, Pa
*White & Bagley Co, P O Box 1171, Worcester, Mass

LUBRICANTS, EXTREME PRESSURE

Used as the lubricating medium in free-wheeling, synchromesh and hypoid worm gears in the automotive field.

*Atlantic Refining Co, 260 S Broad St, Phila, Pa
*Franklin Oil & Gas Co, Bedford, Ohio
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Humble Oil & Refining Co, P O Box 2180, Houston 1, Tex
*Ironsides Co, Box 1999, Columbus, Ohio
*Kendall Refining Co, 77 N Kendall Ave, Bradford, Pa
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*Oil-Kraft, 3330 Beekman St, Cincinnati 23, Ohio
*Pelron Corp, 7740 W 47 St, Lyons, Ill
Penola Oil Co, 3780 Penobscot Bldg, Detroit 26, Mich
*Riley Bros, 209 N Main St, Burlington, Iowa
*White & Bagley Co, P O Box 1171, Worcester, Mass

*Company classifies itself as manufacturer or producer of this product

mold lubricants

RUBBER-GLO

The C. P. Hall *Co.*

CHEMICAL MANUFACTURERS

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HIGH QUALITY

HEAVY

CALCINED

MAGNESITE

GOLWYNNE

CHEMICALS CORPORATION

420 LEXINGTON AVE., NEW YORK 17, N. Y.

LUBRICANTS, GEAR

Preparations used on gears and pinions forming a cushion which silences, reduces friction to a minimum, and protects against dust, dirt and other foreign matter.

*Atlantic Refining Co, 260 S Broad St, Phila, Pa
*Berry Asphalt Co, Magnolia, Ark
*Deep Rock Oil Corp, 624 S Mich, Chicago 5, Ill
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Humble Oil & Refining Co, P O Box 2180, Houston 1, Tex
*Ironsides Co, Box 1999, Columbus, Ohio
*Kendall Refining Co, 77 N Kendall Ave, Bradford, Pa
*Keystone Lubricating Co, 21, Clearfield & Lippincott Sts, Phila 32, Pa
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*N Y & N J Lubricant Co, 292 Madison Ave, N Y 17
*Oil-Kraft 3330 Beekman St, Cincinnati 23, Ohio
Petroleum Specialties, 205 E 42 St, N Y 17
*Riley Bros, 209 N Main St, Burlington, Iowa
*White & Bagley Co, P O Box 1171, Worcester, Mass

LUBRICANTS, GRAPHITE

Graphite suspended in oil by means of a stabilizing agent.

*Acheson Colloids Corp, 1635 Washington Ave, Port Huron, Mich
*American Grease Stick Co, Muskegon, Mich
*Atlantic Refining Co, 260 S Broad St, Phila, Pa
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Ironsides Co, Box 1999, Columbus, Ohio
*Riley Bros, 209 N Main St, Burlington, Iowa
Smith Chem & Color Co, 89 John St, Bklyn 1, N Y
*Van Cleef Bros, 7800 Woodlawn Ave, Chicago 19, Ill

LUBRICANTS, GRINDING

Used in grinding operations to aid in prolonging the life of grinding wheels, increase speed of cutting, and impart a fine finish to the work.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
DoAll Co, Des Plaines, Ill
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Jordan Co, 51 St & Merrimac Ave, Chicago 38, Ill
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Pelron Corp, 7740 W 47 St, Lyons, Ill
*Reilly-Whiteman-Walton Co, P O Box 188, Conshohocken, Pa
*G Whitfield Richards, 1732 Carlton St, Phila 3, Pa
*White & Bagley Co, P O Box 1171, Worcester, Mass

LUBRICANTS, MOLD

*Acheson Colloids Corp, 1635 Washington Ave, Port Huron, Mich
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*Armour & Co, 1355 W 31 Ave, Chicago 9, Ill
*Atlantic Refining Co, 260 S Broad St, Phila, Pa
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Corning Corp, Midland, Mich
*E F Drew & Co, 15 E 26 St, N Y 10
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Marco Chem, Sewaren, N J
*Ohio-Apex, Nitro, W Va
Ross & Rowe, 50 Broadway, N Y 4
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

LUBRICANTS, PLASTIC MOLD

Special lubricating mediums used on the steel molds or dies used in the plastics field to facilitate the removal of the finished product without injury.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Concord Chem Co, Moorestown, N J
*Dow Corning Corp, Midland, Mich
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Mathe Chem Co, 169 Milbank St, Lodi, N J
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

LUBRICANTS, RUBBER

*Acheson Colloids Corp, 1635 Washington Ave, Port Huron, Mich
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*American Grease Stick Co, Muskegon, Mich
Frank J Breen, 5340 S Maryland Ave, Chicago, Ill
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Du Bois Co, 1120 W Front St, Cincinnati 3, Ohio
*Dow Corning Corp, Midland, Mich
*Essential Chem Co, 2200 N 32 St, Milwaukee, Wis
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Murphy's Oil Soap Co, 9505 Cassius Ave, Cleveland, Ohio
*Park Chem Co, 8074 Military Ave, Detroit, Mich
*Phoenix Oil Co, 9505 Cassius Ave, Cleveland, Ohio
*Reilly-Whiteman-Walton Co, P O Box 188, Conshohocken, Pa
R T Vanderbilt Co, 230 Park Ave, N Y

LUBRICANTS, RUBBER MOLD

Compounds prepared to effect the easy removal of rubber articles from molds.

*Acheson Colloids Corp, 1635 Washington Ave, Port Huron, Mich
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Crystal Soap & Chem Co, 6308 State Rd, Phila 35, Pa
*Dow Corning Corp, Midland, Mich
*Gen Elec, Pittsfield, Mass
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Huntington Labs, Huntington, Ind
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Reilly-Whiteman-Walton Co, P O Box 188, Conshohocken, Pa
*R T Vanderbilt Co, 230 Park Ave, N Y
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

LUCIDOL see Benzoyl Peroxide

LUGOL SOLUTION see Potassium Iodide

LUNAR CAUSTIC see Silver Nitrate

LUNAR CORNEA see Silver Chloride

2,4-LUTIDINE (2,4-Dimethylpyridine)

C_7H_9N. M.W. 107.15. Sp. gr. 0.929 at 25°/4°C. Refractive Inddex 1.4981 at 25°C. B.P. 158.3°C. Uses—synthesis of dyes, pharmaceuticals or other organic chemicals as a reactant or purifying agent.

*Barrett Div, 40 Rector St, N Y 6
*Bios Labs, 17 W 60 St, N Y 23
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind

2,6-LUTIDINE (Dimethyl Pyridine)

$C_5H_3N(CH_3)_2$. M.W. 107. Sol. water, most common organic solvents. Uses—pharmaceuticals, resins, dyestuffs, rubber accelerators, insecticides.

*Bios Labs, 17 W 60 St, N Y 23
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind

LYCOPODIUM

Vegetable sulfur. A dry, light yellow powder consisting of the inflammable spores of Lycopodium clavatum, a club-moss. Uses—dusting powder, for coating pills, in brass foundries.

Wm E Martin Co, 205 W 34 St, N Y 1
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

LYE see Soda, Caustic

LYSINE

$H_2N(CH_2)_4CH(NH_2)COOH$. M.W. 146.2. An amino acid present in certain protein foods required in human nutrition for growth and maintainance of health, weight, and nitrogen balance.

*American Quinine Co, 15 William St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Dow Chem Co, Midland, Mich
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

MAGISTERY OF BISMUTH see Bismuth Subnitrate

MAGNESIA see Magnesium Oxide

MAGNESIA ALBA see Magnesium Carbonate

MAGNESIA ALBA LEVIS see Magnesium Carbonate

MAGNESIA USTA see Magnesium Oxide

MAGNESITE (Magnesium Carbonate)

$MgCO_3$. Natural, solid crystalline. Sp. gr. 3.02. Sol. hot hydrochloric acid. Uses—mfr. magnesia cements, refractive firebrick and furnace linings, Sorrel cement, magnesium salts, ferro-magnesium, epsom salts, metallic

*Company classifies itself as manufacturer or producer of this product

MAGNESITE

Calcined or Crude

Domestic and Imported

All Types Can Be Furnished

Unground and Ground

To Meet Exacting

Specifications

GENERAL

MAGNESITE & MAGNESIA CO.

P. O. Box 671

NORRISTOWN, PA.

MAGNESIA

Magnesium Carbonate

Technical and U.S.P. Grades

•

Magnesium Oxide

Technical and U.S.P. Grades

Extra Light

The Original Neoprene Type

Light—Medium—Heavy

•

GENERAL

MAGNESITE & MAGNESIA CO.

P. O. Box 671

NORRISTOWN, PA.

Carey

Carbonate of Magnesia
Oxide of Magnesia

U. S. P. AND TECHNICAL GRADES

ADDRESS DEP'T C1-9

THE PHILIP CAREY MFG. CO.

Lockland, Cincinnati 15, Ohio

IN CANADA: The Philip Carey Co., Ltd. 277 Duke St., Montreal 3, P. Q.

MAGNESITE, continued

magnesium, carbon dioxide gas, refractory crucibles, plaster tiles, artificial stones lining metallurgical furnaces and cement kilns; in place of dolomite in steel making; whitening calcined; dead burned; periclase.

Alfred D Brown Associates, 59 Pearl St, N Y 4
Harry H Davidson, 17 State St, N Y 4
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Industrial Mining & Trading Co, Box 807, Waynesville, N C
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Speiden-Whitfield Co, 154 Nassau St, N Y 38
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Witco Chem Co, 295 Madison Ave, N Y 17

MAGNESIUM (Metal)

Mg. Silvery,, malleable metal, moderately hard fibre. Burns with an intense white heat. Sp. gr. 1.69-1.75. M.P. 650°C. B.P. 1110°C. Sol. acids; insol. water. Uses—mfr. flashlight pwrs., ribbon flash sheets, pyrotechnics, magnesium salts, hydrogen, ceramics, organic chemicals, optical mirrors, intermediate chemicals, dyes, printing plates, precision and scientific instruments, automobile and airplane parts, electric batteries; as zinc substitute; desulfurizer; in refining nickel alloys; dioxidizing brass and bronze alloys. Grades—powd.; sticks; wire; ribbon.

American Smelting & Refining Co, 120 Broadway, N Y 5
J T Baker Chem Co, Phillipsburg, N J
Conray Products, 510 6 Ave, N Y 11
Dalton-Cooper, 200 W 34 St, N Y
*Dow Chem Co, Midland, Mich
*Golwynne Chem Corp, 420 Lexington Ave, N Y 17

MAGNESIUM ACETATE

$Mg(C_2H_3O_2)_2 \cdot 4H_2O$. Colorless, deliq. cryst. Sp. gr. 1.45. Sol. water, alcohol. Uses—as disinfectant and deodorant; reserve in dyeing and printing textiles; in medicine.

*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6

MAGNESIUM ALUMINUM SILICATE

L A Salomon & Bro, 216 Pearl St, N Y 38
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*R T Vanderbilt Co, 230 Park Ave, N Y

MAGNESIUM AMMONIUM PHOSPHATE (Magnesium Ammonium Ortho Phosphate)

$MgNH_4PO_4 \cdot 6H_2O$. White powd. insol. water, sol. acids. Decomposes on heating. Uses—fire retardant for theatre scenery and curtains. Grades—tech.

*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo

MAGNESIUM AMMONIUM o-PHOSPHATE

see Magnesium Ammonium Phosphate

MAGNESIUM BENZOATE

$Mg(C_7H_5O_2)_2 \cdot 3H_2O$. M.W. 320.09. White powder. Loses $3H_2O$ 110°C. Sol. water.

*Seydel Chem Co, 225 Mercer St, Jersey City 2, N Y

MAGNESIUM BROMIDE

$MgBr_2 \cdot 6H_2O$. M.W. 292.2. Colorless, very deliquescent crystals having a bitter taste. Sol. in water, slightly in alcohol. M.P. decomposes. Uses—mfr. various organic compounds; in medicine.

Philipp Bauer Co, 2 W 47 St, N Y
*Dow Chem Co, Midland, Mich
Wm S Gray Co, Midland, Mich
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Philip A Lo Bue Co, 230 Park Ave, N Y 17
McKessen & Robbins, 155 E 44 St, N Y 17
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

MAGNESIUM CACODYLATE

$Mg(AsMe_2O_2)_2$. M.W. 334.26. A white powder. Sol. water. Use—instead of alkali arsenates in cases where cacodylates are preferred.

Conray Products, 510 6 Ave, N Y 11
*Lamex Chem Corp, 25 Broadway, N Y 4

MAGNESIUM CALCIUM CHLORIDE

see Calcium Magnesium Chloride

MAGNESIUM CARBONATE (Magnesia Alba, Magnesite, Magnesia Alba Levis)

$MgCO_3$. M.W. 84.32. White, crystalline powd. Sp. gr. 3.04. Decomposes at 350°C. Sol. dilute acids. Uses—mfr. magnesium salts, magnesia, carbon dioxide, fire-resistant paints, dry colors, printing ink, ceramics, glass, cosmetics, varnishes, tooth pastes, face pwrs., refractories, polishing and fire-proofing compositions, boiler scale compounds, acid-neutralizing fertilizers, mineral waters; in free-running table salts; heat insulating; electric furnace construction; as filler, paint pigment, paper, linoleum and oilcloth; pigment in rubber compounding; general filtering medium; in medicine. Grades—tech.; U.S.P., precipitated.

American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Chem Mfg Co, 21 West St, N Y
John A Chew, 60 E 42 St, N Y 17
Harry Cohen, 982 Virginia Ave N E, Atlanta 6, Ga
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Wm D Egleston Co, 249 5 St, Cambridge 42, Mass
Failek Products Co, 163 Broadway, N Y 6
Frank G Fanning, 50 E 42 St, N Y 17
*General Magnesite & Magnesia Co, Plymouth Meeting, Pa
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Howe & French, Mfg Dept, E Weymouth, Mass
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Innis, Speiden & Co, 117 Liberty St, N Y 6
Kingston Chem Co, 15 William St, N Y 5
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
Mutchler Chem Co, 258 Broadway, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
M W Parsons-Plymouth, 59 Beekman St, N Y 38
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38

*Company classifies itself as manufacturer or producer of this product

MAGNESIUM CARBONATE, continued

L A Salomon & Bro, 216 Pearl St, N Y 38
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Speiden-Whitfield Co, 154 Nassau St, N Y 38
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
George Uhe Co, 76 9 Ave, N Y 14
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
Witco Chem Co, 295 Madison Ave, N Y 17

MAGNESIUM CARBONATE see Magnesite

MAGNESIUM CHLORIDE

a. $MgCl_2$. b. $MgCl_2 6H_2O$. Colorless or white, deliq. cryst. Sp. gr. a. 2.325. b. 1.569. M.P. a. 712°C. b. Loses water at 118°C. B.P. a. At red heat. b. Decomposes. Sol. water, alcohol. Uses—mfr. ceramics, magnesia cements, lignolite, xylonite, hydrochloric acid, magnesium salts, magnesia, artificial flooring and fire extinguishing compositions, stucco, paper, beer, refrigerating brines; as thread lubricant; textile size; oxidizing catalyst; chilling drilling tools; dressing and filling cottons and woolens; dyeing textiles; carbonizing wool; fireproofing wood; treating mine timbers and railroad ties.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
Chem Mfg Co, 21 West St, N Y
John A Chew, 60 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Lamex Chem Corp, 25 Broadway, N Y 4
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Republic Chem Corp, 94 Beekman St, N Y 38
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Speiden-Whitfield Co, 154 Nassau St, N Y 38
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

MAGNESIUM CHROMATE

$MgCrO_4 7H_2O$. M.W. 266.44. Yellow, rhombic crystals. Sp. gr. 1.695. Loses $3H_2O$ at 120°C. Sol. water.

Amend Drug & Chem Corp, 117-119 E 24 St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*City Chem Corp, 132 W 22 St, N Y 11

MAGNESIUM DIOXIDE see Magnesium Peroxide

MAGNESIUM FLUORIDE

MgF_2. M.W. 63.32. White, crystalline powd. Sp. gr. 3.0. M.P. 1396°C. Sol. nitric acid; insol. water. Uses—mfr. glass; as flux in ceramics. Grades—tech.; C.P.

American Firstoline Corp, 420 Lexington Ave, N Y
*Baker & Adamson Products, 40 Rector St, N Y
*City Chem Corp, 132 W 22 St, N Y 11
Gen Biochem, 7 Laboratory Park, Chagin Falls, Ohio
Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Henry Sundheimer Co, 103 Park Ave, N Y 17

MAGNESIUM FLUOSILICATE see Magnesium Silicofluoride

MAGNESIUM GLUCONATE

$Mg(C_6H_{11}O_7)_2 2H_2O$. Odorless, practically tasteless white powder. Sol. water. Uses—medicinal.

Conray Products, 510 6 Ave, N Y 11
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y

MAGNESIUM GLYCEROPHOSPHATE

$MgPO_4C_3H_5(OH)_2$. M.W. 194.43. White, odorl. powd. Sol. water, insol. alcohol. Uses—medicine.

Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

MAGNESIUM GUAIACOL SULFONATE

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

MAGNESIUM HYDRATE see Magnesium Hydroxide

MAGNESIUM HYDROXIDE (Magnesium Hydrate, Brucite)

$Mg(OH)_2$. White powd. or cryst. Sp. gr. 2.36. Decomposes on heating. Sol. solutions of ammonium salts; slightly sol. water. Uses—mfr. magnesium oxide, Sorrel cement; sugar refining; in medicine. Grades—tech.; medicinal.

American Firstoline Corp, 420 Lexington Ave, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Harry Holland & Son, 95 Clinton St, Chicago 6, Ill
Legion Export & Import Co, 261 W 15 St, N Y 11
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Warner Co, 219 N Broad St, Phila 7, Pa
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

MAGNESIUM HYPOPHOSPHITE

$Mg(H_2PO_2)_2 6H_2O$. M.W. 262.5. Colorless crystals. Sol. water. Used as a tonic.

*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

MAGNESIUM LACTATE

$Mg(C_3H_5O_3)_2 3H_2O$. White crystals, bitter taste. Uses—medicinal.

*American Quinine Co, 15 William St, N Y 5
*Kingston Chem Co, 15 William St, N Y 5

MAGNESIUM LIGNOSULFONATE

Structure undetermined. Tan-colored powder. Uses—tanning agent, vat dyeing.

*Marathon Corp, Rothschild, Wis

MAGNESIUM NAPHTHENATE

M.W. about 470. 5% metal. Amber solid; swells in hydrocarbons. Uses—pigment bender and waterproofer; lube oil additive.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
Mathe Chem Co, 169 Milbank St, Lodi, N J
Chas Page & Co, 50 E 42 St, N Y 17
*Witco Chem Co, 295 Madison Ave, N Y 17

MAGNESIUM NITRATE

$Mg(NO_3)_2 6H_2O$. M.W. 256.43. Clear, colorless, deliq. cryst. Sp. gr. 1.464. M.P. 95°C. Sol. water, alcohol. Uses—mfr. pyrotechnic compositions. Grades—tech.; C.P.

*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38

MAGNESIUM OLEATE

$Mg(C_{18}H_{33}O_2)_2$. M.W. 586.83. Yellowish, oily mass. Sol. alcohol, ether, oils; insol. water. Uses—as varnish drier; preventing spontaneous ignition of benzine in cleaning plants.

*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Witco Chem Co, 295 Madison Ave, N Y 17

MAGNESIUM OXALATE

$Mg(OOC)_2 2H_2O$. M.W. 148.4. Colorless crystals. Sol. water; insol. alcohol. Used in organic synthesis.

Amend Drug & Chem Corp, 117-119 E 24 St, N Y

MAGNESIUM OXIDE (Magnesia, Periclasite, Ponderous Magnesia, Calcined Magnesia, Magnesia Usta)

MgO. M.W. 40.32. White powd. Sp. gr. 3.65. M.P. 2800°C. Sol. acids, ammonia salts. Uses—mfr. ceramics, magnesia cements, Sorrel cement, refractories, crucibles, powdered oils, furnace linings, open hearth steel furnaces, pipe coverings, paper, heat insulating compositions and preparations, fire-proofing compositions, face pwrs., toilet preparations, mineral waters, paints, varnishes, fertilizers; in platinum substitutes; copper smelting; dry cleaning fabrics; as rubber filler; fat splitting agent; in medicine; polishing medium. Grades—U.S.P.; C.P.; tech.; light; heavy.

American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*Philip Carey Mfg Co, 408 Commercial Sq, Cincinnati, Ohio

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MAGNESIUM OXIDE, continued

Cole Labs, 42-25 9 St, L I C 1, N Y
Conray Products, 510 6 Ave, N Y 11
Harry H Davidson, 17 State St, N Y 4
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*Dow Chem Co, Midland, Mich
Wm D Egleston Co, 249 5 St, Cambridge 42, Mass
Failek Products Co, 163 Broadway, N Y 6
*Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Wm S Gray & Co, 342 Madison Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Harry Holland & Son, 95 Clinton St, Chicago 6, Ill
Innis, Speiden & Co, 117 Liberty St, N Y 6
Kingston Chem Co, 15 William St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Speiden-Whitfield Co, 154 Nassau St, N Y 38
George Uhe Co, 76 9 Ave, N Y 14
*Warner Co, 219 N Broad St, Phila 7, Pa
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
Witco Chem Co, 295 Madison Ave, N Y 17

MAGNESIUM PERCHLORATE

$Mg(ClO_4)_2$. M.W. 223.23. Anhydrous white crystalline material. Uses—dehydrating agent. L. Sol. water.

City Chem Corp, 132 W 22 St, N Y 11
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

MAGNESIUM PERHYDROL see Magnesium Peroxide

MAGNESIUM PERMANGANATE

$Mg(MnO_4)_2.6H_2O$. M.W. 370.3. A granular dark blue mass which is soluble in water. Uses—antiseptic; syntheses.

*Carus Chem Co, Box 364, La Salle, Ill

MAGNESIUM PEROXIDE (Magnesium Perhydrol, Magnesium Dioxide, Magnesium Superoxide)

MgO_2. White powd. Decomposes on heating. Sol. acids; almost insol. water. Uses—general bleaching and oxidizing agent; bleaching woolens and silks; in medicine. Grades—tech.

Becco Sales Corp, Station B, Buffalo 7, N Y
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38

MAGNESIUM PHOSPHATE (Tri Magnesium Phosphate, Neutral Magnesium Phosphate)

$Mg_3(PO_4)_2.4H_2O$. M.W. 335.06. Colorless monoclinic cryst. powd. Insol. water. Uses—largely pharmaceutical as an anti-acid. Grades—tech.

*J T Baker Chem Co, Phillipsburg, N J
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

MAGNESIUM POWDER

In finely divided form can be ignited and burns with an intense white light. Sol—acids; Insol—water. Uses—Pyrotechnics; photographic flash light powder, metallurgy; intense signal light; in organic synthesis; Grignard Reagent.

Barclay Chem Co, 75 Varick St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
*Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Hummel Chem Co, 90 West St, N Y 6
*Magna Mfg Co, Haskell, N J
*Metals Disintegrating Co, P O Box 290, Elizabeth, N J
*Reade Mfg Co, 135 Hoboken Ave, Jersey City 2, N J

MAGNESIUM RESINATE

Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
*Witco Chem Co, 295 Madison Ave, N Y 17

*Company classifies itself as manufacturer or producer of this product

MAGNESIUM SALICYLATE

$Mg(C_7H_5O_3)_2.4H_2O$. M.W. 370.53. Colorl. or slightly reddish, effluores., cryst. powd. Sol. water, alcohol. Uses—medicine.

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

MAGNESIUM SILICATE (Talcum)

$MgSiO_4$. Fine white powd. Insol. Uses—mfr. ceramics, glass refractories; as bleaching agent for oils; filler in paints, varnishes, lacquers and rubber; in medicine. Grades—tech.; C.P.

Charles B Chrystal Co, 53 Park Pl, N Y 7
*Commercial Minerals Co, 310 Irwin St, San Francisco 7, Cal
*Eastern Magnesia Talc Co, 206 Bank St, Burlington, Vt
Johns-Manville Sales Corp, 22 E 40 St, N Y 16
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
L A Salomon & Bro, 216 Pearl St, N Y 38
*Southern California Minerals Co, 320 S Mission Rd, Los Angeles 33, Cal
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

MAGNESIUM SILICOFLUORIDE (Magnesium Fluosilicate)

$MgSiF_6$. M.W. 166.38. White crystalline powder. Sol. in water. Uses—mfr. ceramics; hardening and waterproofing concretes. Grades—tech.; cryst., 30% solution.

*American Agricultural Chem Co, 50 Church St, N Y 7
American Firstoline Corp, 420 Lexington Ave, N Y
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Henry Sundheimer Co, 103 Park Ave, N Y 17
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill

MAGNESIUM STEARATE (Dolomol)

$Mg(C_{18}H_{35}O_2)_2$. Soft, white, light powd. Sol. hot alcohol; insol. water. Uses—mfr. stearic acid; drier in paints and varnishes; in medicine. Grades—tech.

American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Hyde & Bates, 17 John St, N Y 38
Innis, Speiden & Co, 117 Liberty St, N Y 6
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
L J & M La Place, Leliarts Lane, E Paterson, N J
*Lefingwell Chem Co, P O Box 191, Whittier, Cal
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Mathe Chem Co, 169 Milbank St, Lodi, N J
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
*Metasap Chem Co, Logan & Davis Sts, Harrison, N J
Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*M W Parsons-Plymouth, 59 Beekman St, N Y 38
Philipp Bros Chem, 37 Wall St, N Y
Prior Chem Corp, 420 Lexington Ave, N Y 17
Walter A Reinicke, 549 W Washington Blvd, Chicago 6, Ill
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
George F Smith, 60 E 42 St, N Y 17
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Jos Turner & Co, Ridgefield, N J
*Warwick Chem Co Div, Wood River Junction, R I
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*Witco Chem Co, 295 Madison Ave, N Y 17

MAGNESIUM SULFATE (Epsom Salts, Kieserite, Sal Catharticum, Bitter Salts)

$MgSO_4 + 7H_2O$. M.W. 246.49. Colorless crystalline needles or dry powd. Sp. gr. 1.68. Decomposes on heating. Sol. water, alcohol. Uses—mfr. motion picture snow, dry colors, printing inks, cosmetic lotions, frosted papers, mineral water, ceramics, matches, explosive compositions; as mordant assist in dyeing and printing tex-

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tiles; in fertilizers; fireproofing and waterproofing fabrics; sizing paper; warp sizing and weighting cottons; loading silks; standardizing dyes; tanning leather; in medicine. Grades—tech.; C.P.; U.S.P.; crystal; granulated; dried.

Adams-Henry Chem Co, 32 Broadway, N Y 4
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*American Quinine Co, 15 William St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
F M Browning Co, 150 Broadway, N Y 38
Commercial Chem, 614 Ellicott Sta, Buffalo 3, N Y
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
European Chem Co, 366 Broadway, N Y 13
Faesy & Besthoff, 325 Spring St, N Y 13
Frank G Fanning, 80 E 42 St, N Y 17
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa

MAGNESIUM SULFATE, continued

*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Innis, Speiden & Co, 117 Liberty St, N Y 6
Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Leliarts Lane, E Paterson, N J
Legion Chem, 70 Wall St, N Y 5
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
George Mann & Co, 251 Fox Point Blvd, Providence, R I
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*Phila Quartz Co of Cal, 6 & Grayson Sts, Berkeley 10, Cal
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

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Hydrofluosilicic Acid, Sulphuric Acid, Magnesium Casting Compound 23-A, Granulated Superphosphates, Fertilizers, Silica Gel, PROTEK-SORB* silica gel, Alum, Catalysts.

★

See Davison's advertisements on these products in other sections of this book.

*Reg. U. S. Pat. Off.

THE DAVISON CHEMICAL CORPORATION
BALTIMORE-3 • MARYLAND

*Company classifies itself as manufacturer or producer of this product

MONSANTO
MALEIC ANHYDRIDE

Specifications: Briquettes or fused form; crystallizing point 52° C. min.; water solution (4 grams in 10 ml.), clear and colorless; glyceromaleate resin, clear with slight amber color; iron 0.0005% max.

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division
St. Louis 4, Mo.

SERVING INDUSTRY . . . WHICH SERVES MANKIND

MONSANTO
CHEMICALS – PLASTICS

MAGNESIUM SULFATE, continued

Irving M Sobin Co, 74 Granite St, Boston 10, Mass
Spelden-Whitfield Co, 154 Nassau St, N Y 38
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Wollen Chem & Supply Co, 126 6 Ave, Paterson, N J

MAGNESIUM SUPEROXIDE see Magnesium Peroxide

MAGNESIUM THIOSULFATE

$MgS_2O_3 6H_2O$. M.W. 244.53. White rhombic crystals. Use—medicinal.

*Lamex Chem Corp, 25 Broadway, N Y 4

MAGNESIUM TRISILICATE

An extremely fine, soft, powder. Uses—mfr. pharmaceutical tablets for antacid and adsorbent usage.

*J T Baker Chem Co, Phillipsburg, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

MAGNETIC IRON OXIDE see Iron Oxide

MALACHITE (Artificial) see Copper Carbonate

MALAYAN CAMPHOR see Borneol

MALEIC ANHYDRIDE (Toxilic Anhydride)

$C_4H_2O_3$. M.W. 98. Small white needle cryst. or fused material. M.P. 57°C. Sol. benzine hydrocarbons, acetone, ethyl ether, chloroform. Uses—mfr. synthetic resins, dye intermediates.

Barclay Chem Co, 75 Varick St, N Y
J H Bauminger, 421 7 Ave, N Y
Bergstrom Trading Co, 233 Broadway, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Chem Service Corp, 82 Beaver St, N Y 5
De Bear Inc, 636 11 Ave, N Y 19
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio

MALEIC ANHYDRIDE, continued

Legion Chem, 70 Wall St, N Y 5
Mackim Products Co, 1775 Broadway, N Y 19
*National Aniline Div, 40 Rector St, N Y 6
*Philipp Bros Chem, 37 Wall St, N Y
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow, 25 E 26 St, N Y 10

MALEICS, MODIFIED RESINS

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*American Cyanamid Co, Plastics & Resins Div, 30 Rockefeller Plaza, N Y 20
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
*Crosby Chem, Drawer 32, De Ridder, La
*Wallace A Erickson & Co, 842 N Wells St, Chicago 14, Ill
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*C J Osborn Co, 132 Nassau St, N Y
*Sherwin-Williams Co, 100 Park Ave, N Y 17

MALONIC METHYL ESTER NITRILE see Methyl Cyano Acetate

MALONIC MONONITRILE see Acid, Cyanoacetic

MALONONITRILE (Methylene Dicyanide)

$CH_2(CN)_2$. M.W. 66.06. Colorless crystals. Use—medicinal.

*Bios Labs, 17 W 60 St, N Y 23
*Fisher Chem Co, 60 E 42 St, N Y 17
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
*Schwarz Labs, 202 E 44 St, N Y 17
*Winthrop-Stearns, 1450 Broadway, N Y 18

MALONYL UREA see Acid, Barbituric

MALTOSE (Maltsugar, Glucose-a-Glucoside)

$C_{12}H_{22}O_{11}.H_2O$. M.W. 360.2. A dextro disaccharide obtained from malt and starch. Colorless crystals. Sol. water or alcohol. Used in bacteriol, nutrient and as a sweetening agent, and is fermentable, being an intermediate formed in brewing, distilling and vinegar mfr.

A DEPENDABLE SOURCE OF SUPPLY

MAGNESIUM TRISILICATE
U. S. P.

Aceto CHEMICAL COMPANY INC.
82 BEAVER ST., Digby 4-9760. New York 5, N.Y.

MALTOSE, continued

*Bios Labs, 17 W 60 St, N Y 23
*Pfanstiehl Chem Co, 104 Lakeview Ave, Waukegan, Ill

MENADIONE see Vitamin K

MANDIOC see Tapioca Flour

MANGANESE (Metal)

Mn. Steel gray hard brittle lumps. Sp. gr. 7.20. M.P. 1260°C. B.P. 1900°C. Sol. dilute acids. Uses—mfr. manganese steel; in various alloys; in ceramics.

J T Baker Chem Co, Phillipsburg, N J
Gen Metallic Oxide Co, 1 & Henderson Sts, Jersey City 2, N J
*Electro Metallurgical Co, 30 E 42 St, N Y 17

MANGANESE ACETATE (Manganous Acetate)

$Mn(C_2H_3O_2)_2.4H_2O$. Pale-red cryst. Sp. gr. 1.6. Sol. water, alcohol. Uses—mfr. bister; mordant in dyeing textiles—chemical catalyst; boiled oil, paint and varnish drier; tanning and finishing leather; in fertilizers. Grades—tech.; C.P.

Gen Metallic Oxides Co, 1 & Henderson Sts, Jersey City 2, N J

MANGANESE BINOXIDE see Manganese Dioxide

MANGANESE BORATE (Manganous Borate)

$Mn_3B_4O_7$. M.W. 297.1. White powder, not soluble in water. Uses—drier in varnishes and boiled oil. Grades—tech.; C.P.

Gen Metallic Oxides Co, 1 & Henderson Sts, Jersey City 2, N J

MANGANESE CARBONATE (Manganese White, Dialozite)

$MnCO_3$. M.W. 114.93. Fine, light-brown powd. Sp. gr. 3.125. Decomposes on heating. Sol. dilute acids. Uses—mfr. manganese salts, as pigment in paints and varnishes; in fertilizers; in medicine. Grades—tech.; C.P.

W R E Andrews Sales, 1505 Race St, Phila, Pa
Barclay Chem Co, 75 Varick St, N Y
Fallek Products Co, 163 Broadway, N Y 6
Gen Metallic Oxides Co, 1 & Henderson Sts, Jersey City 2, N J
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Republic Chem Corp, 94 Beekman St, N Y 38

MANGANESE CHLORIDE

$MnCl_2.4H_2O$. M.W. 197.91. Rose-red, deliq. cryst. Sp. gr. 2.01. M.P. 58°C. Sol. water; slightly sol. alcohol. Uses—mfr. dyes, chrome brown, electric batteries, fertilizer compositions, brown pigment; as catalyst in making intermediates; mordant in dyeing and printing textiles; paint and varnish drier; in medicine. Grades—tech.; recrystallized; C.P.

Barclay Chem Co, 75 Varick St, N Y
Fisher Chem Co, 60 E 42 St, N Y 17
Gen Metallic Oxides Co, 1 & Henderson Sts, Jersey City 2, N J
Prior Chem Corp, 420 Lexington Ave, N Y 17

MANGANESE DIOXIDE (Manganese Peroxide, Black Oxide of Manganese, Manganese Binoxide, Battery Manganese, Glass-Makers' Soap)

MnO_2. Green, amorp. powd. Sp. gr. 5.026. M.P. 390°C. Decomposes at 535°C. Sol. hydrochloric acid. Uses—mfr. oxygen, chlorine, Javel water, bleaching powd., manganates, permanganates, electric dry cells and batteries, brown glazes for ceramics and colored enamels for potteries, alloy steels, enameled iron ware, fertilizer compositions, pyrotechnics, match head and match box striking surface compositions, manganese, linoleate and resinate driers for paints and varnishes; as depolarizer in electricity; oxidizing agent in making synth. dyes, intermediates, organic chemicals, pharmaceuticals, purpurin, benzoic acid, benzaldehyde, hydroquinone; general oxidizing agent for various purposes; dyeing cottons in khaki colors; printing textiles; removing iron from water; drying oils; rubber compounding; neutralizing yellow iron color in glass; coloring glass; in medicine. Grades—as to percentage of MnO_2; lump; granulated; powdered; C.P.

American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Carus Chem Co, Box 364, La Salle, Ill
Chem Service Corp, 82 Beaver St, N Y 5
Charles B Chrystal Co, 53 Park Pl, N Y 7

MANGANESE DIOXIDE, continued

*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Gen Metallic Oxides Co, 1 & Henderson Sts, Jersey City 2, N J
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Western Electrochemical Co, Russ Bldg, San Francisco 4, Cal

MANGANESE 2-ETHYLHEXOATE

$Mn[CH_3(CH_2)_3CH(C_2H_5)CO_2]_2$. M.W. 341.3. Brown amorphous solid. Uses—as a drier in paints and varnishes.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
Mathe Chem Co, 169 Milbank St, Lodi, N J
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill

MANGANESE GLUCONATE

$Mn(C_6H_{11}O_7)_2.2H_2O$. Light pink powder or coarse pink granules. Uses—medicinal. Cont.—cans, fiber drums.

*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y

MANGANESE GLYCEROPHOSPHATE

$MnC_3H_7O_3PO_4$. M.W. 225.04. White or slightly reddish, odorl. powd. Sol. acids, slightly sol. water. Insol. alcohol. Uses—medicine.

Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

MANGANESE HYPOPHOSPHITE

$Mn(H_2PO_2)_2.H_2O$. Pink crystals or powder. Sol. water. Insol. alcohol. Grades—technical; N.F. Uses—medicine. Shipping regulations—none.

Fellows Medical Mfg Co, 26 Christopher St, N Y 14
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

MANGANESE LINOLEATE

$Mn(C_{18}H_{31}O_2)_2$. Dark-brown masses. Sol. hot linseed oil. Uses—manuf. pharmaceuticals; drier in paints and varnishes. Grades—tech.

Barclay Chem Co, 75 Varick St, N Y
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Witco Chem Co, 295 Madison Ave, N Y 17

MANGANESE NAPHTHENATE

M.W. about 515. 11% metal. Brown solid; sol. hydrocarbons, vegetable oils, varnishes. Use—paint dryer.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Gen Petroleum Corp, 612 S Flower St, Los Angeles 17, Cal
R B Huber, 216 Tremont St, Boston 16, Mass
*Industrial Lining Engrs, 35 & Smallman Sts, Pittsburgh, Pa
Mathe Chem Co, 169 Milbank St, Lodi, N J
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Oronite Chem Co, 38 Sansome St, San Francisco 4, Cal
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Witco Chem Co, 295 Madison Ave, N Y 17

MANGANESE NITRATE

$Mn(NO_3)_2 + 6H_2O$. Pink, deliq. cryst. Sp. gr. 1.82. M.P. 25.8°C. B.P. 129°C. Decomposes 230°C. Sol. water. Uses—mfr. manganese dioxide, intermediate; coloring ceramics.

*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6

MANGANESE OLEATE

$Mn(C_{18}H_{33}O_2)_2$. Brown, granular mass. Sol. ether, olecic acid. Slightly sol. alcohol. Uses—in varnishes.

*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Witco Chem Co, 295 Madison Ave, N Y 17

MANGANESE OXALATE

$MnC_2O_4 + 2H_2O$. White, crystalline powd. Sp. gr. 2.45. Decomposes at 150°C. Slightly sol. water. Uses—mfr. manganous oxide; as drier for paints, enamels and varnishes.

Amend Drug & Chem Corp, 117-119 E 24 St, N Y

MANGANESE OXIDE see Manganous Oxide

MANGANESE PEROXIDE see Manganese Dioxide

MANGANESE PROTOXIDE see Manganous Oxide

MANGANESE RESINATE

Mn $(C_{20}H_{29}O_2)_2$. Brownish-black, resin-like masses of flesh colored, amorp. powd. Sol. hot linseed oil, chloroform. Uses—drier paints, varnishes, boiled oil. Grades—tech.

Barclay Chem Co, 75 Varick St, N Y
R B Huber, 216 Tremont St, Boston 16, Mass
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47 Ill
*Witco Chem Co, 295 Madison Ave, N Y 17

MANGANESE STEARATE

$Mn(C_{18}H_{35}O_2)_2$. Pink Powder, Melting Point 100-110°C. Mol. wt. 621. Ash 13.4, Solubility, Insol. in polar liquids, partly sol. in petroleum oils and forms gels with aromatic and aliphatic hydrocarbons. Packaging, 50 pound cartons. Uses—wax and grease compounding. As stearic soap for gramaphone records, insulators, vanishing cream and cosmetics.

Faesy & Besthoff, 325 Spring St, N Y 13
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Mathe Chem Co, 169 Milbank St, Lodi, N J
Prior Chem Corp, 420 Lexington Ave, N Y 17
*Warwick Chem Co Div, Wood River Junction, R I
*Witco Chem Co, 295 Madison Ave, N Y 17

MANGANESE SULFATE (Manganous Sulfate)

a. $MnSO_4$ (anhydrous). b. $MnSO_4.4H_2O$. (tetrahydrate). Pale rose-red, efflorescent prisms of powd. Sp. gr. a. 3.25; b. 2.11. Decomposes on heating and remains stable between 18 and 30°C. Sol. water. Uses—mfr. manganese salts, ceramics, red glazes for potteries and porcelains, chrome brown and other synthetic dyes, paper, fertilizer compositions; mordant in dyeing and printing textiles; general oxidizing agent; drier for paints, varnishes and boiled oil; in oxalate and borate driers; in medicine. Grades—tech.; C.P.

American-British Chem Supplies, 180 Madison Ave, N Y
American Quinine Co, 16 William St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Bergstrom Trading Co, 233 Broadway, N Y
*Edward S Burke, 65 Pine St, N Y
*Carus Chem Co, Box 364, LaSalle, Ill
*City Chem Corp, 132 W 22 St, N Y 11
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
Gen Metallic Oxides Co, 1 & Henderson Sts, Jersey City 2, N J
B L Lemke & Co, 199 Main St, Lodi, N J
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Tennessee Corp, 619 Grant Bldg, Atlanta, Ga
*Tennessee Eastman Co, 10 E 40 St, N Y 16
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

MANGANESE TALLATE

Manganese salt of tall oil (a mixture of acids derived from pine tree) of varying composition. Uses—as a drier in paints and varnishes.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
WRE Andrews Sales, 1505 Race St, Phila, Pa
*Industrial Lining Engrs, 35 & Smallman Sts, Pittsburgh, Pa
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Witco Chem Co, 295 Madison Ave, N Y 17

MANGANESE TITANIUM

Gallard Schlesinger Chem Co, 92 Liberty St, N Y

MANGANESE WHITE see Manganese Carbonate

MANGANOUS ACETATE see Manganese Acetate

MANGANOUS BORATE see Manganese Borate

MANGANOUS OXIDE (Manganese Oxide, Manganese Protoxide)

MnO. Grass-green powd. Sp. gr. 5.09-5.18. Melts at white heat. Sol. acids. Uses—mfr. dry batteries, potteries, porcelains, colored glass, paper; as chemical catalyst; drier in paints and varnishes; assist in printing and dyeing textiles; tallow bleaching; in medicine. Grades—tech.

Dalton-Cooper, 200 W 34 St, N Y
Gen Metallic Oxides Co, 1 & Henderson Sts, Jersey City 2, N J

MANGANOUS SULFATE see Manganese Sulfate

MANGROVE BARK

Bark of Rhizophora mucronata. Habitat—West Africa, Borneo. Uses—mfr. tanning extracts; in tanning leather. Grades—whole; ground.

Colony Import & Export Corp, 11 E 44 St, N Y 17
Dalton-Cooper, 200 W 34 St, N Y
Greene Trading Co, 60 Wall St, N Y 5

MANGROVE EXTRACT

Extract of Mangrove bark containing 25% tannin. Uses—tanning leather. Grades—liq. and solid (cutch).

*American Dyewood Co, 285 Madison Ave, N Y
Colony Import & Export Corp, 11 E 44 St, N Y 17

MANILA ELEMI see Gum, Elemi

MANIOCA see Tapioca Flour

MANNIDES see Mannitol Esters

MANNITANS see Mannitol Esters

MANNITE see Mannitol

MANNITOL (Mannite)

$CH_2OH(CHOH)_4CH_2OH$. Fine white crystals. M.P. 166-167°C. B.P. 290-295°C. at 3-3½ mm. Sp. gr. 1.487. Non-hygroscopic. Sol. water; sl. sol. lower alcohols and amines; insol. most organic solvents.

*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*Bios Labs, 17 W 60 St, N Y 23
B L Lemke & Co, 199 Main St, Lodi, N J
McKesson & Robbins 155 E 4 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7

MANNITOL BORATE

*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del

MANNITOL ESTERS (Mannides, Mannitans, etc.)

*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*Bios Labs, 17 W 60 St, N Y 23
*Monsanto Chem Co, Plastics Div, Springfield, Mass

MANNITOL HEXANITRATE (Hexanitro Mannite, HNM)

$C_6H_8(ONO_2)_6$. Colorless crystals. M.P. 106.5-107°C. Ignition Temp. 215-225°C. Sol. alcohol, acetone, ether; insol. water.

*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*Bios Labs, 17 W 60 St, N Y 23
R J Strasenburgh Co, 195 Exchange St, Rochester 14, N Y

MANNOSE

$CH_2OH(CHOH)_4CHO$. M.W. 180.1. A hexose or fermentable monosaccharide and isomer of glucose, occuring in two optically active forms and obtained from manna.

*Bios Labs, 17 W 60 St, N Y 23
*Pfanstiehl Chem Co, 104 Lakeview Ave, Waukegan, Ill

MARANTA see Arrowroot

MARBLE DUST see Calcium Carbonate

MARBLE FLOUR

*Industrial-Minerals & Chem Co, 6 & Gilman Sts, Berkeley 10, Cal
*Manufacturers Min Co, Box 3144, Seattle, Wash
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

MARS YELLOW see Iron Oxide, Yellow

MARSH GAS see Methane

MASSICO see Lead Oxide, Yellow

MASTICHE see Gum, Mastic

MASTIX see Gum, Mastic

MEADOW GREEN see Copper Acetoarsenite

MEAT CURING COMPOUNDS

Preparations which foster the development of a rich, red color; an attractive flavor, and inhibit spoilage.

Croton Chem Corp, 114 Liberty St, N Y 6
*Davies Nitrate Co, 114 Liberty St, N Y C
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Solvay Sales Div, 40 Rector St, N Y 6

MECCA see Shellac

MECCA GALLS see Nutgalls

*Company classifies itself as manufacturer or producer of this product

MENTHOL U.S.P.

CHEMICAL DEPARTMENT
McKESSON & ROBBINS
INCORPORATED
NATIONWIDE DISTRIBUTORS OF HEAVY AND FINE CHEMICALS

MENTHOL
U. S. P.
Natural and Synthetic
Menthol Substitutes

SACCHARIN
Powder • Granular • Crystals

Vanillin • Thymol
Aspirin • Phenacetin
Sulfa Drugs
Vitamins

Intermediates
Fine Chemicals

BENDIX CHEMICAL
CORPORATION
422 LEXINGTON AVE., N.Y. 17, N.Y.
MUrray Hill 3-3204

MELAMINE

$C_3N_3(NH_2)_3$. A trimer of cyanamide. Mol. wt. 126. M.P. 354°C. Sp. gr. d_{25} 1.57. Solubility in water, 0.5% at 25°C., 5.5% at 90°C. Insoluble in inert organic solvents. Difficultly soluble in polar solvents. Uses—for synthetic resins and chemical synthesis.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Bios Labs, 17 W 60 St, N Y 23
*Ciba Co, 627 Greenwich St, N Y 14
*Monsanto Chem Co, Springfield, Mass
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

MELANILINE see Diphenyl Guanadine

MENAPHTHENE see Vitamin K

MENTHOL (Natural)

$C_{10}H_{19}OH$. Peppermint, crystalline white solid. Sp. gr. 0.890; M.P. 44.5°C.; B.P. 215.5°C. Sol. alcohol, ethr, very slightly in water. Uses—food preparations, confectionery, candy, cosmetics, in medicine, etc. Grades—U.S.P. Cont.—cases (tins). See also Menthol, Synthetic, Chmicals Section.

Amplex Co, 60 Wall St, N Y
Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Bespaloff Trading Corp, 61 Broadway, N Y 6
Biddle Sawyer Div, 25 Broad St, N Y 4
*Bios Labs, 17 W 60 St, N Y 23
Chem Service Corp, 82 Beaver St, N Y 5
*Consumers Import Co, 350 5 Ave, N Y 1
Dodge & Olcott, 180 Varick St, N Y 14
Dalton-Cooper, 200 W 34 St, N Y
Paul A Dunkel & Co, 1 Wall St, N Y 5
Dura Chem Co, 20 Vesey St, N Y 7
Enco Chem Corp, 441 Lexington Ave, N Y 17
Fallek Products Co, 163 Broadway, N Y 6
Frank G Fanning, 50 E 42 St, N Y 17
Fleischman, Burd & Co, 22 W 48 St, N Y 19
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Gane & Ingram, 43 W 16 St, N Y 11
Charles Gitlan & Co, 25 Beaver St, N Y 4
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Geo Lueders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
T F McAdam, 125 Broad St, N Y 4
McKesson & Robbins, 155 E 44 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Polak & Schwartz, 667 Washington St, N Y 14
Prentiss Drug & Chem Co, 110 William St, N Y 38

MENTHOL, continued

Products Trading Corp, 1775 Broadway, N Y 19
Republic Chem Corp, 94 Beekman St, N Y 38
*Schimmel & Co, 601 W 26 St, N Y 1
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Shepard Chem Corp, 117 Liberty St, N Y 6
Siber Hegner & Co, 183 Madison Ave, N Y 16
Harold A Sothern, 230 Park Ave, N Y 17
*C F Ten Eyck Co, 1011 N Lake St, Burbank, Cal
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn
Tombarel Products Corp, 12 E 22 St, N Y 10
Wah-Chang Corp, 233 Broadway, N Y 7
Joseph Weinstein, 4743 Walnut St, Phila, Pa
George Uhe Co, 76 9 Ave, N Y 14

MENTHOL (Synthetic)

For description see Menthol (Natural).

*Bendix Chem Corp, 420 Lexington Ave, N Y
Chemtech Products Corp, 52 William St, N Y 5
*Desmo Chem Corp, 565 5 Ave, N Y 17
Dodge & Olcott, 180 Varick St, N Y 14
Paul A Dunkel & Co, 1 Wall St, N Y 5
Frank G Fanning, 50 E 42 St, N Y 17
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Gane & Ingram, 43 W 16 St, N Y 11
*Givaudan-Delawanna, 330 W 42 St, N Y 18
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Geo Lueders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
Mutchler Chem Co, 258 Broadway, N Y 7
Polak & Schwartz, 667 Washington St, N Y 14
Prentiss Drug & Chem Co, 110 William St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 7
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Shepard Chem Corp, 117 Liberty St, N Y 6
Harold A Sothern, 230 Park Ave, N Y 17
George Uhe Co, 76 9 Ave, N Y 14

MENTHYL SALICYLATE (Samol, Salimenthol)

$C_6H_4(OH)COOC_{10}H_{19}$. Colorless liquid. Miscible usual organic solvents. Insol. water. Uses—medicinal.

Florasynth Labs, 1513 Olmstead Ave, N Y 61
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Geo Lueders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
Polak & Schwartz, 667 Washington St, N Y 14

MENTHYL VALERATE

$(CH_3)_2.CH.CH_2.CO.OC_{10}H_{19}$. M.W. 240.22. Colorless liquid. Menthol and valerian odor; cooling, faintly bitter taste. Insol. water; freely sol. alcohol; decomp. by alkalies. Use—nerve sedative.

*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
*Givaudan-Delawanna, 330 W 42 St, N Y 18

MERBROMIN

American Roland Corp, 16 Hudson St, N Y
J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
*Fallek Products Co, 163 Broadway, N Y 6
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Meves & Gregg, 110 N Front St, Phila 6, Pa
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
George Uhe Co, 76 9 Ave, N Y 14

MERCAPTANS see advertisements on page and individual listings

2-MERCAPTOETHANOL and individual listings

*Bios Labs, 17 W 60 St, N Y 23
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

MERCURIAL OINTMENT

Contains finely divided mercury in wool fat—petrolatum base. Uses—Parasiticide, antiseptic.

Bendix Chem Corp, 420 Lexington Ave, N Y
*B R Elk Co, 193 Palisade Ave, Garfield, N J
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y

MERCURIC ACETATE

$Hg(CH_3COO)_2$. M.W. 318.66. White crystals or powder; sensitive to light. POISON. Use—for mercuration of organic compounds.

*J T Baker Chem Co, Phillipsburg, N J
*F W Berk & Co, 55 New Montgomery St, San Francisco, Cal
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Wm M Stieh & Co, 20 Vesey St, N Y 7

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COMPANY
20 VESEY ST., NEW YORK 7, N. Y. • WOrth 4-0120

*Company classifies itself as manufacturer or producer of this product

MERCURIC CHLORIDE (Corrosive Sublimate, Mercury Bichloride, Mercury Chloride, Mercury Protochloride, Hydrargyri Chloridum Corrosivum, Hydrargyri Perchloridum)

$HgCl_2$. M.W. 271.52. White, crystalline powd. Sp. gr. 5.42. M.P. 275°C. B.P. 301°C. Sol. water, alcohol, ether, pyridine, acetic acid ester.

J T Baker Chem Co, Phillipsburg, N J
Bendix Chem Corp, 420 Lexington Ave, N Y
*F W Berk & Co, 55 New Montgomery St, San Francisco, Cal
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
*Wm M Stieh & Co, 20 Vesey St, N Y 7

MERCURIC CYANIDE see Mercury Cyanide

MERCURIC IODIDE (Mercury Biniodide)

HgI_2. M.W. 454.44. M.P. 253°C. Scarlet red powd. Sol. alcohol, ether, in water in presence of soluble iodides. Uses—Preparing Mayer's alkaloidal reagent & Nessler's solution, medicine.

J T Baker Chem Co, Phillipsburg, N J
*F W Berk & Co, 55 New Montgomery St, San Francisco, Cal
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
*Wm M Stieh & Co, 20 Vesey St, N Y 7

MERCURIC OXIDE RED (Mercury Red Precipitate, Red Precipitate)

HgO. Orange-red, crystalline powd. Sp. gr. 11.00 to 11.29. Decomposes on heating. Sol. acids. Uses—mfr. marine and antifouling paints, mercury salts, intermediates, organic chemicals, pomades, perfume preparations, grease paints; as paint and varnish pigment; oxidizing agent in chemical processes; ceramic coloring and decorating porcelains; as laboratory reagent; depolarizer in electric batteries; in medicine. Poisonous. Grades—U.S.P.; mass; powdered; C.P.

*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*F W Berk & Co, 55 New Montgomery St, San Francisco, Cal
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
*Precision Chem Corp, 407 Sansome St, San Francisco 11, Cal
Quicksilver Products Association, 407 Sansome St, San Francisco 11, Cal
Republic Chem Corp, 94 Beekman St, N Y 38
*Wm M Stieh & Co, 20 Vesey St, N Y 7

MERCURIC OXIDE YELLOW (Yellow Precipitate)

HgO. Light, amorphous, orange-yellow powder. Stable in air but turns dark on exposure to light. Sp. gr. 11.03 at 27.5°C. M.P. decomposes. Grades—C.P.; U.S.P. Uses—medicine.

*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*F W Berk & Co, 55 New Montgomery St, San Francisco, Cal
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
*Precision Chem Corp, 407 Sansome St, San Francisco 11, Cal
Quicksilver Products Association, 407 Sansome St, San Francisco 11, Cal
Republic Chem Corp, 94 Beekman St, N Y 38
*Wm M Stieh & Co, 20 Vesey St, N Y 7

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tert-Dodecylmercaptan
Pentalarm
(warning agent for fuel gases)
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Sharples Chemicals Inc.
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20 VESEY ST. N. Y. C. WO 4-4265

MERCUROUS CHLORIDE (Calomel, Mercury Monochloride, Mercury Chloride, Mild, Hydrargyri Chloridum Mite, Hydrargyri Subchloridum, Black Precipitate, Hahnem Auris Mercury)

Hg_2Cl_2. White, crystalline or amorp. powd. Sp. gr. 6.995-7.18. M.P. sublimes at 383°C. B.P. 382.5°C. Slightly sol. hot alcohol. Uses—mfr. pyrotechnics, gold colors in ceramics; as laboratory reagent; germicide; in medicine. Grades—U.S.P.; C.P.; tech.

*American Quinine Co, 15 William St, N Y
J T Baker Chem Co, Phillipsburg, N J
Bendix Chem Corp, 420 Lexington Ave, N Y
*F W Berk & Co, 55 New Montgomery St, San Francisco, Cal
Chem Service Corp, 82 Beaver St, N Y 5
Gaillard Schlesinger Chem Co, 92 Liberty St, N Y
Philip A Lo Bue Co, 230 Park Ave, N Y 17
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17

MERCUROUS CHLORIDE, continued

*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
*Wm M Stieh & Co, 20 Vesey St, N Y 7

MERCUROUS IODIDE (Green Mercury Protolodide)

HgI. M.W. 327.52. Greenish-yellow, heavy, amorphous powd. Insol. water, alcohol, ether. Uses—medicine.

*F W Berk & Co, 55 New Montgomery St, San Francisco, Cal
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
*Wm M Stieh & Co, 20 Vesey St, N Y 7

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MERCURIC IODIDE RED
MERCURIC NITRATE
PHENYL MERCURY COMPOUNDS
WHITE PRECIPITATE
MERCURY CYANIDE
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MILLMASTER

MERCUROUS OXIDE (Mercury Oxide Black)

Hg_2O. M.W. 417.2. A black or brownish-black powder. Insol. water. Very easily decomp. by light or at 100° or lower temp. into HgO and Hg.

Barclay Chem Co, 75 Varick St, N Y
*F W Berk & Co, 55 New Montgomery St, San Francisco, Cal
*City Chem Corp, 132 W 22 St, N Y 11
McKesson & Robbins, 155 E 44 St, N Y 17
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Wm M Stieh & Co, 20 Vesey St, N Y 7

MERCURY (Liquid Silver, Quicksilver, Hydrargyrum)

Hg. Silvery liq. Sp. gr. 13.5933. B.P. 357.33°C. Solidifies 38.85°C. Sol. acids. Uses—mfr. mercury salts, calomel, corrosive sublimate, mercury fulminate, numerous mercuro pharmaceuticals, metallic amalgams, boiler scale preventatives, dental amalgams, vermillion red pigments; cathode in electrochemical processes; catalyst in nitrations; extracting gold and silver from ores; electroplating of metals; silvering mirrors; in physical and scientific instruments, barometers, thermometers, hydrometers, chemical apparatus, thermostats, gas governors; for tin in type metal and stereo alloys; in mercury vapor lamps; arc rectifiers; ultra violet rays; electrical apparatus; in medicine. Grades—U.S.P.; tech.; distilled; redistilled; C.P.

Adams-Henry Chem Co, 33 Broadway, N Y 4
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
J H Bauminger, 421 7 Ave, N Y
Chematar Inc, Exchange Pl, N Y 5
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Fallek Products Co, 163 Broadway, N Y 6
Fleischman, Burd & Co, 22 W 48 St, N Y 19
Garrigues, Stewart & Davies, 75 West St, N Y 6
*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill
*T B Hagstoz & Son, 709 Sansom St, Phila 6, Pa
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Howe & French, Mfg Dept, E Weymouth, Mass



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MERCURY, continued

Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
T F McAdam, 125 Broad St, N Y 4
McKesson & Robbins, 155 E 44 St, N Y 17
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
National Zinc Co, P O Box 579, Bartlesville, Okla
Overseas Trading Corp, 420 Lexington Ave, N Y 17
*Quicksilver Products Association, 407 Sansome St, San Francisco 11, Cal
Republic Chem Corp, 94 Beekman St, N Y 38
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Wm M Stieh & Co, 20 Vesey St, N Y 7
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
George Uhe Co, 76 9 Ave, N Y 14
Wah-Chang Corp, 233 Broadway, N Y 7

MERCURY ACETATE

*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Wm M Stieh & Co, 20 Vesey St, N Y 7

MERCURY, AMMONIATED (Ammoniated Mercury Chloride, White Precipitate, Amido-Mercuric Chloride)

$HgNH_2Cl$. M.W. 252.08. Contains 78-80% Hg. White powd. Earthy, styptic, metal, taste. Sol. acids. Insol. water, alcohol.

J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer & Co, 2 W 47 St, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Wm M Stieh & Co, 20 Vesey St, N Y 7

MERCURY BICHLORIDE see Mercuric Chloride

MERCURY BINIODIDE see Mercuric Iodide

MERCURY BISULFATE (Mercury Sulfate, Mercury Persulfate)

$HgSO_4$. White, crystalline powd. Sp. gr. 6.466. Decomposes at red heat. Sol. in HCl, hot dilute H_2SO_4, and concentrated sol. NaCl. Uses—mfr. mercury salts, electric batteries, mercuric chloride, mercurous chloride, various mercuro pharmaceuticals; as catalyst in making intermediates; extracting gold and silver from ores. Grades—medicinal; tech.; C.P.

*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17

MERCURY BLEND see Mercury Sulfide, Red

MERCURY CHLORIDE see Mercuric Chloride

MERCURY CHLORIDE MILD see Mercurous Chloride

MERCURY CYANIDE (Mercuric Cyanide)

$Hg(CN)_2$. M.W. 252.65. Colorless, transparent prisms. Sp. gr. 4.018. M.P. decomposes. Sol. water, alcohol. Grades—technical, C.P. Uses—germicidal soaps, manufacturing cyanogen gas, photography.

*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Wm M Stieh & Co, 20 Vesey St, N Y 7

*Company classifies itself as manufacturer or producer of this product

MERCURY MONOCHLORIDE see Mercurous Chloride

MERCURY NAPHTHENATE

M.W. about 660.30% metal. Sol. hydrocarbons, vegetable oils. Uses—fungicide and mildew preventive.

Mathe Chem Co, 169 Milbank St, Lodi, N J
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Witco Chem Co, 295 Madison Ave, N Y 17

MERCURY NITRATE (Mercury Pernitrate)

a. Mercuric salt. $2Hg(NO_3)_2.2H_2O$. b. Mercurous salts. $2Hg(OH)$. NO_2H_2O. c. Mercurous salts. $Hg(NO_3)_2 2HgO.H_2O$. Colorless or white, deliq. cryst. or powd. Decomposes on heating. Sol. water, nitric acid. Uses—a. mfr. felts, ointments; as nitrating agent in making intermediates and organic chemicals; in medicine. b. and c. mfr. mercury acetate, cosmetics, hats; as laboratory reagent; for blue-black colors on metals; in medicine. Grades—mercuric; mercurous; solution; C.P.; U.S.P.

*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Wm M Stieh & Co, 20 Vesey St, N Y 7

MERCURY PERNITRATE see Mercury Nitrate

MERCURY PERSULFATE see Mercury Bisulfate

MERCURY PROTOCHLORIDE see Mercuric Chloride

MERCURY RED PRECIPITATE see Mercuric Oxide, Red

MERCURY SULFATE see Mercury Bisulfate

MERCURY SULFIDE, RED (Vermilion, Mercury Blend, Patent Red, Artificial Cinnabar, Chinese Vermilion, Red Mercuric Sulfuret, Quicksilver Vermilion, Liver Ore)

HgS. M.W. 232.67. Fine, bright scarlet powd. Sp. gr. 8.06-8.12. Sublimes at 580°C. Insol. Uses—for coloring sealing wax, plastics; as fine pigment for paints, varnishes, stains, water colors; as rubber pigment; in medicine. Grades—English; Chinese; American; C.P.; tech.

Bendix Chem Corp, 420 Lexington Ave, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Gen Color Co, 24 Ave B, Newark 5, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
F H Paul & Stein Bros, 100 Gold St, N Y 38
Wm M Stieh & Co, 20 Vesey St, N Y 7

MESITYL OXIDE (Methylisobutenylketone, Isopropylideneacetone)

$(CH_3)_2C:CHCOCH_3$. M.W. 98.08. Colorless, oily liq. Sp. gr. 0.861 (15°C.). B.P. 128.7°C. Sol. alcohol, ether. Uses—mfr. intermediates organic chemicals. Grades—tech.

American-British Chem Supplies, 180 Madison Ave, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Shell Chem Corp, 50 W 50 St, N Y 20

METACETALDEHYDE see Metaldehyde

METALDEHYDE (Metacetaldehyde)

$(CH_3CHO)_3$. M.W. 132.12. White prisms. M.P. 246.2°C., in sealed tubes; sublimes at 112-116°C., with partial depolymerization. Sol. benzene, chloroform. Sltl. sol. alcohol, ether. Insol. water. Uses—as solid fuel; agricultural fungicide and disinfectant; extermination of slugs and snails; sed. and hypn. in medicine. Grade—tech.; available in tablet form only.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
City Chem Corp, 132 W 22 St, N Y 11
World Spray Co, 4609 Avalon Blvd, Los Angeles, Cal

MERCURY and MERCURY COMPOUNDS

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200 Wagaraw Rd. Hawthorne, N. J.

HAthorne 7-6000 PEnn 6-2626

METAL STAMPING COMPOUNDS

Preparations used to protect and lubricate in all types of metal stamping operations.

E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Macco Products Co, 525 W 76 St, Chicago, Ill
*Murphy's Oil Soap Co, 9505 Cassius Ave, Cleveland, Ohio
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Phoenix Oil Co, 9505 Cassius Ave, Cleveland, Ohio
*Reilly-Whiteman-Walton Co, P O Box 188, Conshohocken, Pa

METALS, LOW MELTING

Various metals and alloys with low melting points. Used as fuses, for automatic action to control temperatures, etc.

*American Smelting & Refining Co, 120 Broadway, N Y 5

METALS, PASTE

*Magna Mfg Co, Haskell, N J
*Marks Chem Works, 20 W 22 St, N Y 10
Metalead Products Corp, 978 Mills Bldg, San Francisco 4, Cal
*Metals Disintegrating Co, P O Box 290, Elizabeth, N J
*A J Stull & Co, 5816 Tacony St, Phila 24, Pa

METALS, POWDER

Within comparatively recent years metals in the finely powdered state have been developed, the principal ones being, aluminum, antimony, bismuth, brass, bronze, cadmium, chromium, chromium (reduced), copper, gold, iron, iron (hydrogen reduced), lead, manganese, molybdenum, nickel, palladium, silicon, silver, tellurium, tin, titanium, tungsten, tungsten (carbon reduced) vanadium zinc. See also Bronze Powder, Bismuth Powder, Chromium Powder, Copper Powder, Nickel Powder, etc.

American Firstoline Corp, 420 Lexington Ave, N Y
*American-Marietta Co, 101 E Ontario St, Chicago 11, Ill
John A Chew, 60 E 42 St, N Y 17
*Connelly Inc, 74 Trinity Pl, N Y 6
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
*Magna Mfg Co, Haskell, N J

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FERRO TITANIUM
FERRO VANADIUM
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TI-AL ALLOY

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SHIELDALLOY PRODUCTS
100 PARK AVENUE
NEW YORK 17, N.Y.
MUrray Hill 6-3335

METALS, POWDER, continued

*Metal Hydrides, 16 Congress St, Beverley, Mass
Metalead Products Corp, 978 Mills Bldg, San Francisco 4, Cal
*Metallurg Inc, 100 Park Ave, N Y 17
*Metals Disintegrating Co, P O Box 290, Elizabeth, N J
*New Jersey Zinc Sales Co, 160 Front St, N Y 38

METALS, WHITE CASTING

*New Jersey Zinc Sales Co, 160 Front St, N Y 38

METHALLYL CHLORIDE

$CH_2CMe.CH_2Cl$. M.W. 90.0. A colorless liquid. B.P. 72°C. Made from petroleum hydrocarbons. Used as an insecticide.

*Bios Labs, 17 W 60 St, N Y 23
*Shell Chem Corp, 50 W 50 St, N Y 20

METHANE (Marsh Gas, Methylhydride)

CH_4. M.W. 16.04. Colorless, inflammable gas. d (air =1) =0.558. F.P. —184°C. Uses—mfr. formaldehyde; in organic synthesis; a constituent of illuminating gas.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Matheson Co, Paragon Div, E Rutherford, N J
*New England Lacquer Co, Box 89, E Providence, R I
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

METHANAL see Formaldehyde

METHANOL (Methyl Alcohol, Wood Alcohol, Columbian Spirits, Acetone Alcohol, Wood Naphtha, Wood Spirits, Colonial Spirits, Methyl Hydrate, Methyl Hydroxide, Pyroxylic Spirit, Carbinol)

CH_3OH. M.W. 32.03. Colorless, inflam. liq. Sp. gr. 0.810 (0°C.). F.P. —97.8°C. B.P. 64.7°C. Sol. water, alcohol, ether. Poisonous when taken internally. Uses—mfr. methyl esters, methyl chloride, methyl sulfate, formaldehyde, dimethyl aniline, intermediate and organic chemicals, varnishes, enamels, paint removers, artificial leather, polishing and cleansing compositions, various dyestuffs, spirit varnishes; denaturant for ethyl alcohol; laboratory reagent; anti-freeze agent for automobile radiators; reagent in finishing textiles; solvent for gums, resins, shellac, rubber cement, celluloid, smokeless powd. Grades—95%, 97%; pure, synth.; Acetone Free; Absolute, 99.5%.

METHANOL, continued

Aceto Chem Co, 82 Beaver St, N Y 5
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
American Mineral Spirits Co, 155 E 44 St, N Y 17
American Quinine Co, 15 William St, N Y
W W Angus, 220 Broadway, N Y
Barclay Chem Co, 75 Varick St, N Y
W H Barber Co, 3650 S Homan Ave, Chicago 32, Ill
Philipp Bauer Co, 2 W 47 St, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y 16
Central Solvents & Chem Co, 2545 W Congress St, Chicago 12, Ill
Chematar Inc, Exchange Pl, N Y 5
Chem Mfg Co, 21 West St, N Y 6
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
*Cities Service Oil Co, Masonic-Empire Bldg, Bartlesville, Okla
*Cliffs Dow Chem Co, Wright St, Marquette, Mich
C B Coburn Co, 63 Market St, Lowell, Mass
*Commercial Solvents Corp, 17 E 42 St, N Y 17
Conray Products, 510 6 Ave, N Y 11
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E I Du Pont de Nemours & Co, Polychem Dept, Wilmington 98, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
*Ford Motor Co, 300 Schaefer Rd, Dearborn, Mich
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Wm S Gray & Co, 342 Madison Ave, N Y 17
Great Lakes Chem Co, 2525 S 50 Ave, Chicago 50, Ill
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Hummel Chem Co, 90 West St, N Y 6
Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Leliarts Lane, E Paterson, N J
Lewis Co, 232 Canal St, N Y 13
G C McClellan & Co, 141 Milk St, Boston 9, Mass
McKesson & Robbins, 155 E 44 St, N Y 17
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 7, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
Phillips & Martin Co, 5524 N Wolcott Ave, Chicago, Ill
Prentiss Drug & Chem Co, 110 William St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Schoille Chem Corp, 6641 Ridge Ave, Chicago 26, Ill
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Solvay Sales Div, 40 Rector St, N Y 6
*Spencer Chem Co, 610 Dwight Bldg, Kansas City, Mo
J U Starkweather Co, 241 Allens Ave, Providence, R I
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn
Texas Solvents & Chem Co, 8501 Market St, Houston 5, Tex
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y

METHENAMINE see Hexamethylenetetramine

METHENYL TRICHLORIDE see Chloroform

dl-METHIONINE (dl-a-Amino-g-Methylmercaptobutyric Acid; dl-2-Amino-4 Methylthiobutanoic Acid)

$CH_3SCH_2CH_2CH(NH_2)COOH$. M.W. 149.15. M.P. 281°C. Sol. water.

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
*Dow Chem Co, Midland, Mich
Fallek Products Co, 163 Broadway, N Y 6
Keto Chem Co, 40-33 23 St, L I C 1, N Y
Lamex Chem Corp, 25 Broadway, N Y 4
*Polychem Co, 494 Hunts Point Ave, N Y 59
Red Star Chem Co, 40-33 23 St, L I C 1, N Y
Smith-NY Co, 61 Hampton Pl, Freeport, N Y
George Uhe Co, 76 9 Ave, N Y 14
*U S Industrial Chem, 60 E 42 St, N Y
*Winthrop-Stearns, 1450 Broadway, N Y 18

1-METHOXY-2-AMINO-4-CHLOROBENZENE see Chloroanisidine

2-METHOXYETHYL 12-ACETOXYRICINOLEATE see Methyl "Cellosolve" Acetyl Ricinoleate

METAL POWDERS
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Antimony Cobalt Manganese Solder
Bismuth Copper Molybdenum Steel
Brass Ferro Nickel Tin
Bronze Iron Selenium Tungsten
Cadmium Lead Silicon Zinc, Etc.

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Telephone Dickens 2-4900

*Company classifies itself as manufacturer or producer of this product

METHOXY ETHYL ACETYL RICINOLEATE

*Deecy Products Co, 120 Potter St, Cambridge 42, Mass
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

METHOXY ETHYL OLEATE

$C_8H_{17}CHCH(CH_2)_7COOC_2H_4OCH_3$. M.W. 340; B.P. at 4 mm. 195-225°C.; lbs. per gal. 7.51; Sp. gr. at 20°C. 0.902. Light yellow ester. Uses—plasticizer for chlorinated rubber; water repellent.

*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Metallurgical Products Co, 35 & Moore Sts, Phila 45, Pa
*Ohio-Apex, Nitro, W Va
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

2-METHOXYETHYL RICINOLEATE see Methyl "Cellosolve" Ricinoleate

METHOXYHYDROXY BENZALDEHYDE see Vanillin

METHOXYMETHANE see Ether, Dimethyl

METHYL ABIETATE (Abalyn)

$C_{19}H_{29}COOCH_3$. M.W. 316.25. Colorless to yellow, almost odorless, thick liquid. B.P. 360-365°C with decomp. Insol. water; miscible usual organic solvents. Use—as a solvent for ester gums, rosin, many synthetic resins, ethyl cellulose, rubber, etc., in the manuf. of varnish resins; as ingredient in adhesives.

*Hercules Powder Co, 9 & Market Sts, Wilmington, Del

METHYL ABIETATE, HYDROGENATED

*Hercules Powder Co, 9 & Market Sts, Wilmington, Del

METHYL ACETATE

$CH_3COO.CH_3$. Colorless liq., fragrant odor. Sol. alcohol, ether. Sparingly sol. water. Uses—solvent in cellulose esters, varnishes, lacquers, cosmetics, perfumes, nitrocellulose plastics, flavoring extracts, artificial leather, synth. dyestuffs; chemical reagent and solvent. Grades—tech. in 2 grades, 82 and 99% by weight. Sp. gr. .905-.910 at 20°/20°C.; B.R. 53°C.-56°C.; weight per gal., 7.552 lbs. (20°C.). Sp. gr. 99% grade, .930-.940 (20°/20°C.).; B.R. 55°C.-58°C.; weight per gal., 7.779 lbs. (20°C).

American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Ford Motor Co, 300 Schaefer Rd, Dearborn, Mich
Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Leliarts Lane, E Paterson, N J
Mutchler Chem Co, 258 Broadway, N Y 7
Republic Chem Corp, 94 Beekman St, N Y 38
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

METHYL ACETONE

Mixture methyl acetate, acetone, and methyl alcohol. Colorless liq. Uses—mfr. extracts, artificial leather, rubber cements, gas mantels, various cement compositions, paint; solvent in extracting perfumes, varnish remover; solvent for gums, resins, etc., and nitrocellulose; rubberizing fabrics. Grades—tech.

American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Cliffs Dow Chem Co, Wright St, Marquette, Mich
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Ford Motor Co, 300 Schaefer Rd, Dearborn, Mich
Wm S Gray & Co, 342 Madison Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Kingston Chem Co, 15 William St, N Y 5
G C McClellan & Co, 141 Milk St, Boston 9, Mass
Republic Chem Corp, 94 Beekman St, N Y 38
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn

METHYL ACETOPHENONE

$CH_3C_6H_4COCH_3$. Colorless liq. B.P. 223°C. Sol. benzene, insol. water. Uses—mfr. perfumery.

*American-British Chem Supplies, 180 Madison Ave, N Y
Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Kay-Fries Chem, 180 Madison Ave, N Y 16
Geo Lueders & Co, 427 Washington St, N Y 13
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

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METHYL ACETYL RICINOLEATE

Barclay Chem Co, 75 Varick St, N Y
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa

METHYL ACETYLENE (1-Propyne)

$CH_3{-}C{\equiv}CH$. M.W. 40.06. Colorless gas. Use—organic syntheses.

*Experiment Inc, Box I-T, Richmond 2, Va
*Farchan Research Labs, 609 E 127 St, Cleveland 8, Ohio

METHYL ACRYLATE

$CH_2{:}CHCO_2CH_3$. M.W. 86. B.P. 80°C. Uses—prep. of polymers; intermediate for prep. of pharmaceuticals.

*Rohm & Haas Co, Washington Sq, Phila 5, Pa

METHYL ALDEHYDE see Formaldehyde

METHYL AMINE (Aminomethane)

CH_3NH_2. 33% to 37% sol. M.W. 31.05. Sol. alcohol. Uses—dyestuffs and synthetic intermediate; base; methylating agent.

*Commercial Solvents Corp, 17 E 42 St, N Y 17
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Matheson Co, Paragon Div, E Rutherford, N J
*Rohm & Haas Co, Washington Square, Phila 5, Pa

METHYL AMINE HYDROCHLORIDE

$CH_3NH_2.HCl$. M.W. 67.51. White cryst. Very sol. water, sol. alcohol. Insol. ether. Uses—dyestuffs and synthetic intermediate; methylating agent.

Amend Drug & Chem Corp, 117-119 E 24 St, N Y
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
*Matheson Co, Paragon Div, E Rutherford, N J
Millmaster Chem Corp, 420 Lexington Ave, N Y 17

METHYL o-AMINOBENZOATE see Methyl Anthranilate

METHYL AMINO PYRIDINE

METHYL AMYL ACETATE (Methyl Isobutyl Carbinol Acetate)

$(CH_3)_2CH.CH_2CH(O_2CCH_3)CH_3$. Water white liquid. Solubility in water, 0.8% at 20°C. Soluble in alcohols,

Celanese® CHEMICALS

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CH_3NH_2 $(CH_3)_2NH$ $(CH_3)_3N$ METHYLAMINES

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	Boiling Point	Uses
MONOMETHYLAMINE	-6.7°C.	Dyes, pharmaceuticals, surface-active agents, photographic chemicals.
DIMETHYLAMINE	7.2°C.	Fungicides, rubber accelerators, surface-active agents, quaternary ammonium bactericides, dyes, pharmaceuticals.
TRIMETHYLAMINE	3.5°C.	Pharmaceuticals, quaternary ammonium compounds.

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*Company classifies itself as manufacturer or producer of this product

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A synthetic gum — binder, film former, thickener, suspending agent, emulsion stabilizer.

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METHYL AMYL ACETATE, continued

hydrocarbons and most organic liquids. Sp. gr. .853-.859 at 20°/20°C. B.R. 139°-147°C. Acidity less than .02% cal. as acetic. Ester content 88-92%. Flash point 45°C. Uses—high boiling lacquer solvent, excellent "blush register." Grades—tech.

Aceto Chem Co, 82 Beaver St, N Y 5
American Firstoline Corp, 420 Lexington Ave, N Y
American Mineral Spirits Co, 155 E 44 St, N Y 17
F M Browning Co, 150 Broadway, N Y 38
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

METHYL n-AMYL KETONE

$CH_3CO(CH_2)_4CH_3$. Water-white high boiling ketone (151.0°C.). Sp. gr. 0.816 to 0.821 at 20°/20°C. B.R. (760 min.) below 147°C., none; above 154°C., none. Toluol dilution ratio is 3.9 with half second nitrocellulose. Acidity, not more than 0.05% as acetic acid. Purity, not less than 95%. Non-volatile matter, not more than 0.005 g. per 100 cc. Dryness, miscible with 19 vol. 60 deg. Be. gasoline at 20°C. Misc. with usual lacquer solvents but only slightly in water. Uses—solvent for nitrocellulose, as well as resins used in lacquer; imparts excellent blush resistance.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Florasynth Labs, 1513 Olmstead Ave, N Y 61

METHYL ANILINE (Monomethylaniline)

$C_6H_5.NH(CH_3)$. M.W. 107.08. Colorless to slightly yellow cryst. Turns brown on exposure to air. Sp. gr. .888. Uses—organic sythesis.

Republic Chem Corp, 94 Beekman St, N Y 38

METHYL ANTHRANILATE (Methyl Ortho-Aminobenzoate)

$NH_2.C_6H_4.COOCH_3$. M.W. 151.1. Sp. gr. 1.168. Colorless, fluorescent crystals or liq. with an odor similar to grapes. Slowly turns yellow on exposure to sunlight. B.P. 135.5°C. Sol. most organic solvents; insol. water. M.P. 24.5°C. Uses—mfr. synthetic grape flavoring, perfume combinations.

Dodge & Olcott, 180 Varick St, N Y 14
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Organic Chem Dept. Fine Chem Div, Wilmington 98, Del
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Geo Lueders & Co, 427 Washington St, N Y 13
*Magnus, Mabee & Reynard, 16 Desbrosses St, N Y 13
Polak & Schwartz, 667 Washington St, N Y 14
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

b-METHYL ANTHRAQUINONE

American Firstoline Corp, 450 Lexington Ave, N Y
*Calco Chem Div, Bound Brook, N J

p-METHYL BENZALDEHYDE see Tolyl Aldehyde

METHYLBENZENE see Toluol

METHYL BENZOATE (Essence of Niobe, Oil of Niobe)

$C_6H_5.COOCH_3$. M.W. 136.10. Colorless, transparent liq. Sol. alcohol, ether. Sp. gr. 1.094 at 15°C. B.P. 199°C. Uses—mfr. perfumes.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Geo Lueders & Co, 427 Washington St, N Y 13

METHYL BENZOATE, continued

*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

METHYLBENZOL see Toluol

METHYL BROMIDE (Bromomethane)

CH_3Br. M.W. 94.9. Colorless, non-inflammable gas. Weight per gal. 14.4 lbs. at 0°C. B.P. at 14.7 lbs., 4.5°C. M.P. —93°C. Miscible with most organic solvents; forms a voluminous crystalline hydrate with cold water. Uses—as a refrigerant; mfr. dyes and pharmaceuticals.

American Firstoline Corp, 420 Lexington Ave, N Y
Amplex Co, 60 Wall St, N Y
Barclay Chem Co 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Chem Mfg Co, 21 West St, N Y
*Dow Chem Co, Midland, Mich
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Innis, Speiden & Co, 117 Liberty St, N Y 6
Kingston Chem Co, 15 William St, N Y 5
Matheson Co, Paragon Div, E Rutherford, N J
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

2-METHYLBUTANE see Iso-Pentane

2-METHYL-3-BUTYN-2-OL (Dimethyl Ethynyl Carbinol)

$HC{\equiv}CC(OH)(CH_3)_2$. M.W. 84.11. Colorless liquid. characteristic odor. Uses—organic synthesis, plastics.

*Farchan Research Labs, 609 E 127 St, Cleveland 8, Ohio

METHYL CARBITOL see Ether, Diethylene Glycol Monomethyl

METHYL "CELLOSOLVE" see Ether, Ethylene Glycol Monomethyl

METHYL "CELLOSOLVE"* ACETYL RICINOLEATE (2-Methoxyethyl 12-Acetoxyricinoleate)

(*Reg. Trade-Mark—Carbide & Carbon Chemicals Co.)

$C_5H_{13}CH(OOC{\cdot}CH_3)CH_2CH{=}CH{\cdot}(CH_2)_7COOCH_2CH_2OCH_3$. M.W. 398. Clear, bright low viscosity fluid. Use—plasticizer.

Barclay Chem Co, 75 Varick St, N Y
*Deecy Products Co, 120 Potter St, Cambridge 42, Mass
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

METHYL "CELLOSOLVE"* OLEATE

(*Reg. Trade-Mark—Carbide & Carbon Chemicals Co.)

$C_{21}H_{40}O_3$. M.W. 340.5. Pale amber fluid. Sol. ketones, esters, aromatic and aliphatic hydrocarbons; insol. water. Uses—plasticizer for nitrocellulose, ethyl cellulose, synthetic resins.

W W Angus, 220 Broadway, N Y
Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Ohio-Apex, Nitro, W Va
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

*Company classifies itself as manufacturer or producer of this product

METHYL "CELLOSOLVE"* RICINOLEATE (2-Methoxyethyl Ricinoleate)

(*Reg. Trade-Mark—Carbide & Carbon Chemicals Co.)

C_6H_{13}-CHOH-CH_2CH=CH-$(CH_2)_7COOCH_2CH_2OCH_3$. M.W. 356. Clear, bright, low viscosity liquid. Use—plasticizer.

Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Brush Beryllium Co, 4301 Perkins Ave, Cleveland, Ohio
*Deecy Products Co, 120 Potter St, Cambridge 42, Mass
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa

METHYL "CELLOSOLVE"* STEARATE

(*Reg. Trade-Mark—Carbide & Carbon Chemicals Co.)

W W Angus, 220 Broadway, N Y
Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Deecy Products Co, 120 Potter St, Cambridge 42, Mass
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Ohio-Apex, Nitro, W Va

METHYL CELLULOSE

Cellulose ester. Greaseproof, flavor-retaining, non-inflammable film; unaffected by organic acids. Uses—emulsifying agent for oils, waxes, and fats; thickener, binder, and adhesive in solution form.

Antara Products Div, 435 Hudson St, N Y 14
Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Dow Chem Co, Midland, Mich

METHYL CHLORIDE (Chloromethane, Arctic Essence)

CH_3Cl. M.W. 50.48. Colorless gas, ethereal odor. Gas compressed in cylinders to colorless liq. Sp. gr. 0.92. Solidifies —97.6°C. B.P. —23.7°C. Sol. water, chloroform, alcohol, ether. Uses—mfr. intermediates, organic chemicals, perfume preparations, thermometers, airplane radiators; active refrigerant; solvent and extracting medium for essential oils; in medicine. Grades —technically pure.

Adams-Henry Chem Co, 32 Broadway, N Y 4
*Ansul Chem Co, Marinette, Wis
*Belle Alkali Co, P O Box 615, Belle, W Va
James V Bibbo Co, 110 Washington St, N Y 6
Chem Mfg Co, 21 West St, N Y 6
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co. Electrochem Dept, Wilmington 98, Del
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Matheson Co, Paragon Div, E Rutherford, N J
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Republic Chem Corp, 94 Beekman St, N Y 38
Virginia Smelting Co, W Norfolk, Va

METHYL CHLOROACETATE

$ClCH_2COOCH_3$. M.W. 108.5. Clear, colorless liquid with sweetish odor, irritating to the eyes and mucous membranes. Sp. gr. 1.240 at 20/4°C. Weight per gal., 10.3 lbs. at 20°C. B.P. 130.0-132.0°C. Miscible with most organic solvents, very slightly sol. water. Uses—organic syntheses.

*Dow Chem Co, Midland, Mich

METHYL CINNAMATE

$C_6H_5CHCHCOOCH_3$. M.W. 162.13. M.P. 34°C. B.P. 263°C. Strawberry-like odor. Uses—confectionery, perfumery.

*Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Maywood Chem Works, Maywood, N J
Polak & Schwartz, 667 Washington St, N Y 14
*Verona Chem Co, 26 Verona Ave, Newark, N J

METHYL COUMARIN

Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Maywood Chem Works, Maywood, N J
Polak & Schwartz, 667 Washington St, N Y 14
Verona Chem Co, 26 Verona Ave, Newark, N J

METHYL CROTONATE

$CH_3CHCHCOOCH_3$. M.W. 100.11. Colorless liquid; pleasant odor. Uses—solvent, lacquers, pharmaceuticals, polymers, organic synthesis.

*Algo Chem Co, 1027 S Deacon St, Detroit, Mich

METHYL CYANIDE see Acetonitrile

METHYL CYANO ACETATE (Malonic Methyl Ester Nitrile)

$CNCH_2COOCH_3$. M.W. 99. Colorless liquid. Slightly sol. water; infinitely sol. alcohol, ether. Uses—organic and pharmaceutical synthesis; intermediate.

*American-British Chem Supplies, 180 Madison Ave, N Y
*Dow Chem Co, Midland, Mich
*Kay-Fries Chem, 180 Madison Ave, N Y 16

METHYL CYCLOHEXANE

C_7H_{14}. M.W. 98.18. Water-white (less than 20 Hazen) liquid, 95% distilling within 2.0°C.; boiling range, 100.0-103.0°C. Leaves no residue on evaporation, and has no acidity. Water content less than 0.2%; Sp. gr. at 25/4°C., 0.763-0.766. Flash point, less than 10°F. Produced by hydrogenating toluol. Used as a solvent for many oils, fats, waxes and other materials, such as crude rubber, bitumen, and ethyl cellulose. May also be used as a degreasing solvent. Lbs. per gal., 6.4.

*Dow Chem Co, Midland, Mich
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

METHYL CYCLOHEXANOL (Hexahydrocresol)

($C_6H_{10}CH_3OH$). M.W. 114.11. Colorless, non-explosive, slightly toxic liq. Pounds per gal. 7.75. Sp. gr. 0.930; refract. index 1.455-1.465. B.P. 170-190°C. Flash Point 68°C. Sol. in all organic solvents. Uses—as a plasticizer; solvent for paints, lacquers.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American Firstoline Corp, 420 Lexington Ave, N Y
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y

METHYL CYCLOHEXANONE

($CH_3C_6H_9O$). Water-white to very pale yellow liq., with odor resembling acetone. Pounds per gal. 7.70. Sp. gr. 0.925; refract. index 1.440-1.450. B.P. 160-170°C. Flash Point 53°C. Sol. water up to 3%; sol. organic solvents; non-toxic. Uses—solvent for nitrocellulose, rubber, ester gum, Kauri, phenol formaldehyde resins, glyptals, Rezyls and other resins. Specially recommended for crystallizing lacquers.

American Firstoline Corp, 420 Lexington Ave, N Y
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y

METHYL CYCLOPENTANE

$C_6H_{12}CH_3$. M.W. 84.16. Colorless liq. Uses—chem synthesis. L. B.P. 72° at 742 mm. Insol. water; sol. ether.

*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

METHYL DICHLOROSTEARATE

Approx. formula, $C_{17}H_{33}Cl_2COOCH_3$. M.W. 367. Light yellow oily liquid; slightly fatty odor. Uses—addition agent for lubricants; chemical intermediate; plasticizer for coating materials where high temperature stability is not essential.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y

METHYL DIETHANOLAMINE

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

METHYL DIOXOLANE

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

METHYLENEDIMETHYL ESTER see Methylal

METHYL ESTER OF TALL OIL

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill

METHYL ETHER OF DIETHYLENE GLYCOL

$CH_3O(CH_2CH_2OH)_2$. Colorless, odorless liq., completely miscible with water. B.P. 124.3°C. Sp. gr. .9660 at 20°/20°C. Uses—lacquer solvent and thinner, dye solvent, dye leveling agent in the dyeing of leather, sealing of moisture-proof wrapping materials, preparation of non-aqueous wood stains.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich

METHYL ETHER OF ETHYLENE GLYCOL

$CH_3OCH_2CH_2OH$. Colorless odorless liq., completely miscible with water. B.P. 124.3°C. Sp. gr. .9660 at 20°/20°C. Uses—lacquer solvent and thinner, dye solvent, dye leveling agent in the dyeing of leather, sealing of moisture-proof wrapping materials, preparation of non-aqueous wood stains.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich

METHYLETHYLCARBINOL DIBUTANOL see sec.-Alcohol, Butyl

METHYL ETHYL KETONE

Much lower evaporation rate than acetone, which reduces fire hazards and handling losses. Clear, colorless liquid belonging to the medium boiling solvents. Used in the manufacture of nitrocellulose cements, artificial leathers, fabric coatings, photographic film, varnish and lacquer removers, and cleaning liquids; as a solvent for dewaxing lubricating oils, vinyl resins, cellulose acetate, and synthetic rubbers.

ENJAY

ENJAY COMPANY, INC.
15 West 51st St.
New York 19, N. Y.
Write or phone for further information

METHYL ETHYLENE GLYCOL see Propylene Glycol

METHYL ETHYL KETONE

$CH_3COC_2H_5$. Colorless liq., acetone-like odor. Sp. gr. 0.808. B.P. 79.6°C. Sol. water, alcohol, ether. Uses—mfr. intermediate chemicals, dimethylglyoxime, smokeless powd.; general solvent in place of acetone. Grades —C.P.; tech.

J C Ackerman Co, Penn-Lincoln Hotel, Pittsburgh 21, Pa
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
American Mineral Spirits Co, 155 E 44 St, N Y 17
W W Angus, 220 Broadway, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
F M Browning Co, 150 Broadway, N Y 38
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Castle Color & Chem Co, 24 W 40 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y 16
Chemstar Inc, Exchange Pl, N Y 5
Cole Labs, 42-25 9 St, L I C 1, N Y
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*Enjay Co, 15 W 51 St, N Y 19
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Wm S Gray & Co, 342 Madison Ave, N Y 17
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Howe & French, Mfg Dept, E Weymouth, Mass
Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Leliarts Lane, E Paterson, N J
Legion Chem, 70 Wall St, N Y 5
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 7, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Chas Page & Co, 50 E 42 St, N Y 17
Plastichemicals Co, 1 Beekman St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
*Shell Chem Corp, 50 W 50 St, N Y 20
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
J U Starkweather Co, 241 Allens Ave, Providence, R I
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
George Uhe Co, 76 9 Ave, N Y 14
*U S Industrial Chem, 60 E 42 St, N Y
United Sterling Corp, 37 E 28 St, N Y

*Company classifies itself as manufacturer or producer of this product

acrylic and methacrylic { monomers, polymers, co-polymers

special formulations for unusual applications including special monomers not commercially available or available from usual sources

to your specifications { composition, molecular weight, particle size, solvent resistance, heat resistance, color stability, other physical properties

Wallace A. Erickson & Co. specialize in the manufacture of high quality plastics specially formulated for unusual applications . . . including denture, liner, repair, study model, filling, tray, impression, and orthodontic appliance plastics for the dental field . . . plastics for the hearing-aid field . . . auto-polymerizing (fast- or self-curing) acrylics that require no heat or pressure . . . and methacrylates with composition, molecular weight, particle size, solvent resistance, heat resistance, color stability, or other physical properties adapted to a specific use.

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WALLACE A. ERICKSON & CO.

838 North Wells Street, Chicago 10, Illinois

ACRYLIC MONOMERS *from Rohm & Haas*

ACRYLATE ESTERS

CH_2=CHCOOR
Methyl acrylate
Ethyl acrylate
n-Butyl acrylate*
Isobutyl acrylate*
2-Ethylhexyl acrylate*
n-Octyl acrylate*

ACIDS

Acrylic acid* (60% aqueous solution)
Methacrylic acid (90% aqueous solution)

METHACRYLATE ESTERS

CH_2=C(CH$_3$)—COOR
Methyl methacrylate
Ethyl methacrylate
n-Butyl methacrylate
n-Hexyl methacrylate
n-Octyl methacrylate
n-Lauryl methacrylate

*Acrylic acid, n-butyl acrylate, isobutyl acrylate, 2-ethylhexyl acrylate and n-octyl acrylate are development products produced in pilot plant quantities. The other monomers are produced in commercial quantities.

For a technical bulletin, as well as samples and prices, write Rohm & Haas Company, Dept. BG, Washington Square, Philadelphia 5, Pa.

METHYLETHYL METHANE see Butane

METHYL ETHYNYL CARBINOL see 3-Butyn-2-ol

METHYL FORMATE (Methyl Formic Acid Ester)

$C_2H_4O_2$. M.W. 60.1. Colorless liq. Sp. gr. 0.973. M.P. —100°C. B.P. 32°C. Sol. water, alcohol, ether. Uses—in organic synthesis; fumigation products.

*American-British Chem Supplies, 180 Madison Ave, N Y
*Ford Motor Co, Iron Mt, Mich
*Kay-Fries Chem, 180 Madison Ave, N Y 16
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

METHYL HEPTINE CARBONATE

$C_9H_{14}O_3$. M.W. 154.11. An ester, $Me(CH_2)_4C{:}C.COOMe$, from the ricinoleic acid of castor oil. Insol. water. Used in perfumery.

Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Geo Lueders & Co, 427 Washington St, N Y 13
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

METHYL-HEXANE see Heptane

METHYLHEXANONE see Methyl Hexyl Ketone

METHYL HEXYL CARBINOL see Alcohol, Octyl (Normal, Secondary)

METHYL HEXYL KETONE (Methylhexanone, Hexylmethyl Ketone)

$CH_3CO(CH_2)_5CH_3$. Pure, water-white liq., pleasant odor, insol. water, sol. alcohol, hydrocarbons, esters, etc. Sp. gr. 0.81 (25°C.); distil. range 166-173°C. Uses—mfr. perfumes, synthesis perfume materials, as in anti-blushing agent for nitrocellulose lacquers.

Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Polak & Schwartz, 667 Washington St, N Y 14
*Verona Chem Co, 26 Verona Ave, Newark, N J

METHYL HYDROQUINONE

Philipp Bros Chem, 37 Wall St, N Y
*Tennessee Eastman Co, 10 E 40 St, N Y 16

METHYL HYDROXIDE see Methanol

METHYLHYDROXYBENZINE see Guaiacol, Liquid

METHYL p-HYDROXY BENZOATE

$HOC_6H_4CO_2.CH_3$. White, cryst. powd., odorless, practically tasteless, non-toxic. M.P. 126°C. Sol. in boiling water approx. 1-20; in water at 20° 1-400. Uses—as a general preservative and anti-oxidant, especially in the cosmetic and drug fields.

Philipp Bauer Co, 2 W 47 St, N Y
*Goldschmidt Chem Corp, 153 Waverly Pl, N Y 14
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Polychem Co, 494 Hunts Point Ave, N Y 59
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

2-METHYL-3-HYDROXY-4,5-DI-(HYDROXY-METHYL)-PYRIDINE HYDROCHLORIDE see Vitamin B$_6$

METHYL HYDROXY ISOBUTYRATE

*Rohm & Haas Co, Washington Sq, Phila 5, Pa

METHYLHYDROXYISOPROPYL BENZENE see Thymol

METHYL IODIDE (Iodomethane)

CH_3I. Colorless liq. B.P. 42.5°C. Sp. gr. 2.279. Insol. water; sol. alcohol, ether. Uses—methylating agent, organic synthesis, pharmaceuticals. Grades—C.P.; tech.

*Algo Chem Co, 1027 S Deacon St, Detroit, Mich
*Edwal Labs, Ringwood, Ill
Lack Chem Co, 19 Park Pl, N Y 7
*Matheson Co, Paragon Div, E Rutherford, N J
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
*Reade Mfg Co, 135 Hoboken Ave, Jersey City 2, N J

METHYL IONONE

$C_{14}H_{22}O$. M.W. 206. Yellow liquid. B.P. 140-150° C. at 22 mm. Uses—perfume formulations; soaps; cosmetics.

Dodge & Olcott, 180 Varick St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Geo Lueders & Co, 427 Washington St, N Y 13
*Maywood Chem Works, Maywood, N J
Polak & Schwartz, 667 Washington St, N Y 14
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

METHYL ISOBUTYL CARBINOL (4-Methyl, 2-Pentanol)

$(CH_3)_2CHCH_2CHOHCH_3$. Water-white liquid soluble in alcohol, hydrocarbons and most organic liquids. Solubility in water 1.73% at more than .05% calc. as acetic acid. F.P. 46°C. Uses—lacquers, mutual solvent, preparation synthtic resins. Grades—tech.

C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
L J & M La Place, Leliarts Lane, E Paterson, N J
Republic Chem Corp, 94 Beekman St, N Y 38
*Shell Chem Corp, 50 W 50 St, N Y 20
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

METHYL ISOBUTYL CARBINOL ACETATE see Methyl Amyl Acetate

METHYL ISOBUTYL CARBINOL ACETATE, continued

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Castle Color & Chem Co, 24 W 45 St, N Y 17
Chematar Inc, Exchange Pl, N Y 5
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Faliek Products Co, 163 Broadway, N Y 6
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Leliarts Lane, E Paterson, N J
Mutchler Chem Co, 258 Broadway, N Y 7
Philipp Bros Chem, 37 Wall St, N Y
Plastichemicals Co, 1 Beekman St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
*Shell Chem Corp, 50 W 50 St, N Y 20
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
United Sterling Corp, 37 E 28 St, N Y

METHYL ISOBUTYL KETONE see Hexone

METHYL ISOPROPYL KETONE

Chematar Inc, Exchange Pl, N Y 5
Cliffs Dow Chem Co, Wright St, Marquette, Mich
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
L J & M La Place, Leliarts Lane, E Paterson, N J

METHYLACETYL see Acetone

METHYL LAURATE

$CH_3(CH_2)_{10}CO_2CH_3$. M.W. 214.34 Liquid. B.P. 148°C. at 18 mm. Insol. water.

Amplex Co, 60 Wall St, N Y
W W Angus, 220 Broadway, N Y
*El Dorado Oil Works, 311 California Ave, San Francisco 4, Cal
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa

METHYLENE BICHLORIDE see Methylene Chloride

METHYLENE DICYANIDE see Malononitrile

METHYL-ISOPROPYLBENZENE see Cymene

METHYLENEDIMETHYLATE see Methylal

METHYL MAGNESIUM IODIDE

*Arapahoe Chem, 2800 Pearl St, Boulder, Col

METHYL MERCAPTAN (Methane Thiol)

CH_3SH. M.W. 48.09. Colorless liquid or gas. M.P. —123°C. B.P. 7.6°C. Sol. alcohol.

Matheson Co, Paragon Div, E Rutherford, N J
*Union Oil Co of Cal, 617 W 7 St, Los Angeles 17, Cal
Universal Mfg Co, P O Box 2427, Houston 1, Tex

METHYL METHACRYLATE (Monomer) (Monomeric Liquid, Acrylic Liquid)

CH_2=C(CH$_3$)—COOCH$_3$. Water-clear liquid. B.P. 100.5°C. Sp. gr. 0.950. Refractive index 1.417. Viscosity @ 25°C. 0.59. Uses—plastics.

A Bamberger Corp, 703 Bedford Ave, Bklyn 6, N Y
*E I Du Pont de Nemours & Co, Polychemicals Dept, Wilmington, Del
Wallace A Erickson & Co, 842 N Wells St, Chicago 14, Ill
*Peters Chem Mfg Co, 3623 Lake St, Melrose Park, Ill
*Rohm & Haas Co, Washington Sq, Phila 5, Pa

METHYL METHACRYLATE (Polymer)

*American Molding Powder & Chem Corp, 703 Bedford Ave, Bklyn 6, N Y
A Bamberger Corp, 703 Bedford Ave, Bklyn 6, N Y
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Monomer-Polymer, 511 Lancaster St, Leominster, Mass
*Peters Chem Mfg Co, 3623 Lake St, Melrose Park, Ill
Plastichemicals Co, 1 Beekman St, N Y 38
*Rohm & Haas Co, Washington Sq, Phila 5, Pa

METHYL MONOBROMOACETATE

$BrCH_2COOCH_3$. M.W. 153. Colorless to straw-colored liquid. Completely miscible in acetone, benzene, carbon tetrachloride, ether, methanol; sol. n-heptane; slightly sol. water. Uses—as a lachrymator; in organic syntheses.

*Dow Chem Co, Midland, Mich
*Wallace A Erickson & Co, 842 N Wells St, Chicago 14, Ill

n-METHYL MORPHOLINE

$C_5H_4OC_2H_4NCH_3$. M.W. 101.15. B.P. 115.4. Complete sol. water. Uses—reactive solvent and catalyst; stabilizer.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

METHYL MYRISTATE

$CH_3(CH_2)_{13}CO_2CH_3$. M.W. 242.3. M.P. 18-9°C.

Amplex Co, 60 Wall St, N Y
*El Dorado Oil Works, 311 California Ave, San Francisco 4, Cal
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa

a-METHYL NAPHTHALENE

$C_{10}H_7CH_3$. M.W. 142. Colorless liquid. Insol. water; sol. most common organic solvents. Uses—primary reference fuel in standardization of Diesel engine fuels; organic synthesis.

*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa

b-METHYL NAPHTHALENE

$C_{10}H_7(CH_3)$. M.W. 142.19. White, monoclinic crystals. M.P. 35-36°C. Insol. in water, but readily sol. in organic solvents. Uses—intermediate in mfr. dyestuffs, insecticides; in molten form, as solvent for high molecular-weight compounds, insol. in other media.

*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa

2-METHYL-1,4-NAPHTHOQUINONE see Vitamin K

METHYL NAPHTHYL KETONE

*Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Geo Lueders & Co, 427 Washington St, N Y 13
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

METHYL NONYL KETONE

Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Verona Chem Co, 26 Verona Ave, Newark, N J

METHYL OLEATE

Orange-colored ester, faint fatty odor. Sp. gr. at 28°C., 0.866; dist. range (15 mm.), 200-215°C. Freezing P., below 0°C. Acidity, 4.6-5.3% free fatty acid (equal to about 10.6 mg. KOH per g.). Insol. in water; sol. in oils and organic solvents. Uses—plasticizer; mfr. cleaning and polishing compounds, molding lubricants; softener for leather, rubber, waxes, and resins; varnish remover; dye carrier.

*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

METHYL ORANGE (Orange III, Gold Orange, Tropaeolin D, Sodium p-Dimethyl-Amino-Azo-Benzine-Sulfonate, Helianthin)

$C_{14}H_{14}O_3N_3SNa$. M.W. 327.3. Orange-yellow powder or crystalline scales. Uses—biological stain; pH indicator - pH range 3.0 (red) to 4.4 (yellow); titrimetric indicator in inorganic volumetric analysis.

J T Baker Chem Co, Phillipsburg, N J
Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa

METHYL OXIDE see Ether, Dimethyl

METHYL PENTACHLOR STEARATE

$C_{17}H_{30}Cl_3COOCH_3$. M.W. 470.7. Clear yellow to deep, reddish-brown. Insol. water; sol. hydrocarbons. Use—pl.sticizer.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y

2-METHYL-2, 4-PENTANEDIOL

$CH_3C(CH_3)OHCH_2CH_2OHCH_3$. M.W. 118.17. Uses—coupling agent in making single phase mixtures of water, petroleum naphtha, coal-tar hydrocarbons, castor oil, and the common organic ketones and esters; stabilizing agent in various emulsions.

*Shell Chem Corp, 50 W 50 St, N Y 20

METHYL PENTANES

Colorless liquid used as a selective solvent.

*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

4-METHYL, 2-PENTANOL see Methyl Isobutyl Carbinol

m-METHYLPHENOL see m-Cresol

o-METHYL PHENOL see o-Cresol

METHYL PHENOL see Acid, Cresylic

METHYL PHENYL ACETATE

$C_6H_5.CH_2.CO_2CH_3$. M.W. 150.17. Liquid of honey-like odor. Sp. gr. 1.044 at 16°C. B.P. 220°C. Insol. water. Sol. alcohol, ether. Uses—in perfumery.

*American-British Chem Supplies, 180 Madison Ave, N Y
Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Kane & Ingram, 43 W 16 St, N Y 11
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Kay-Fries Chem, 180 Madison Ave, N Y 16
*Maywood Chem Works, Maywood, N J
*Trubek Labs, State Hway Rt 17, E Rutherford, N J
*Verona Chem Co, 26 Verona Ave, Newark, N J

METHYL PHENYL CARBINOL (Methyl Benzyl Alcohol; 1-Phenylethanol)

$C_6H_5CH(CH_3)OH$. M.W. 122.16. Colorless liquid. Density 1.013 at 20/4°C. B.P. 205°C.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Dodge & Olcott, 180 Varick St, N Y 14
*Dow Chem Co, Midland, Mich
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Verona Chem Co, 26 Verona Ave, Newark, N J

METHYL PHENYL CARBINOL ACETATE

$C_6H_5CH(CH_3)OCOCH_3$. a. Phenyl ethyl acetate, Phenyl-methyl carbinyl acetate, Styrallyl acetate. Clear, colorless liquid with a gardenia type odor. Sp. gr. 1.024 at 25/25°C. Ref. index, 1.493 at 25°C. Completely miscible with alcohol and methanol, and practically insoluble in water at 25°C. Use—in perfume.

Dodge & Olcott, 180 Varick St, N Y 14
*Dow Chem Co, Midland, Mich
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

METHYL PHENYLCINCHONINATE see Cinchophen Methyl Ester

N-METHYL-b-PHENYLISOPROPYLAMINE see Desoxyephedrine

METHYL PHTHALATE see Dimethyl Phthalate

METHYLPROCATECHIN see Guaiacol, Liquid

2-METHYL-PROPENE-1 see Isobutylene

p-METHYLPROPYLBENZENE see Cymene

METHYL-PROPYL CARBINOL see Alcohol, sec.-Amyl

METHYL PROPYL KETONE (Acetylpropane, 2-Pentanone)

$C_5H_{10}O$. M.W. 86. Sp. gr. 0.809/20°/20°C. B.P. 101.7°C. Water white, dist. range more than 90% between 100-103°C. Uses—as a solvent, as a substitute for diethylketone.

*U S Industrial Chem, 60 E 42 St, N Y

METHYLPROPYLPHENOL see Thymol

METHYLPROTOCATECHUIC ALDEHYDE see Vanillin

KAY-FRIES

METHYL PHENYLACETATE
METHYL CYANOACETATE
DIMETHYL PHTHALATE
TRIMETHYL ORTHOFORMATE
METHYL DICHLOROACETATE

AROMATIC CHEMICALS

amyl cinnamic aldehyde
benzyl acetate
benzyl alcohol
benzyl benzoate
benzophenone
diethyl phthalate
dimethyl phthalate
phenyl ethyl alcohol
phenyl ethyl acetate
ethyl phenylacetate
methyl phenylacetate
methyl acetophenone
nerolin
yara-yara

formaldehyde

PHARMACEUTICALS & INTERMEDIATES

benzyl cyanide
cyanoacetamide
cyanoacetic acid
ethyl cyanoacetate
methyl cyanoacetate
methyl dichloroacetate
diphenylacetic acid
o-hydroxy acetophenone
methyl formate
ethyl formate
benzophenone
triethyl orthoformate
trimethyl orthoformate
phenobarbital
phenylacetic acid
phenylacetic acid esters
phenylacetamide
potassium phenylacetate
sodium phenylacetate

PLASTICIZERS

diethyl phthalate
dimethyl phthalate
dibutyl phthalate
triacetin
special plasticizers

American-British Chemical Supplies, Inc.
180 Madison Avenue
New York 16, New York

KAY FRIES CHEMICALS INC.

*Company classifies itself as manufacturer or producer of this product

MONSANTO
METHYL SALICYLATE, U.S.P.

Specifications: Clear, colorless liquid; approx. 100% min.; solubility in 70% ethyl alcohol (1:7), complete; solubility in N KOH (1:10), complete; sp. g. 25 at 25°C., 1.180-1.185; U.S.P. test for heavy metals—negative. Weight per gallon 9.9 lbs. Free sample, 4 oz.

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division
St. Louis 4, Mo.

SERVING INDUSTRY . . . WHICH SERVES MANKIND

MONSANTO
CHEMICALS – PLASTICS

BELLE
★
METHYLENE CHLORIDE
METHYL CHLORIDE
MURIATIC ACID
CHLOROFORM
★



PURE AS THE MOUNTAIN AIR
PRODUCTS MANUFACTURED BY
BELLE ALKALI COMPANY
BELLE, WEST VIRGINIA

METHYL RICINOLEATE

$C_6H_{13}CHOH\text{-}CH_2CH{=}CH(CH_2)_7COOCH_3$. M.W. 312. Clear, bright, low viscosity fluid. Uses—plasticizer; lubricant; cutting oil additive; wetting agent.

*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

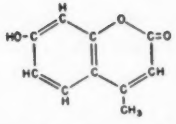
METHYL SALICYLATE (Synthetic Oil of Wintergreen, Synthetic Gaultheria Oil, Wintergreen, Oil of Wintergreen, Methylic Salicylas)

$C_6H_4.OH.COOCH_3$. M.W. 152.1. Colorless liquid with wintergreen odor. Sp. gr. 1.186-1.191. B.P. 219-225° C. M.P. —8.5°C. Sol. in 70% alcohol. Ester Value 369.3. Refractive Index 1.536-1.538. Made by heating methyl alcohol and silicylic acid in presence of sulfuric. Uses—as flavoring agent in extracts, candies, dentifrices, antiseptics, in soaps, disinfectants, etc. Grades—U.S.P.; tech.

J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Conray Products, 510 6 Ave, N Y 11
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Dow Chem Co, Midland, Mich
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Gane & Ingram, 43 W 16 St, N Y 11
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Givaudan-Delawanna, 330 W 42 St, N Y 18
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
Geo Lueders & Co, 427 Washington St, N Y 13
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*S B Penick & Co, 50 Church St, N Y 7
Republic Chem Corp, 94 Beekman St, N Y 38
H C Ryland, 161 Water St, N Y 38
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Verona Chem Co, 26 Verona Ave, Newark, N J
O J Weeks Co, 16 Hudson St, N Y 13

METHYL SULFATE see Dimethyl Sulfate

KOPPERS
beta-METHYL UMBELLIFERONE



USES: Its blue fluorescence is used to mask the yellow tints of soaps, waxes, plastics and synthetic fibers. Also used as an intermediate in organic syntheses, and as a screening agent in sun-tan lotions.

KOPPERS COMPANY, INC.
Chemical Division
PITTSBURGH 19, PA.
KOPPERS

METHYL STEARATE

$C_{17}H_{33}CO_2CH_3$. M.W. 298.30. Colorless crystals. M.P. 38.39°C. Insol. water, sol. alcohol, ether.

W W Angus, 220 Broadway, N Y
*Celanese Corp of America, 180 Madison Ave, N Y
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

a-METHYL STYRENE

*Dow Chem Co, Midland, Mich

METHYL p-TOLUENESULFONATE

$CH_3OSO_2C_6H_4CH_3$. M.W. 186.2. White to slightly colored liq. or crystals. Uses—Methylating agent.

*Verona Chem Co, 26 Verona Ave, Newark, N J

METHYLTOLUIDINES see Xylidines (Mixed)

METHYL-TRIMETHYLOL METHANE see Trimethylolethane

b-METHYL UMBILLIFERONE

$C_{10}H_8O_3$. M.W. 176.2. M.P. 186-187°C. Sol. alkalis; slightly sol. ethanol; insol. water, ether, chloroform. Uses—optical bleach or whitening agent for soaps and soap products; screening agent for ultraviolet radiation; organic intermediate.

*Carlisle Chem Works, West St, Reading 15, Ohio
*Fiber Chem Corp, Box 218, Matawan, N J
Harwick Standard Chem Co, 60 S Selberling St, Akron 5, Ohio
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa

METHYL UREA

$CH_3NHCONH_2$. M.W. 74.1. Solid. M.P. 101-102°C. Very sol. water, alcohol; insol. ether.

*Sharples Chem, 123 S Broad St, Phila 9, Pa

METHYL VIOLET (Crystal Violet, Pyoktanin Blue)

Mixtures of the hydrochlorides of pentamethyl-p-rosaniline and hexamethyl-p-rosaniline. Dark-green crystals. Sol. alcohol, water. Uses—indicator, as a dye.

Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Calco Chem Div, Bound Brook, N J
*Ciba Co, 627 Greenwich St, N Y 14
City Chem Corp, 132 W 22 St, N Y 11
*E I Du Pont de Nemours & Co, 111 Sutter St, San Francisco, Cal
*Dye Specialties Corp, 924 Bergen Ave, Jersey City 6, N J
Gen Dyestuff Corp, 435 Hudson St, N Y 14
L & R Organic Products & Co, 50 White St, N Y 13
L J & M La Place, Lellarts Lane, E Paterson, N J
*National Aniline Div, 40 Rector St, N Y 6
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Standard Ultramarine Co, 5 Ave & 24 St, Huntington, W Va

METHYLAL (Methylenedimethyl Ester, Formal, Dimethoxymethane, Methylenedimethylate)

$CH_2(OCH_3)_2$. M.W. 76.08. Colorl., clear, volatile liquid. Chlorof. odor, pungent taste. Sol. water, alcohol, ether, oils. B.P. 42°C. Uses—in perfumery for extracting odors, medicine, dewaxing lubricating oils, extracting soybean oil, solvent.

*Celanese Corp of America, 180 Madison Ave, N Y 16
Harwick Standard Chem Co, 60 S Selberling St, Akron, Ohio
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

2-METHYLAMINO-1-PHENYLPROPANE see Desoxyephedrine

N-METHYLAMPHETAMINE see Desoxyephedrine

METHYLENE BLUE (Methylthionine Chloride, Tetramethylamidophenthiaznium, Tetramethylthioninchlorhydrate)

$C_{16}H_{18}N_3SCl3H_2O$. Tech. product is zinc chloride, double salt of tetramethylthionine. $(C_{16}H_{18}N_3SCl)_2.ZnCl_2H_2O$. Dark-green, amorp. cryst. or powd. Sol. water, alcohol, chloroform. Uses—stain in bacteriology; dyeing and printing textiles; laboratory reagent; in medicine. Grades—U.S.P.; tech.

American Roland Corp, 16 Hudson St, N Y
J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
*Calco Chem Div, Bound Brook, N J
Conray Products, 510 6 Ave, N Y 11
*Dye Specialties Corp, 924 Bergen Ave, Jersey City 6, N J
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Gen Dyestuff Corp, 435 Hudson St, N Y 14
L & R Organic Products & Co, 50 White St, N Y 13

*Company classifies itself as manufacturer or producer of this product

METHYLENE BLUE, continued

*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*National Aniline Div, 40 Rector St, N Y 6
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

METHYLENE BROMIDE (Dibromomethane)

CH_2Br_2. M.W. 173.85. Colorless to yellowish liquid. Uses—organic synthesis, solvent, heavy liquid.

*Dow Chem Co, Midland, Mich
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Republic Chem Corp, 94 Beekman St, N Y 38

METHYLENE CHLORIDE (Dichloromethane, Methylene Bichloride, Carrene)

CH_2Cl_2. Colorless, non-inflam. liq. M.W. 84.930. Sp. gr. 1.336 (24°/4°C.). B.P. 39.8°C. Pounds/gal. 11.13. Sol. alcohol, ether. F.P. —96.7°C. V.D. (15°C.). lbs./cu. ft. 0.224. Latent heat of vap., B.T.U./lb. 135.5. S.H., Cal./Kg./°C. or B.T.U. /lb. /°F. 0.289 (15-40°C.). Miscible alcohol, ether, slightly sol. in water. Uses—mfr. intermediates, organic chemicals, synth. dyes, drugs and perfumes, lacquers; in medicine. Refrigerant; biological preservative. Degreasing and spotting agent. A solvent for dewaxing lubricating oils. Grades—tech.

Adams-Henry Chem Co, 32 Broadway, N Y 4
American Firstoline Corp, 420 Lexington Ave, N Y
American Mineral Spirits Co, 155 E 44 St, N Y 17
Amsco Solvents & Chem Co, 4619 Reading Road, Cincinnati 29, Ohio
Barclay Chem Co, 75 Varick St, N Y
*Belle Alkali Co, P O Box 615, Belle, W Va
James V Bibbo Co, 110 Washington St, N Y 6
John A Chew, 60 E 42 St, N Y 17
Dakoline Chem Co, 357 Atlantic Ave, Bklyn, N Y
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Kingston Chem Co, 15 William St, N Y 5
Matheson Co, Paragon Div, E Rutherford, N J
Mutchler Chem Co, 258 Broadway, N Y 7
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill

METHYLENEDIPHENYL see Diphenyl Methane

METHYLENE IODIDE (Di-Iodomethane)

CH_2I_2. M.W. 267.86. Yellow to brownish, very refractive liquid. Use—separation of mixtures of minerals.

Amend Drug & Chem Corp, 117-119 E 24 St, N Y
*Edcan Labs, 10-20 Pine St, S Norwalk, Conn
*National Biochemical Co, 3106 W Lake St, Chicago 12, Ill

METHYLENE OXIDE see Formaldehyde

METHYLIC SALICYLAS see Methyl Salicylate

METHYLISOBUTENYLKETONE see Mesityl Oxide

METHYLTHIONINE CHLORIDE see Methylene Blue

MESOXYALLYLUREA see Alloxan

MEXICO SEED see Castor Bean

MICA (Muscovite, Laminated Talc)

Native hydrous silicates. Crystalline. Sp. gr. 2.9. Decomposes on heating. Uses—mfr. lubricants, stove doors, ornamental tile, paints, textiles; as electrical insulator; oil-cloth and rubber filler; annealing steel. Grades—commercial.

American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*Ashville Mica Co, P O Box 318, Newport News, Va
Barclay Chem Co, 75 Varick St, N Y
Alfred D Brown Associates, 59 Pearl St, N Y 4
Colony Import & Export Corp, 11 E 44 St, N Y 17
Dalton-Cooper, 200 W 34 St, N Y
Hal Delphin & Co, 880 Bergen Ave, Jersey City 6, N J
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*English Mica Co, Sterling Bldg, Stamford, Conn
Fleischman, Burd & Co, 22 W 48 St, N Y 19
*Franklin Mineral Products Co, P O Box 28, Franklin, N C
*Gen Elec, Pittsfield, Mass
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
R B Huber, 216 Tremont St, Boston 16, Mass
*Metallurg Inc, 100 Park Ave, N Y 17
*Carl F Miller & Co, 1217 6 Ave S, Seattle, Wash
Palmer Supplies Co, 8905 Lake Ave, Cleveland 2, Ohio
F D Pitts Co, 85 Chestnut Hill Rd, Newton 67, Mass

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G-4 is the effective mildew- and rot-proofing compound... non-toxic and non-irritating... economical... stable... meets many U. S. Government specifications for mildewcide.

SINDAR® Corporation
Industrial Aromatics and Chemicals
330 West 42nd Street, New York 18, N. Y.
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MICA, continued

*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Rubber Asphalt Oil & Mining Corp, 1833 Marney Ave, Los Angeles 32, Cal
John M H Shine Co, 342 Madison Ave, N Y 17
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Southern Mica Co, 88 Steel St, Johnson City, Tenn
Stein, Hall & Co, 285 Madison Ave, N Y 17
*U S Mica Co, Jordan Ave & Van Dyke St, E Rutherford, N J
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
Wah-Chang Corp, 233 Broadway, N Y 7
Robert I Webber Co, 52 Vanderbilt Ave, N Y 17
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
Witco Chem Co, 295 Madison Ave, N Y 17

MILDEW PREVENTIVES, TEXTILE

Specially formulated compounds containing both inorganic and organic inhibitors which prevent the growth of spores and of particular value on shower curtains, etc., where the material is subjected to heat, dampness, etc.

*Airose Chem Co, 180 Mill St, Cranston 5, R I
Antara Products Div, 435 Hudson St, N Y 14
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Buckman Labs, Memphis, Tenn
*Ciba Co, 627 Greenwich St, N Y 14
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
*Cuprinol Div, Simsbury, Conn
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Grasselli Chem Dept & Organic Chem Dept, Fine Chem Div, Wilmington, Del
*Edwal Labs, Ringwood, Ill
*Fiber Chem Corp, Box 218, Matawan, N J
*Kuehne Chem Co, Woodruff Lane, Elizabeth, N J
*Lindsay Light & Chem Co, 258 Ann St, W Chicago, Ill
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
M Michel & Co, 90 Broad St, N Y 4
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Ninol Labs, 1719 S Clinton St, Chicago 16, Ill
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
Prior Chem Corp, 420 Lexington Ave, N Y 17
*Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J
*Sandoz Chem Works, 61 Van Dam St, N Y 13
*Scientific Oil Compounding Co, 1637 S Kilbourn Ave, Chicago 23, Ill
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Sindar Corp, 330 W 42 St, N Y 18
*Wm M Stieh & Co, 20 Vesey St, N Y 7
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn
*Warwick Chem Co Div, Wood River Junction, R I
*Witco Chem Co, 295 Madison Ave, N Y 17

MILK OF SULFUR see Sulfur, Precipitated

CUPROTELA
(Cuprammonium Carbonate)
and
PROTELA SB
(Copper Ammonium Fluoride)

TYPES II and III
U.S. ARMY SPECIFICATION 100-17

Mildew-proofing Compounds

PRIOR CHEMICAL CORPORATION · NEW YORK
420 LEXINGTON AVENUE

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Exclusive Agents for
ALBI CHEMICAL CORP., N. Y.

MICA
WATERGROUND and MICRO

Mica—a flaky mineral filler for use in Plastics, Paints, Special Cements, Rubber and Asphalt Compounds where its particular properties such as thermal and electrical insulation, transparency, toughness, flexibility and chemical inertness are of value.

THE ENGLISH MICA CO.
STERLING BUILDING, STAMFORD, CONN.

*Company classifies itself as manufacturer or producer of this product

HERCULES



PLASTIC MOLDING POWDERS

Cellulose acetate and ethyl cellulose.



GM51-1

HERCULES POWDER COMPANY
978 Market St., Wilmington, Del.

MONOCHLOROBENZENE

Other Benzene Derivatives:

- Benzene Hexachloride
- Orthodichlorobenzene, Tech.
- Paradichlorobenzene
- 1, 2, 4, 5—Tetrachlorobenzene
- 1, 2, 4—Trichlorobenzene

HOOKER ELECTROCHEMICAL CO.
4715 Buffalo Ave., Niagara Falls, New York
New York, N. Y. - Tacoma, Wash. - Wilmington, Calif.

WRITE FOR GENERAL PRODUCTS LIST — HOOKER CHEMICALS

FOR LISTINGS OF OTHER PRODUCTS SEE AD IN CO. DIRECTORY SECTION

MILORI BLUE

Form of ferri-ferrocyanide. Contains gypsum, alum, barium sulfate or chalk. Uses—mfr. blue headed matches, laundry blue, lithographic and printing inks, lacquers, paints, varnishes, pigments; ingredient of fertilizer mixtures; coloring soap. Grades—tech.

Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Calco Chem Div, Bound Brook, N J
Stanley Doggett, 75 Varick St, N Y 13
*E I Du Pont de Nemours & Co, 111 Sutter St, San Francisco, Cal
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
*Filo Color & Chem Corp, 202 E 44 St, N Y
R B Huber, 216 Tremont St, Boston 16, Mass
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Mineral Pigments Corp, Muirkirk, Md
C J Osborn Co, 132 Nassau St, N Y
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Utility Color Co, 377-399 Frelinghuysen Ave, Newark, N J

MIMOSA BARK see Wattle Bark

MINERAL BLACK (Slate Black)

Natural. Solid. Made from heavy black slate. Use—as paint pigment. Grades—tech.

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Stanley Doggett, 75 Varick St, N Y 13
Georgia Peruvian Ochre Co, 165 Broadway, N Y 6
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
L J & M La Place, Leliarts Lane, E Paterson, N J
*Minerals Pigments Corp, Muirkirk, Md
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
*J Lee Smith & Co, 25 Ann St, N Y 38
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*C K Williams & Co, 640 N 13 St, Easton, Pa

MINERAL BUTTER see Antimony Chloride

MINERAL CARBON see Graphite

MINERAL FAT see Petrolatum

MINERAL GREEN see Copper Carbonate

MINERAL HAMBURG see Copper Carbonate, Blue

MINERAL PITCH see Asphaltum

MINERAL RUBBER (Elaterite, Glisonite)

Fossil resin resembling asphaltum. Found in England, France, Switzerland, etc. Dark-brown, solid amorp. Saponification No. 56. Acid No. 4.9. Uses—mfr. paints; flux for asphalts and rubber; ingredient of protective coatings.

American Quinine Co, 15 William St, N Y
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
Hird & Conner, 88 Broad St, Boston 10, Mass
*Kingston Chem Co, 15 William St, N Y 5
*Emil Klemm, 1946 S Main St, Salt Lake City, Utah
R T Vanderbilt Co, 230 Park Ave, N Y
*Wilson Carbon Co, 60 E 42 St, N Y 17
*Witco Chem Co, 295 Madison Ave, N Y 17

SALTS, MINING

Mixture of sodium bromate and bromide, containing about 43% bromate and about 57% bromide. Slightly pink powder or fine crystals. Uses—source of bromine for extracting gold, and for bromination of organicals. Grades—can be had also to buyer's specifications.

*Dow Chem Co, Midland, Mich

MINIMUM see Lead Oxide, Red

SALT, MOHR'S see Ferrous Ammonium Sulfate

MOLDING COMPOUNDS

*American Cyanamid Co, Plastics & Resins Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*Bakelite Co Div, 30 E 42 St, N Y 17
*Borden Co, 350 Madison Ave, N Y 17
*Dow Corning Corp, Midland, Mich
*Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
*Monsanto Chem Co, Springfield, Mass
Paul J Pauls, 7-9 Watchung Ave, Plainfield, N J

MOLDING COMPOUNDS, continued

*Shawinigan Products Corp, 350 5 Ave, N Y 1
*Tennessee Eastman Co, 10 E 40 St, N Y 16

MOLDING POWDERS, PLASTIC

Synthetic resins of various chemical composition, thermosetting by nature, which set permanently under heat and pressure in hardened steel molds to form various three-dimensional shapes. Supplied in black and also in wide variety of colors. Used in making thermometers, barometers, office-equipment cases, stove fittings, utensil handles, clock and radio cases, telephones, microphones, cameras, scales, trays, lamp-bases, display stands, containers, caps, novelties, ignition parts, wall plates, switches, automotive parts, bobbins, spools, etc.

*Acme Resin Corp, 1401 Circle Ave, Forest Park, Ill
*American Cyanamid Co, Plastics & Resins Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*American Molding Powder & Chem Co, 703 Bedford Ave, Bklyn 6, N Y
American Pyroxylin Corp, P O Box 193, Arlington, N J
A Bamberger Corp, 703 Bedford Ave, Bklyn 6, N Y
Leo Berberich, 198 Broadway, N Y 38
*Borden Co, 350 Madison Ave, N Y 17
*Catalin Corp of America, 1 Park Ave, N Y 16
*Ciba Co, 627 Greenwich St, N Y 14
*Dow Chem Co, Midland, Mich
*Dow Corning Corp, Midland, Mich
*E I Du Pont de Nemours & Co, Polychem Dept, Wilmington 98, Del
*Durez Plastics & Chem, 5 Walck Rd, N Tonowanda, N Y
*Gen Elec, Pittsfield, Mass
*Monsanto Chem Co, Plastics Div, Springfield, Mass
*Naugatuck Chem, Naugatuck, Conn
Alan D Oppenheimer, 578 Exchange St, Buffalo 10, N Y
Plastichemicals Co, 1 Beekman St, N Y 38
B Rauschkolb & Co, 225 W 34 St, N Y 1
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
Sessions-Gifford Co, 47 McGrath Hway, Somerville, Mass
*Shawinigan Products Corp, 350 5 Ave, N Y 1
*Tennessee Eastman Co, 10 E 40 St, N Y 16
*Watertown Mfg Co, 127 Echo Lake Rd, Watertown, Conn

MOLYBDENUM (Metal)

Mo. Dark gray-black powd. Sp. gr. 10.2. M.P. 2620° C. Uses—mfr. molybdenum steel.

*Fansteel Metallurgical Corp, 2200 Sheridan Rd, N Chicago, Ill

MOLYBDENUM ANHYDRIDE see Acid, Molybdic

MOLYBDENUM TRIOXIDE see Acid, Molybdic

MOLYBDIC ANHYDRIDE see Molybdic Oxide

MOLYBDIC OXIDE (Molybdic Trioxide, Molybdic Anhydride)

MoO_3. M.W. 144.0. Sp. gr. 4.5. White rhombic crystals. Sol. ammonia and alkalies. Uses—mfr. various molybdenum salts, molybdenum metal; used as a reducing agent and reagent for P_2O_5, As_2O_5, H_2O_2, aromatic oxycompounds, phenols and alcohols.

*Climax Molybdenum Co, 500 5 Ave, N Y 18
Prior Chem Corp, 420 Lexington Ave, N Y 17
*S W Shattuck Chem Co, 1805 S Bannock St, Denver, Col

MOLYBDIC TRIOXIDE see Molybdic Oxide

MONAZITE

Native phosphatic sand containing the rare earths, particular Ce, La, Th. Uses—mfr. cerium, thorium comps.; in certain alloys.

Lindsay Light & Chem Co, 258 Ann St, W Chicago, Ill
George F Smith, 60 E 42 St, N Y 17

MONOAMINO-MONOPHOSPHATIDE see Lecithin

MONOAMYL AMINE

*Sharples Chem, 123 S Broad St, Phila 9, Pa

MONOANHYDRO SORBITOL see Sorbitan

*Company classifies itself as manufacturer or producer of this product

MONOBENZYL SUCCINATE

*B L Lemke & Co, 199 Main St, Lodi, N J
*Seydel Chem Co, 225 Mercer St, Jersey City 2, N J

MONOBROMOBENZENE see Bromobenzene

MONOBROMOETHANE see Ethyl Bromide

MONOBROMONAPHTHALENE

*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

a-MONOBUTYLAMINE

$C_4H_9NH_2$. Uses—mfr. pharmaceuticals, dyes, rubber chemicals, emulsifying agents, de-sizing agents for textiles, butylated acid amides and other analogous organic compounds. Can be condensed with aldehydes, ketones, and oxides. Reacts with phosgene, chlorhydrins, and cyanic or thiocyanic acid derivatives.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Sharples Chem, 123 S Broad St, Phila 9, Pa

MONO-tert-BUTYL-m-CRESOL

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa

MONOCALCIUM PHOSPHATE, PRIMARY see Calcium Phosphate, Monobasic

MONOCHLOROBENZENE (Chlorobenzol, Benzene Chloride, Chlorbenzene, Chlorbenzol Phenyl Chloride)

C_6H_5Cl. Colorless liq. Sp. gr. 1.112 (15°C.). M.P. —45°C. B.P. 132°C. Sol. alcohol, benzene, chloroform, ether; insol. water. Uses—mfr. picric acid, phenol, military poison gases, sulfur blacks and browns, synth. perfumes, dinitrochlorobenzene, intermediates, drugs and dyes. Grades—tech.

American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
Chematar Inc, Exchange Pl, N Y 5
*Chem Products Corp, Cartersville, Ga
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Dow Chem Co, Midland, Mich
Fallek Products Co, 163 Broadway, N Y 6
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
McKesson & Robbins, 155 E 44 St, N Y 17
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Solvay Sales Div, 40 Rector St, N Y 6

MONOCHLORODIFLUOROMETHANE

$CHClF_2$. M.W. 86.5. Uses—refrigerant.

Ansul Chem Co, Marinette, Wis
*E I Du Pont de Nemours & Co, Organic Chem Dept, Kinetic Chem Div, Wilmington 98, Del
Matheson Co, Paragon Div, E Rutherford, N J

MONOCHLOROETHANE see Ethyl Chloride

a-MONOCHLOROHYDRIN (Chlorpropyleneglycol)

$CH_2Cl.CH(OH)CH_2(OH)$. Yellow, syrupy liq. Sp. gr. 1.328 (15°C.). Miscible water, alcohol, ether. Uses—mfr. intermediates; to lower freezing point of dynamite.

*Blos Labs, 17 W 60 St, N Y 23
Evans Chemetics, 250 E 43 St, N Y 17

a-MONOCHLOROPROPOLENE see Allyl Chloride

MONOCHLOROTOLUENE

C_7H_7Cl. M.W. 126.5. Sp. gr. 1.075 at 25/15°C. Boiling range 158.5-160°C. Chemically stable to water, alkalies and most acids below 100°C. Uses—chemical syntheses, solvent.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16

MONOETHANOLAMINE (2-Hydroxyethyl Amine Ethanolamine)

$(CH_2CH_2OH)NH_2$. Water-white liq. Sp. gr. 1.017 to 1.027 at 20/20°C., not less than 90% distilling between 165°C. and 173°C. Weight per gal., 8.6 lbs.

MONOETHANOLAMINE, continued

at 20°C. Completely soluble water, alcohol, most organic solvents. 1% solution has pH of 11.5. Uses—mfr. dyestuffs, pharmaceuticals, textile compounds; acid gas absorbent; preparation cosmetic creams, polishes, oil, wax, solvent emulsions; removal of carbon from aluminum pistons of airplane motors, electrolytic condensers, dry cleaning soaps, soluble oils, dispersing agent for casein and shellac; penetrant, softening and moistening agent; mfr. pharmaceuticals. Grades—tech.

American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Chem Service Corp, 82 Beaver St, N Y 5
Cole Labs, 42-25 9 St, L I C 1, N Y
*Dow Chem Co, Midland, Mich
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
International Selling Corp, 70 Pine St, N Y 5
Legion Chem, 70 Wall St, N Y 5
Mutchler Chem Co, 258 Broadway, N Y 7
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

MONOETHYL ACID o-PHOSPHATE see Ethyl Acid Phosphate

MONOETHYLAMINE

$C_2H_5NH_2$ (Anhydrous). M.W. 45.1 (anhydrous). Color—water-white. Sp. gr. at 20°/20°C. 0.79-0.80. Monoethylamine content at least 70%. Flash pt. below 0°F. Wt. per gal. 6.63 lbs. Uses—dyestuff intermediate.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Matheson Co, Paragon Div, E Rutherford, N J
Republic Chem Corp, 94 Beekman St, N Y 38
*Sharples Chem, 123 S Broad St, Phila 9, Pa

MONOETHYLANILINE (Ethylaniline)

$C_2H_5NHC_6H_5$. M.W. 121.09. Colorless liq. Sp. gr. 0.9631. M.P. —63.5°C. B.P. 204.7°C. Sol. alcohol. Uses—mfr. intermediate and organic chemicals, ethyl-benzylaniline, acid green, patent blue A, and other dyestuffs.

Barclay Chem Co, 75 Varick St, N Y
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
Kingston Chem Co, 15 William St, N Y 5

MONOIODOETHANE see Ethyl Iodide

MONOISOPROPANOLAMINE

$CH_3CH(OH)CH_2NH_2$. M.W. 75.08. Sol. water. Liquid with ammoniacal odor. Uses—in prep. of detergents, potential plasticizers, and insecticides.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich

MONOMERS see advertisements on page 342 and individual listings

MONOMETHYLAMINE

CH_3NH_2. Inflam. gas, strong ammoniacal odor. Boils at —6°C. to —5.5°C. at 768 mm. mercury. One vol. water at 25°C. dissolves 959 vols. monomethylamine. Highly reactive base. Product of high purity supplied in water solution of 25-30% concentration by weight. Uses—depilatory tanning industry; mfr. dyes, chemical compounds; in liq. form good solvent for many organic compounds.

Barclay Chem Co, 75 Varick St, N Y
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Matheson Co, Paragon Div, E Rutherford, N J
*Rohm & Haas Co, Washington Sq, Phila 5, Pa

MONOMETHYL p-AMINO PHENOL SULFATE

$(C_6H_4[OH]NHCH_3)_2H_2SO_4$. White crystalline powd. Decomposes at 260°C. Sol. water. Uses—mfr. motion picture films; dyeing hair and furs; as photographic developer. Grades—tech.; C.P.; photographic.

Philip A Hunt Co, Palisades Park, N J
Maas Chem Co, 4570 Ardine St, S Gate, Cal
Norman-Willets Co, 316 Washington St, Chicago 6, Ill
L B Russell Chem, 60 Orange St, Bloomfield, N J
Spring Chem, 239 E 141 St, N Y 51
*Verona Chem Co, 26 Verona Ave, Newark, N J
*Zinsser & Co, Railroad Ave, Hastings-On-Hudson, N Y

MONOMETHYLANILINE see Methyl Aniline

MONOSODIUM DICTHYLBARBITURATE see Sodium Barbital

JEFFERSON CHEMICAL COMPANY, INC.
711 FIFTH AVENUE
NEW YORK 22, N. Y.

ETHYLENE OXIDE
ETHYLENE GLYCOL
ETHYLENE DICHLORIDE
DIETHYLENE GLYCOL
MONOETHANOLAMINE
DIETHANOLAMINE
TRIETHANOLAMINE

Plant: Port Neches, Texas

MONOCHLOROTOLUENE

Other Toluene Derivatives:

- Benzal Chloride
- Benzoic Acid
- Benzoyl Chloride
- Benzyl Chloride
- Benzyl Thiocyanate
- Sodium Benzoate

HOOKER ELECTROCHEMICAL CO.
4715 Buffalo Ave., Niagara Falls, New York
New York, N. Y. - Tacoma, Wash. - Wilmington, Calif.

WRITE FOR GENERAL PRODUCTS LIST
HOOKER CHEMICALS

FOR LISTINGS OF OTHER PRODUCTS SEE AD IN CO. DIRECTORY SECTION

*Company classifies itself as manufacturer or producer of this product

MONOMERS

For Polymerizations
PRODUCTION
DEVELOPMENT
RESEARCH

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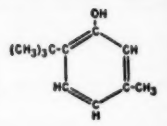
Acrylate Esters — Allyl Esters — Allyl Methacrylate — Acrylyl Chloride — Butyl Acrylate — Cross Linking Agents — Cyclohexyl Methacrylate — Diallyl Esters — Diallyl Maleate — Dental Monomers — Ethylene Glycol Dimethacrylate — Ethyleniminos — Methacrylic Anhydride — Methacrylate Esters — Methacrylyl Chloride — Methoxyethyl Methacrylate — Methyl Vinyl Ketone — Vinyl Esters — Vinyl Iodide — Vinyl Naphthalene — Vinyl Thiophene

•

Over 200 Monomers for Specialty Uses. Complete Laboratory and Plant Facilities For Custom Syntheses of Monomers And Polymers

MONOMER-POLYMER, INC.
511 Lancaster St., Leominster, Mass.

KOPPERS
MONO-tert-BUTYL-meta-CRESOL



KOPPERS COMPANY, INC.
Chemical Division
PITTSBURGH 19, PA.

USES: In the production of perfume fixatives such as musk ambrette, rubber and petroleum chemicals, modified phenolic resins and fine chemicals; also of value as a germicide for the formulation of disinfectants.

Users of Specialty Monomers

A SINGLE FOCAL POINT FOR YOUR NEEDS

Here's the service you have been waiting for — a company to act as a *single source of supply* for specialty monomers to be used for research and industry.

Glacial acrylic acid	2-Ethoxyethyl methacrylate
Glacial methacrylic acid	2-Ethoxyethyl acrylate
Diallyl maleate	Tetrahydrofurfuryl methacrylate
Diallyl oxalate	Vinyl benzoate
Diallyl succinate	Vinyl methacrylate
Diallyl fumarate	N-Vinyl phthalimide
Diallyl adipate	Allyl methacrylate
Cyclohexyl methacrylate	Ethylene glycol dimethacrylate

The above monomers are available in experimental quantities. Other monomers can be synthesized on request.

★ AMERICAN MONOMER CORPORATION ★

Leominster, Massachusetts

MONOSODIUM o-PHOSPHATE see Sodium Phosphate, Mono-Sodium

MONO-tert-BUTYL-m-CRESOL
Koppers Co, Koppers Bldg, Pittsburgh 19, Pa

MONTAN
American Firstoline Corp, 420 Lexington Ave, N Y

MORDANTS, TEXTILE
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Antara Products Div, 435 Hudson St, N Y 14
*Ciba Co, 627 Greenwich St, N Y 14
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*W C Durfee Co, 463 Commercial St, Boston 13, Mass
Florida Ore Processing Co, 9 S Clinton St, Chicago 6, Ill
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6

MORDANTS, TEXTILE, continued
*Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J
Sagamore Color & Chem Co, 178 Purchase St, Boston 10, Mass
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

MORPHOLINE (Tetra-Hydro-p-Oxazine)
C_4H_9ON. M.W. 87.1. A colorless liquid. B.P. 128° C. Sol. water, alcohol, ether. Ammonia odor. Possesses caustic, alkaline properties. Volatile in steam. It is a good solvent for resins, waxes, casein, shellac and many dyestuffs.
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

MOSS GREEN see Copper Acetoarsenite

MOSS, IRISH (Chondrush, Carraghoen, Killeen, Pig-Wrack, Pearl Moss, Rock-Salt Moss)
Kelp found along coasts of Ireland and New England. Uses—mfr. soaps, food preparations; clarifying agent for chemical purposes; general sizing agent; dressing leather; in medicine. Grades—natural; U.S.P.; bleached (Chordrus Crispus).
T M Duche & Sons, 117-119 Hudson St, N Y 13
N H Heyman, 244 E 91 St, N Y 28
Krim-Ko Corp, 63 David St, New Bedford, Mass
*Julian W Lyon, 7 E Dey St, N Y 7
*Meer Corp, 318 W 46 St, N Y 19
*S B Penick & Co, 50 Church St, N Y 7
*Phenix Pabst-ett Co, 460 E Illinois St, Chicago 90, Ill
Smith Crude Drug & Spice Corp, 101 Beekman St, N Y
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

MOUNTAIN CORK see Asbestos

MOUNTAIN GREEN see Copper Carbonate

MOUNTAIN VERDITER see Copper Carbonate, Blue

MURILLO BARK see Soap Bark

MUSCOVITE see Mica

MUSK (Natural)
Dried secretion from the prenuptial follicles of Moschus moschiferous, the musk deer of Central Asia. Irregular, shiny, dark grains, extremely penetrating odor. Sol. alcohol, water. Uses—in perfumery.
$CH_3COC_6H(C_4H_9)(CH_3)(NO_2)_2$. M.W. 280.14. M.P. 136°C. Insol. water; sol. alcohol.
Alfred D Brown Associates, 59 Pearl St, N Y 4
Dalton-Cooper, 200 W 34 St, N Y
Dodge & Olcott, 180 Varick St, N Y 14
Fleischman, Burd & Co, 22 W 48 St, N Y 19
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Geo Lueders & Co, 427 Washington St, N Y 13
*J Manheimer, 214 E 21 St, N Y 19
T F McAdam, 125 Broad St, N Y 4
Nardini Co, 15 Moore St, N Y 4
Olson Sales Agency, 20 Broad St, N Y 5
Herbert H Parker, 2 Broadway, N Y 4
Polak & Schwartz, 667 Washington St, N Y 14
Tombarel Products Corp, 12 E 22 St, N Y 10

*Company classifies itself as manufacturer or producer of this product

MUSK (Synthetic)

Pale yellowish crystals with oder resembling natural musk. Uses—Fixative in perfumes.

Dodge & Olcott, 180 Varick St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
Fallek Products Co, 163 Broadway, N Y 6
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Geo Lueders & Co, 427 Washington St, N Y 13
Polak & Schwartz, 667 Washington St, N Y 14
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

MUSK KETONE (4-tert-Butyl-2-Methyl-3,6 Dinitroacetophenone)

Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Geo Lueders & Co, 427 Washington St, N Y 13
Polak & Schwartz, 667 Washington St, N Y 14
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

MUTHMANN'S LIQUID see Acetylene Tetrabromide

MYRISTYL BROMIDE

$CH_3(CH_2)_{13}CH_2Br$. M.W. 277.3.

*Halogen Chem, 1505 Charlton Dr, Columbia, S C

MYROBALAN EXTRACT (Terminala Chebula, Hurr Nuts)

Extract of Myrobalans containing 25% tannin. Uses—tanning leather; mordant in dyeing and printing cottons; dyeing silk black. Grades—liq. 25% tannin; solid, 50% tannin.

*American Dyewood Co, 285 Madison Ave, N Y
Frank G Fanning, 50 E 42 St, N Y 17
F J Heap & Son, 65 High St, Boston, Mass

NAPHTHA, SOLVENT see Naphthas, Coal Tar

Adams-Henry Chem Co, 32 Broadway, N Y 4
*Alabama By-Products Corp, P O Box 354, Birmingham, Ala
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
J H Bauminger, 421 7 Ave, N Y
S H Bell Co, 1514 Oliver Bldg, Pittsburgh 22, Pa
*Bethlehem Steel Co, 701 E 3 St, Bethlehem, Pa
Braun Corp, 2260 E 15 St, Los Angeles 21, Cal
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
*Calco Chem Div, Bound Brook, N J
Chematar Inc, Exchange Pl, N Y 5
Chem Mfg Co, 21 West St, N Y
Chem Service Corp, 83 Beaver St, N Y 5
Coaltar Chem Corp, 420 Lexington Ave, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
*Colorado Fuel & Iron Corp, Continental Oil Bldg, Denver, Col
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
De Bear Inc, 636 11 Ave, N Y 19
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
European Chem Co, 366 Broadway, N Y 13
Faesy & Besthoff, 325 Spring St, N Y 13
Fallek Products Co, 163 Broadway, N Y 6
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
M W Hardy & Co, 141 Broadway, N Y 6
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Hummel Chem Co, 90 West St, N Y 6
Innis, Speiden & Co, 117 Liberty St, N Y 6
Interlake Iron Corp, 1900 Union Commerce Bldg, Cleveland 14, Ohio
International Selling Corp, 70 Pine St, N Y 5
Interocean Chem & Minerals Corp, 120 Broadway, N Y 5
Enos F Jones Chem Co, 14 Florence St, Jersey City 4, N J
Kingston Chem Co, 15 William St, N Y 5
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Legion Chem, 70 Wall St, N Y 5
T F McAdam, 125 Broad St N Y 4
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 50 E 42 St, N Y 17
Monarch Chem Works, 22 & Ave H, Omaha, Neb
Mutchler Chem Co, 258 Broadway, N Y 7
*Naphthalene Products Co, P O Box 6328, Tarrant, Ala
Wm D Neuberg Co, 420 Lexington Ave, N Y 17
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
Philipp Bros Chem, 37 Wall St, N Y
Prentiss Drug & Chem Co, 110 William St, N Y 38
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind

NAPTHA, SOLVENT, continued

Reinhart Chem Corp, 405 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
H D Sheldon & Co, 104 5 Ave, N Y
Shepard Chem Corp, 117 Liberty St, N Y 6
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
*Standard Naphthalene Products Co, 115 Jacobus Ave, S Kearney, N J
Tar Residuals, 420 Lexington Ave, N Y 17
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*U S Steel Corp, Coal Chem Sales Div, 525 Wm Penn Pl, Pittsburgh 30, Pa
United Sterling Corp, 37 E 28 St, N Y

NAPHTHALENE (Tar Camphor, White Tar, Naphthalin)

$C_{10}H_8$. White, crystalline flakes or powd., strong coal-tar odor. Sp. gr. 1.15 (15°C.). M.P. 80.05°C. B.P. 217.96°C. Sol. benzene, absolute alcohol ether. Melting pt. minimum, 175°F. Uses—mfr. intermediates, organic chemicals, hydrogenated derivatives, naphthols, naphthylamines, phthalic acid and derivatives, phthalein dyestuffs, synth. indigo, motor fuels, trinitronapithalene explosives, liquid air and ammonium nitrate explosives, insecticidal compositions, flea pwrs., artificial resins with formaldehyde, celluloid plastics, candles, phenolphthalein, diethylphthalate, synth. tannins, artificial leathers, lubricating compositions, resins, lacquers, varnishes, rosin dyes; as moth proofing agent; substitute for camphor and paraffin; solvent in reclaiming rubber; solvent for resin and asphalt; laboratory reagent; binder for hard coal briquettes; wood and hides preservative; general disinfectant; enriching gas. Grades—flake; balls; crushed; blocks; grains; tablets; C.P.; U.S.P.; crude refined.

*American Mineral Spirits Co, 155 E 44 St, N Y 17
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 7, Mo

ALGALOID—AGAGEL
(PURE EXTRACTIVES OF IRISH MOSS)
—FOR—
Emulsions
Suspensions
Stabilizing
Gel Formation
T. M. DUCHE & SONS, INC.
ESTABLISHED 1857
117 Hudson St., New York 13, N. Y.
Branches: Chicago • Boston

CHEMICALS
FOR ALL INDUSTRIES
NAPHTHALENE
(Crude and Refined)
COAL TAR PRODUCTS
DYESTUFFS
INTERMEDIATES
PIGMENTS
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163 BROADWAY
NEW YORK 6, N. Y.
Cable Address: "Falcoprod"

U·S·S Naphthalene
Crude
Minimum melting point 77° to 78°C.
Tank-car quantities
UNITED STATES STEEL COMPANY
525 WILLIAM PENN PLACE, PITTSBURGH 30, PA.
COAL CHEMICALS
UNITED STATES STEEL

*Company classifies itself as manufacturer or producer of this product

YOUR CONTACT WITH THE WORLD'S MARKETS — ESTABLISHED 1918

DRUGS
CHEMICALS
OILS
WAXES

NAPHTHALENE

Flakes • Balls

Bulk - 1 lb. Packages

PARADICHLOROBENZENE

Crystals • Nuggets

Bulk - 5 lb. & 1 lb. Packages

ROSENTHAL BERCOW Co. INC.

ESTABLISHED 1918

25 East 26th Street, New York 10, N.Y., U.S.A.

CABLE "RODRUG" N. Y. — ALL CODES

NAPHTHALENE, continued

*Pennsylvania Refining Co, Butler, Pa
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
*Shell Oil Co, 50 W 50 St, N Y 20

p-NAPHTHALENE see Anthracene

1,3-NAPHTHALENEDIOL see Naphthoresorcinol

NAPHTHALIDINE see Naphthylamine (alpha & beta)

NAPHTHALIN see Naphthalene

NAPHTHAS, AROMATIC

Produced either by hydrogenation or extraction. Differ from straight run naphthas in that they have the ability to dissolve many substances that ordinary straight run solvent naphtha will not dissolve. Used largely to dissolve synthetic resins in the formulation of enamels.

American Mineral Spirits Co, 555 S Flower St, Los Angeles, Cal
*American Mineral Spirits Co, 155 E 44 St, N Y 17
Amsco Solvents & Chem Co, 4619 Reading Road, Cincinnati 29, Ohio
*Barrett Div, 40 Rector St, N Y 6
Commerce Petroleum Co, 2980 Archer Ave, Chicago 8, Ill
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Hoosier Solvents & Chem Corp, 1650 Luett St, Indianapolis 22, Ind
*Humble Oil & Refining Co, P O Box 2180, Houston 1, Tex
Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 7, Mo
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Pan American Refining Corp, 122 E 42 St, N Y 17
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
*Shell Oil Co, 50 W 50 St, N Y 20
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Union Oil Co of Cal, 617 W 7 St, Los Angeles 17, Cal
Wolverine Solvents & Chem Co, 1500 Century Ave, Grand Rapids 9, Mich

NAPHTHAS, BLENDING

A low vapor pressure, high octane petroleum concentrate, used for blending with casinghead gasoline, volatile low octane gasoline, for the production of higher octane gasoline. Gravity, 43-45° A.P.I.; color, 30 plus; doctor, sweet; corrosion, negative; initial boiling pt., 220; end pt., 400; octane number, 70; Reid vapor pressure at 100°F.; 1 lb.; Max. sulfur (lamp method), less than .05%; preformed gum, 1 milligram A.S.T.M. gum, 6 milligram.

*American Mineral Spirits Co, 155 E 44 St, N Y 17
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Naph-Sol Refining Co, 2560 W 3 St, Cleveland, Ohio
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
*Shell Oil Co, 50 W 50 St, N Y 20
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

NAPHTHAS, BLENDING, continued

NAPHTHAS, CLEANERS'

Special solvents of coal-tar or petroleum origin used by dry-cleaners for the removal of stains, dirt, grease, grime, etc., from clothes, garments, etc. See Benzine, Benzol, Naphtha (Coal-Tar), Stoddard Solvent, etc. See also Bureau of Standards (CS3-38) Revised Standard for Stoddard Solvent.

American Firstoline Corp, 420 Lexington Ave, N Y
*American Mineral Spirits Co, 155 E 44 St, N Y 17
C P Chem Solvents, 60 Park Pl, Newark 2, N J
C B Coburn Co, 63 Market St, Lowell, Mass
Deep Rock Oil Corp, 624 S Mich, Chicago 5, Ill
*Humble Oil & Refining Co, P O Box 2180, Houston 1, Tex
Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 7, Mo
*Naph-Sol Refining Co, 2560 W 3 St, Cleveland, Ohio
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*U S Steel Corp, Coal Chem Sales Div, 525 Wm Penn Pl, Pittsburgh 30, Pa

NAPHTHAS, COAL TAR (Solvent Naphtha)

Mixture of small amounts of benzol and toluol with xylol and higher homologues. a. Crude, dark, straw colored liq. b. Refined water-white. Sp. gr. a. 0.862-0.892. b. 0.862-0.872. B.P. a. and b. about 160°C. Flash Point about 25.6°C. Uses—mfr. rubber solvents, soaps, oil-cloth, linoleum; washing crude anthracene; general solvent; dry cleaning; naphtha for dynamites; waterproofing agent; ingredient of paints, varnishes and enamels; xylol and cumol solvent and extractive medium in obtaining vegetable oils, fats, and essential oils. Grades —crude; refined.

*Alabama By-Products Corp, P O Box 354, Birmingham, Ala
American Mineral Spirits Co, 155 E 44 St, N Y 17
*Barrett Div, 40 Rector St, N Y 6
*Bethlehem Steel Co, 701 E 3 St, Bethlehem, Pa
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Calco Chem Div, Bound Brook, N J
Commerce Petroleum Co, 2980 Archer Ave, Chicago 8, Ill
Conray Products, 510 6 Ave, N Y 11
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Naph-Sol Refining Co, 2560 W 3 St, Cleveland, Ohio
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
Chas Page & Co, 50 E 42 St, N Y 17
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
Reinhart Chem Corp, 405 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Sterone Corp, 250 W 57 St, N Y 19
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
Tar Residuals, 420 Lexington Ave, N Y 17
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn

NAPHTHAS, HYDROGENATED

Mixtures of aromatized hydrocarbons. Either slightly straw colored or limpid, water-white, depending upon the boiling point. Produced from the hydrogenation of petroleum. Uses—mfr. lacquers, varnishes, enamels; as thinners and in the mfr. of protective coatings.

Amsco Solvents & Chem Co, 4619 Reading Rd, Cincinnati 29, Ohio
Hoosier Solvents & Chem Corp, 1650 Luett St, Indianapolis 22, Ind
Philipp Bros Chem, 37 Wall St, N Y

NAPHTHAS, ROSIN

*American Mineral Spirits Co, 155 E 44 St, N Y 17
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20

NAPHTHAS, STRAIGHT RUN

These naphthas are distilled directly from crude in a variety of boiling ranges to fit specific evaporation rates required for specific uses. Among these uses are paint thinners; cleaners' solvent; lacquer diluent; and rubber solvent.

*American Mineral Spirits Co, 155 E 44 St, N Y 17

Now Available
Koppers Refined and Crude
NAPHTHALENE
for industrial uses

● For refined naphthalene, the melting point is not less than 79.6°C. For the three standard grades of crude naphthalene the melting points are not less than 74°C., 76°C., and 78°C., respectively.

Koppers Refined or Crude Naphthalene is shipped in tank cars or in bags or barrels. Refined grade is available in crushed, chipped or flake form.

KOPPERS COMPANY, INC.
Tar Products Division
PITTSBURGH 19, PA.

KOPPERS

NAPHTHALENE
CRUDE AND REFINED AND OTHER COAL TAR PRODUCTS
REPUBLIC CHEMICAL CORP.
94 Beekman Street, New York 38
Cable Address: Jaynivrad

REPUBLIC CHEMICAL CORPORATION — A REWARD OF QUALITY

*Company classifies itself as manufacturer or producer of this product

NAPTHAS, STRAIGHT RUN, continued

*Atlantic Refining Co, 260 S Broad St, Phila, Pa
C P Chem Solvents, 60 Park Pl, Newark 2, N J
Commerce Petroleum Co, 2980 Archer Ave, Chicago 8, Ill
Deep Rock Oil Corp, 624 S Mich, Chicago 5, Ill
J W Guthrie Co, 725 2 St, San Francisco 7, Cal
Hoosier Solvents & Chem Corp, 1650 Luett St, Indianapolis 22, Ind
*Naph-Sol Refining Co, 2560 W 3 St, Cleveland, Ohio
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Union Oil Co of Cal, 617 W 7 St, Los Angeles 17, Cal

NAPHTHAS, V. M. & P.

An abbreviation for Naphtha, Varnish Makers' and Painters'. Specifications on this product are broad, as can be seen from the following: Sp. gr. in Baume API, 56-58; distillation range beginning from 190° to 200°F., and ending at 330°F. Mainly paraffins and naphthenes. See Benzine.

American Mineral Spirits Co, 555 S Flower St, Los Angeles, Cal
*American Mineral Spirits Co, 155 E 44 St, N Y 17
*Atlantic Refining Co, 260 S Broad St, Phila, Pa
C P Chem Solvents, 60 Park Place, Newark 2, N J
Commerce Petroleum Co, 2980 Archer Ave, Chicago 8, Ill
Deep Rock Oil Corp, 624 S Mich, Chicago 5, Ill
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Kuhne-Libby Co, 54 Front St, B Y 4
*Naph-Sol Refining Co, 2560 W 3 St, Cleveland, Ohio
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Paul J Pauls, 7-9 Watchung Ave, Plainfield, N J
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
B Rauschkolb & Co, 225 W 34 St, N Y 1
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
Sunnyside Oil Co, 2212 W Sunnyside Ave, Chicago 25, Ill

NAPHTHENIC ACID SALTS

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
Barclay Chem Co, 75 Varick St, N Y
Mathe Chem Co, 169 Milbank St, Lodi, N J
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
Products Trading Corp, 1775 Broadway, N Y 19
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Witco Chem Co, 295 Madison Ave, N Y 17

NAPHTHOL see b-Naphthol

a-NAPHTHOL

$C_{10}H_7OH$. Colorless prisms or powd., disagreeable taste, phenolic odor. Sp. gr. 1.224 (4°C.). M.P. 97°C. B.P. 278-80°C. Sol. benzol, alcohol, ether; slightly sol. water. Uses—mfr. intermediates, synthetic drugs, perfumes, azo dyes; as antiferment. Grades—crude; refined.

American-British Chem Supplies, 180 Madison Ave, N Y
Antara Products Div, 435 Hudson St, N Y 14
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
F M Browning Co, 150 Broadway, N Y 38
*Ciba Co, 627 Greenwich St, N Y 14
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
National Aniline Div, 40 Rector St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38

b-NAPHTHOL (Naphthol, Isonaphthol, b-Monohydroxynaphthalene)

$C_{10}H_7OH$. White or colorless leaflets or powd. Sp. gr. 1.217 (4°C.). M.P. 122°C. B.P. 285-6°C. Sol. alcohol, ether, chloroform, benzene, oils, alkaline solutions. Slightly sol. hot water. Uses—mfr. synth. drugs and intermediates, synth. dyes; in medicine. Grades—tech.; resublimed (U.S.P.).

American-British Chem Supplies, 180 Madison Ave, N Y
Antara Products Div, 435 Hudson St, N Y 14
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
J H Baumiinger, 421 7 Ave, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Calco Chem Div, Bound Brook, N J
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
Ciba Co, 627 Greenwich St, N Y 14
David & Co, 140 Market St, Paterson 1, N J
Fallek Products Co, 163 Broadway, N Y 6
Filo Color & Chem Corp, 202 E 44 St, N Y
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Edward Mendell Co, 24 W 45 St, N Y 19
Mutchler Chem Co, 258 Broadway, N Y 7
*National Aniline Div, 40 Rector St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38
Shapiro & Novick, 60 Broad St, N Y 4
Shepard Chem Corp, 117 Liberty St, N Y 6
*Sherwin-Williams Co, 100 Park Ave, N Y 17
Sterone Corp, 250 W 57 St, N Y 19
United Sterling Corp, 37 E 28 St, N Y
George Uhe Co, 76 9 Ave, N Y 14

a-NAPHTHOL PHTHALEIN

$C_{28}H_{18}O_4$. M.W. 418.14. Pale to grayish-red powder. Insol. water, sol. alcohol. Uses—pH indicator - pH range 7.0 (yellow) to 9.00 (blue).

*Bios Labs, 17 W 60 St, N Y 23
*Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa
*National Aniline Div, 40 Rector St, N Y 6

NAPHTHORESORCINOL (1, 3-Naphthalenediol)

$C_{10}H_6(OH)_2$. M.W. 160.16. M.P. 124°C.

*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

a-NAPHTHYLAMINE (a-Aminonaphthalene, Naphthalidine)

$C_{10}H_7NH_2$. M.W. 143.08. White, solid, crystalline. Sp. gr. 1.131. M.P. 50°C. B.P. 300°C. Sol. alcohol, ether; slightly sol. water. Uses—mfr. intermediates, organic chemicals, azo dyes; as laboratory reagent; toning photographic prints; deblooming agent; developing agent in dyeing; petroleum. Grades—tech.; refined.

F M Browning Co, 150 Broadway, N Y 38
Fallek Products Co, 163 Broadway, N Y 6
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
National Aniline Div, 40 Rector St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38

b-NAPHTHYLAMINE (Naphthalidine)

$C_{10}H_7NH_2$. M.W. 143.08. Colorless needles. Alpha, sp. gr. 1.131. M.P. 50°C. B.P. 300°C. Slightly sol. water; sol. alcohol, ether. Beta, sp. gr. 1.0614 (98°C.). M.P. 111°C. B.P. 306°C. Sol. alcohol, ether, water. Uses—Alpha, mfr. Martins' blue, Magdala red; reagent for nitrites and nitrates. Beta, mfr. azo dyes; in organic synthesis.

Antara Products Div, 435 Hudson St, N Y 14
J T Baker Chem Co, Phillipsburg, N J
Bendix Chem Corp, 420 Lexington Ave, N Y
David & Co, 140 Market St, Paterson 1, N J
Sterone Corp, 250 W 57 St, N Y 19
*Terra Chem, 801 2 Ave, N Y 17

b-NAPHTHYL SALICYLATE

$HO.C_6H_4.COO.C_{10}H_7$. M.W. 264.09. White, odorless, tasteless, cryst. powder. M.P. 95°C. Insol. water or

PICCO

PICCO

COAL TAR NAPHTHAS

Coal Tar Solvents

High Solvency Naphthas

Solvents

PENNSYLVANIA INDUSTRIAL CHEMICAL CORP.
CLAIRTON, PENNSYLVANIA
Representatives in Principal Cities

NAPHTHALENE
REFINED
Flake, Ball, Crushed and Chip
CRUDE
78° C. and 74° C.
THE BARRETT DIVISION
Allied Chemical & Dye Corporation
40 Rector St., New York 6, N. Y.
Barrett
*Reg. U.S. Pat. Off.

NAPHTHALENE
HOT PRESSED • WHIZZED • REFINED
GALLARD SCHLESINGER
CHEMICAL COMPANY
92-94 LIBERTY ST., NEW YORK 6, N.Y.
RECTOR 2-0262
CABLE: GALLARDKEM

*Company classifies itself as manufacturer or producer of this product

HERCULES



NAVAL STORES

Rosins, hydrogenated rosin, polymerized rosin, dehydrogenated rosin, terpene chemicals, turpentine, pine oils, toxaphene.



GM51-1

HERCULES POWDER COMPANY

978 Market St., Wilmington, Del.

NICKEL CYANIDE

NICKEL CARBONATE, NICKEL HYDROXIDE

NICKEL LACTATE AND OTHER NICKEL SALTS

Kingston Chemical Company, Inc.

15 William Street, New York 5, N. Y.

WHitehall 4-0007

b-NAPTHYL SALICYLATE, continued

glycerin; sparingly sol. cold alcohol, freely in boiling alcohol, ether. Use—Intestinal antiseptic, antizymotic, antirheumatic.

National Aniline Div, 40 Rector St, N Y 6
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

a-NAPHTHYL THIOUREA

Granulated grayish powder, insoluble in water; sol. in some organic solvents. Uses—rodenticide (powerful poison for the brown rat).

*Fallek Products Co, 163 Broadway, N Y 6
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y

NAPLES YELLOW see Lead Antimoniate

NATIVE PARAFFINE OZACERITE see Wax, Ozokerite

NATURAL GAS BLACK see Carbon Black

NAVAL STORES see advertisements on this page and individual listings

NEOCINCHOPHEN (2-Phenyl-6-Methyl-Quinoline-4-Carboxylic Acid Ethyl Ester)

$C_6H_5.CH_3.C_9H_4N.COOC_2H_5$. M.W. 291.33. White to pale yellow, odorless, tasteless, crystalline powder. Sol. hot alcohol; very sol. ether, chloroform; nearly insol. water. Use—medicinal.

American Roland Corp, 16 Hudson St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Benzol Products Co, 237 South St, Newark 25, N J
*Edward S Burke, 65 Pine St, N Y
*Calco Chem Div, Bound Brook, N J
Gane & Ingram, 43 W 16 St, N Y 11
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

NEODYMIUM CARBONATE

$Nd_2(CO_3)_3$. Pure form. Sol. hydrochloric, nitric, acetic acids. Uses—special absorption purposes by optical glass manufacturers; glass decolorizing agent. Grades—tech.

*Delta Chem Works, 23 W 60 St, N Y
*Lindsay Light & Chem Co, 258 Ann St, W Chicago, Ill
*Maywood Chem Works, Maywood, N J
George F Smith, 60 E 42 St, N Y 17

NEODYMIUM NITRATE

$Nd(NO_3)_3.6H_2O$. M.W. 438.39.

*Lindsay Light & Chem Co, 258 Ann St, W Chicago, Ill
*Maywood Chem Works, Maywood, N J

NEODYMIUM OXALATE

$Nd_2(C_2O_4)_3 10H_2O$. H.W. 732.54. Uses—to produce orchid color in glassware; as decoloring agent to produce crystal clear glass of low light absorption.

*Lindsay Light & Chem Co, 258 Ann St, W Chicago, Ill
*Maywood Chem Works, Maywood, N J
George F Smith, 60 E 42 St, N Y 17

NEON

Ne. At. Wt. 20.183. Inert gas. Sp. gr. 0.674. B.P. —246°C. Uses—Neon lights (red).

*Air Reduction Sales Co, 60 E 42 St, N Y 17
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

NEOPENTANE (2,2-Dimethylpropane)

$(CH_3)_4C$. M.W. 72.15. Liquid. B.P. 9.5°C. Insol. water; sol. alcohol, ether.

Matheson Co, Paragon Div, E Rutherford, N J
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

NEROLIN (b-Naphthyl Ethyl Ether)

$C_{10}H_7\text{-}O\text{-}C_2H_5$. M.W. 172.1. White crystals with orange odor. M.P., 35.5°C. Insol. water, sol. alcohol, ether. Uses—perfumery.

*American-British Chem Supplies, 180 Madison Ave, N Y
Dodge & Olcott, 180 Varick St, N Y 14
Fiorasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Kay-Fries Chem, 180 Madison Ave, N Y 16
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

NEUTRAL AMMONIUM PHOSPHATE see Ammonium Phosphate, Tri

NEUTRAL MAGNESIUM PHOSPHATE see Magnesium Phosphate

NEUTRALIZERS, CREAM

*Port Huron Detergent Co, 1320 2 St, Port Huron, Mich
*Solvay Sales Div, 40 Rector St, N Y 6

NEW GREEN see Copper Acetoarsenite

NICKEL (Metal)

Ni. Steel-gray metal. Sp. gr. 8.9. M.P. 1452°C. Sol. slowly HCl, dilute H_2SO_4, dilute H_3PO_4, more rapidly in HNO_3. Uses—mfr. nickel steels and alloys; mfr. nickel salts.

*J T Baker Chem Co, Phillipsburg, N J
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*International Nickel Co, 67 Wall St, N Y
Metallurgical Products Co, 35 & Moore Sts, Phila 45, Pa
Nopel Corp, 2 Broadway, N Y 4
Ovimpex Inc, 149 Broadway, N Y 6

NICKEL AMMONIUN SULFATE see Nickel Salts

NICKEL BLACK see Nickel Oxide

NICKEL BROMIDE

$NiBr_2.3H_2O$. M.W. 272.57. Yellow-green deliq. powd. Sol. water, alcohol. Uses—hypnotic and sedative in medicine; chem. intermediate.

*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

NICKEL(OUS) ACETATE

$Ni(C_2H_3O_2)_2 + 4H_2O$. Green crystalline mass or powd. Sol. water; insol. alcohol. Uses—mordant in printing cotton goods and dyeing textiles.

*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
L J & M La Place, Leliarts Lane, E Paterson, N J

NICKEL(OUS) CARBONATE, BASIC

Approx. $2NiCO_3.3Ni(OH)_2+4H_2O$. M.W. 587.56. Light brown powd. Decomp. on heating. Sol. dilute mineral acids; insol. water. Uses—mfr. soaps, nickel salts; in ceramic colors and glazes; electroplating; for coloring metals; as catalyzer for hardening fats. Grades—tech.; C.P.

*Aceto Chem Co, 82 Beaver St, N Y 5
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Hummel Chem Co, 90 West St, N Y 6
*Klngston Chem Co, 15 William St, N Y 5
L J & M La Place, Leliarts Lane, E Paterson, N J

NICKEL(OUS) CHLORIDE

$NiCl_2 6H_2O$. Green, deliq. crystalline powd. Sp. gr. 2.56. Sublimes on heating. Sol. water, and ammonium hydroxide. Uses—mfr. sympathetic inks; as laboratory reagent; nickel plating; absorbent for ammonia in gas masks; in medicine. Grades—tech.; C.P.

Aceto Chem Co, 82 Beaver St, N Y 5
American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Hummel Chem Co, 90 West St, N Y 6
L J & M La Place, Leliarts Lane, E Paterson, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
Philipp Bros Chem, 37 Wall St, N Y

NICKEL(OUS) CYANIDE

$Ni(CN)_2$. Apple-green plates or powd. Loses water of crystallization at 200°C and then decomp. on further heating. Sol. solutions.

Aceto Chem Co, 82 Beaver St, N Y 5
American Quinine Co, 15 William St, N Y
*City Chem Corp, 132 W 22 St, N Y 11
Hummel Chem Co, 90 West St, N Y 6
*Klngston Chem Co, 15 William St, N Y 5
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill

*Company classifies itself as manufacturer or producer of this product

NICKEL FLUOBORATE

$Ni(BF_4)_2.7H_2O$. Green crystalline solid, readily sol. in water. Uses—catalytic reactions and organic synthesis.

*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Pelron Corp, 7740 W 47 St, Lyons, Ill

NICKEL FLUORIDE

NiF_2. M.W. 96.69. Greenish cryst. Insol. water; sol. potassium cyanide, ammonia, hydrochloric acid.

*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill

NICKEL(OUS) FORMATE

$Ni(OOCH)_2.2H_2O$. M.W. 184.7. Pale-green powd. Uses—prep. of nickel catalysts for oil hydrogenation and isomerization reactions.

*Aceto Chem Co, 82 Beaver St, N Y 5
American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Hawkins Chem Co, 3100 Hennepin Ave, Minneapolis 13, Minn
Hummel Chem Co, 90 West St, N Y 6
*Kingston Chem Co, 15 William St, N Y 5
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38

NICKEL(IC) HYDROXIDE

$Ni(OH)_3$. Black powd. Uses—mfr. nickel salts.

*Kingston Chem Co, 15 William St, N Y 5

NICKEL IODIDE

NiI2. M.W. 312.53. Iron-black solid. Sol. in water and alcohol. Uses—laboratory reagent.

*City Chem Corp, 132 W 22 St, N Y 11

NICKEL LAURATE

Conray Products, 510 6 Ave, N Y 11
*Mathe Chem Co, 169 Milbank St, Lodi, N J

NICKEL NAPHTHENATE

M.W. about 520. 11% metal. Sol. hydrocarbons, vegetable oils. Uses—catalyst in oil treatment.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
Mathe Chem Co, 169 Milbank St, Lodi, N J
Chas Page & Co, 50 E 42 St, N Y 17

NICKEL NITRATE

$Ni(NO_3)_2.6H_2O$. M.W. 290.79. Green, deliq. cryst. Sol. water, alcohol. M.P. 57°C. Uses—nickel plating, production nickel catalysts.

*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6

NICKEL(OUS) OXIDE (Nickel Black, Nickel Peroxide, Green Nickel Oxide, Nickel Protoxide)

NiO. M.W. 74.69. Natural and mfr. Sp. gr. 7.45. M.P. absorbs oxygen at 400°C. Is reduced to NiO_2 at 600°C. Sol. acids and ammonium hydroxide. Uses—mfr. nickel salts; painting on porcelain; as catalyst in making various chemicals. Grades—green powd.; peroxide, black powd.; C.P.

American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Boto Leopold, Woolworth Bldg, N Y 7
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

NICKEL PEROXIDE see Nickel Oxide

NICKEL POWDER

Ni. 99.65%. Furnished in 100, 200, 300 mesh.

Hummel Chem Co, 90 West St, N Y 6
*Metals Disintegrating Co, P O Box 290, Elizabeth, N J

NICKEL PROTOXIDE see Nickel Oxide

NICKEL SALTS (Single & Double) (Nickel Sulfate, Electrolytic Salt, Blue Salt, Nickel Ammonium Sulfate, Nickelous-Ammo Sulfate)

Single—a. $NiSO_4$. b. $NiSO_4.6H_2O$. c. $NiSO_4.7H_2O$. a. Yellow. b. Blue. c. Green. Solid crystalline. Sp. gr. a. 3.418 (15°C). b. 2.031. c. 1.98. M.P. a. loses SO_3 at 840°C. b. loses $6H_2O$ at 280°C. c. 98-100°C. a. Sol. water. b. and c. sol. alcohol. a. Insol. alcohol, ether. Uses—mfr. nickel ammonium sulfate,

PLATERS SUPPLIES

nickel salts • cyanides
anodes • degreasing solvents
muriatic • nitric • sulfuric
and chromic acids

— • —

L. J. & M. LAPLACE

EAST PATERSON, N. J.

FAIRLAWN 6-4850-1-2 BRYANT 9-8069

NICKEL SALTS, continued

paints, varnishes, ceramics; in nickel plating; blackening brass and zinc; as mordant in dyeing and printing textiles; catalyst for oils. Grades—tech.; C.P. Cont. 6hls. (300 lbs.); kegs (100 lbs.); bottles ¼, 1, 5 lbs.). Tariff, 25%. Double—$NiSO_4.(NH_4)_2SO_4.6H_2O$. Bluish-green prisms. Sp. gr. 1.929 (20°C). Sol. water and ammonium sulfate. Uses—in nickel plating; galvanoplastic work; violet coloring of metal; photo-engraving; oil and tallow refining. Grades—tech.; purified; C.P.

Aceto Chem Co, 82 Beaver St, N Y 5
Adams-Henry Chem Co, 32 Broadway, N Y 4
Amend Drug & Chem Corp, 117-119 E 24 St, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
F M Browning Co, 150 Broadway, N Y 38
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
Conray Products, 510 6 Ave, N Y 11
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Faesy & Besthoff, 325 Spring St, N Y 13
Frank G Fanning, 50 E 42 St, N Y 17
Farber Products Co, 226 Lafayette St, N Y 12
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Charles Gitlan & Co, 25 Beaver St, N Y 4
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
*Harshaw Chem Co, 1945 E 97 St, Cleveland 6, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Howe & French, Mfg Dept, E Weymouth, Mass
Hummel Chem Co, 90 West St, N Y 6
Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Leliarts Lane, E Paterson, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
Metallurgical Products Co, 35 & Moore Sts, Phila 45, Pa
Mutchler Chem Co, 258 Broadway, N Y7
?Phelps Dodge Refining Corp, 40 Wall St, N Y 5
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Seaboard Industries, 195 Keen St, Paterson, N J
George F Smith, 60 E 42 St, N Y 17
E Sonnenschein & Co, 276 5 Ave, N Y 1
Jos Turner & Co, Ridgefield, N J
United Sterling Corp, 37 E 28 St, N Y
George Uhe Co, 76 9 Ave, N Y 14

NICKEL SALTS

Catalytic Grade
Special Platers Crystals

NICKEL CARBONATE
NICKEL CHLORIDE
NICKEL CYANIDE
NICKEL FORMATE
NICKEL HYDROXIDE
NICKEL LACTATE
ZINC SULFATE

Kingston Chemical Company, Inc.

15 William Street
New York 5, N. Y.
WHitehall 4-0007



NICKEL SALTS

NICKEL CARBONATE NICKEL OXIDE
NICKEL HYDROXIDE NICKEL CYANIDE
NICKEL SULFATE SODIUM CYANIDE

The J. M. Baird Company Cables: JOMBAIRD

147 NASSAU STREET, NEW YORK 38, N. Y. WOrth 4-0952

*Company classifies itself as manufacturer or producer of this product

DRUGS
CHEMICALS
OILS
WAXES

NICKEL SULFATE

•

ORTHODICHLOROBENZENE

•

COPPERAS

ROSENTHAL BERCOW Co. INC.
ESTABLISHED 1918
25 East 26th Street, New York 10, N.Y., U.S.A.
CABLE "RODRUG" N. Y. — ALL CODES

afc
NICKEL SULFATE
Nickel Formate
Sodium Cyanide
Potassium Cyanide
Copper Cyanide
Chromic Acid
Bichromates
Zinc Chloride
Ammonium Chloride
Industrial Chemicals
Solvents • Pigments
american FIRSTOLINE CORPORATION
420 LEXINGTON AVE., N. Y. 17, N. Y.
MU-3-3203

NICKEL SULPHATE
Faesy & Besthoff Inc.
325 Spring St., New York 13, N.Y. • ALgonquin 5-7300
Plant and Warehouse: Hicksville, L. I.

NICKEL STEARATE

$Ni(C_{18}H_{35}O_2)_2$. M.W. 625. Green powd. M.P. 150-160°C. Washed ash, 11.4%, sol. ash, 1.6%. Solubility, insol. in water, alcohol, esters, and other low M. W. polar compounds. It is sol. in aromatic hydrocarbons and forms gels with mineral spirits and petroleum oils. Uses—lubricants, wax, and water-proofing compounds, coating and plastic compositions, catalyst, leather treatment, detergent in organic liq. powdered quench in nickel welding.

*Mathe Chem Co, 169 Milbank St, Lodi, N J
*Warwick Chem Co Div, Wood River Junction, R I
*Witco Chem Co, 295 Madison Ave, N Y 17

NICKEL SULFATE see Nickel Salts

NICKEL TITANIUM

*Metal Hydrides, 16 Congress St, Beverley, Mass
*Metal & Thermit Corp, 100 E 42 St, N Y 17

NICKELOUS-AMMO SULFATE see Nickel Salts

NICOTINAMIDE (Acid, Nicotinic Amide)

$C_5H_4NCONH_2$. White powd., slightly deliq. Faintly aromatic odor. Uses—medicinal.

*American Quinine Co, 15 William St, N Y
American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
J H Bauminger, 421 7 Ave, N Y
Bendix Chem, 420 Lexington Ave, N Y
*Bios Labs, 16 W 60 St, N Y 23
*Calco Chem Div, Bound Brook, N J
Conray Products, 510 6 Ave, N Y 11
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Gane & Ingram, 43 W 15 St, N Y 11
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Kingston Chem Co, 15 William St, N Y 5
Lamex Chem Corp, 25 Broadway, N Y 4
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*R P Scherer Corp, 9425 Grinnell Ave, Detroit 13, Mich
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
George Uhe Co, 76 9 Ave, N Y 14

NICOTINE (b-Pyridyl-n-Methyl-Pyrrolidine)

$C_{10}H_{14}N_2$. Alkaloid from tobacco. Thick water-white oil. Sp. gr. 1.00924. B.P. 246.7°C. Uses—medicinal, insecticide, tanning.

Aceto Chem Co, 82 Beaver St, N Y 5
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
Faesy & Besthoff, 325 Spring St, N Y 13
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Hummel Chem Co, 90 West St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38
*Tobacco By-Products & Chem Corp, 401 E Main St, Richmond, Va

NICOTINE SULFATE

$C_{10}H_{14}N_2.H_2SO_4$. Commercially available in solutions, usually 40% equivalent of nicotine. Uses—as horticultural insecticide; in medicine. Poisonous. Grades—tech.

Aceto Chem Co, 82 Beaver St, N Y 5
Bendix Chem Corp, 420 Lexington Ave, N Y
F M Browning Co, 150 Broadway, N Y 38
Chematar Inc, Exchange Pl, N Y 5
John A Chew, 60 E 42 St, N Y 17
Conray Products, 510 6 Ave, N Y 11
Gallard Schlesinger Chem Co, 92 Liberty St, N Y

NICOTINE SULFATE, continued

*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Maxim Chem Co, 44 Cliff St, N Y 7
Mutchler Chem Co, 258 Broadway, N Y 7
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Tobacco By-Products & Chem Corp, 401 E Main St, Richmond, Va
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va

NICOTINIC ACID AMIDE see Nicotinamide

NIKETHAMIDE (N,N-Diethyl Nicotinamide, Nicotinic Diethylamide Acid)

$C_5H_4N.CON(C_2H_5)_2$. M.W. 178.13. Yellow, almost odorless liq. Miscible with water. Uses—medicine.

*American Quinine Co, 15 William St, N Y
American Roland Corp, 16 Hudson St, N Y
*Arenol Chem Corp, 40-33 23 St, L I C 1, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Conray Products, 510 6 Ave, N Y 11
*Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Gane & Ingram, 43 W 16 St, N Y 11
*Lamex Chem Corp, 25 Broadway, N Y 4
McKesson & Robbins, 155 E 44 St, N Y 17
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*Polychem Co, 494 Hunts Point Ave, N Y 59
Red Star Chem Co, 40-33 23 St, L I C 1, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
George Uhe Co, 76 9 Ave, N Y 14

NIL ALBA see Zinc Oxide

NINHYDRIN (Reagent for Amino Acids)

Pierce Chem Co, P O Box 117, Rockford, Ill

m-NITRANILINE

$C_6H_4(NO_2)NH_2$. M.W. 138.06. Yellow needles. Sp. gr. 1.43 (18°C). M.P. 111.8°C. B.P. 285°C. Sol. alcohol, ether; sl. sol. water. Uses—mfr. azo dyestuffs, alizarin yellow GG, tetranitroaniline, metranitine yellow, lanus Red BW, intermediates, organic chemicals; as explosive; color test for pine wood; developing colors in printing and dyeing textiles. Grades—tech.; 96%.

*Calco Chem Div, Bound Brook, N J
Republic Chem Corp, 94 Beekman St, N Y 38
*Verona Chem Co, 26 Verona Ave, Newark, N J

o-NITRANILINE (o-Nitroaminobenzene)

$C_6H_4(NO_2)NH_2$. Orange-yellow cryst. Sp. gr. 1.442. M.P. 71°C. Sol. alcohol, ether, hot water. Uses—mfr. dyes.

Antara Products Div, 435 Hudson St, N Y 14
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
National Aniline Div, 40 Rector St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38
*Verona Chem Co, 26 Verona Ave, Newark, N J

p-NITRANILINE

$NO_2C_6H_4.NH_2$. Yellow needles. Sp. gr. 1.437 (14° C). M.P. 148°C. B.P. 210°C (20 mm. pressure). Sol. alcohol, ether; sl. sol. water. Uses—mfr. color lakes, dyestuffs, paranitraniline red, paraphenylenediamine; producing para red on textile fibres. Grades—technically pure (90.5%).

Antara Products Div, 435 Hudson St, N Y 14
Bendix Chem Corp, 420 Lexington Ave, N Y

*Company classifies itself as manufacturer or producer of this product

NITRILES FROM FATS

The ARNEELS are a series of 11 high molecular weight aliphatic nitriles having alkyl chain lengths of 8 to 18 carbon atoms.

The ARNEELS are available in commercial quantities for use in detergents, wetting agents, plasticizers for synthetic rubber and plastic products, rust preventatives, waterproofing compounds, chemical synthesis.

For descriptive bulletins and samples, write:

ARMOUR *Chemical Division*

Armour and Company • 1355 W. 31st Street • Chicago 9, Ill.

p-NITRANILINE, continued

F M Brawning Co, 150 Broadway, N Y 38
*Calco Chem Div, Bound Brook, N J
Chematar Inc, Exchange Pl, N Y 5
Fallek Products Co, 163 Broadway, N Y 6
M W Hardy & Co, 141 Broadway, N Y 6
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
National Aniline Div, 40 Rector St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38
*Sherwin-Williams Co, 100 Park Ave, N Y 17
E Sonnenschein & Co, 276 5 Ave, N Y 1

p-NITRANILINE, RED (Azophor Red, Para Red, Nitrazol, Discharge Lake R, p-Nitrobenzene-azobetanaphthol)

$C_{18}H_{11}N_3O_3$. Red powd. or paste. Uses—as dyestuff. Cont.—drums: bbls.; tins, various sizes.

*Calco Chem Div, Bound Brook, N J
Ciba Co, 627 Greenwich St, N Y 14
Filo Color & Chem Corp, 202 E 44 St, N Y
M W Hardy & Co, 141 Broadway, N Y 6
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Western Dry Color Co, 600 W 52 St, Chicago 9, Ill

NITRATINE see Sodium Nitrate

NITRAZOL see p-Nitraniline, Red

NITRE see Potassium Nitrate

NITRE CAKE see Sodium Bisulfate

NITRIDING COMPOUNDS

Preps. for increasing the hardness of metal through the formation of metallic nitrides. See also Case-Hardening Materials, Carburizing Compounds.

*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass

NITRILES see advertisements on this page and individual listings

NITRILOMALONAMIDE see Cyanoacetamide

o-NITROAMINOBENZENE see o-Nitraniline

NITROANISOLE

$C_6H_4(OMe)NO_2$. M.W. 153.1.

Republic Chem Corp, 94 Beekman St, N Y 38

o-NITROANISOLE

$C_7H_7NO_3$. M.W. 153. Light reddish to light amber liq. Cryst. Pt.—9.6°C. Dist. Range—269.0°C. to 275.0°C. Wt. per gal., 10⅓ lbs. approx. Uses—mfr. dyestuffs; inorganic synthesis. Ship. Class—Dye intermediate. Ship. req.—Poison (label).

*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Republic Chem Corp, 94 Beekman St, N Y 38

NITROBARITE see Barium Nitrate

NITROBENZENE (Nitrobenzol, Oil, Mirbane, Essence of Mirbane, Nitrobenzide)

$C_6H_5NO_2$. M.W. 123.05. Yellow, oily liq., oder bitter almonds. Sp. gr. 1.208 (15°C). M.P. 5.70°C. B.P. 210.85°C. Sol. alcohol, ether; very sl. sol. water. Uses—mfr. aniline and azobenzene, benzidine, quinaldin, quinoline, metanilic acid, various intermediates, organic chemicals, synth. dyestuffs of azo, nigrosine, aniline, fuchsine and other groups, tetranitroaniline, and other high explosives, cosmetics, toilet preps., dust preventatives, polishes, greases, glues, cements, soaps; artificial oil almonds in perfumery; selective solvents for making lubricating oil; odorant for grease, etc. Grades—tech.; redistilled; 97% (Oil of Mirbane).

J T Baker Chem Co, Phillipsburg, N J
Bendix Chem Corp, 420 Lexington Ave, N Y
*Calco Chem Div, Bound Brook, N J
*E I Du Pont de Nemours & Co, Explosives Dept, Chem & Misc Sales Section, Wilmington 98, Del
Industrial Raw Materials Corp, 575 Madison Ave, N Y 22
McKesson & Robbins, 155 E 44 St, N Y 17
National Aniline Div, 40 Rector St, N Y 6
*Naugatuck Chem, Naugatuck, Conn
Republic Chem Corp, 94 Beekman St, N Y 38

p-NITROBENZENE-AZOBETANAPHTHOL see p-Nitraniline, Red

NITROBENZIDE see Nitrobenzene

NITROBENZOL see Nitrobenzene

m-NITROBENZOYL CHLORIDE

$C_6H_4NO_2COCl$. M.W. 185.5. Yellow to brown liq. partially crystallized. Uses—dyes; pharmaceuticals.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y

p-NITROBENZOYL CHLORIDE

$NO_2C_6H_4COCl$. M.W. 185.5. Yellow, crystalline lump material with characteristic odor. Uses—mfr. of novocaine; dyes.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y

NITROCALCITE see Calcium Nitrate

NITROCELLULOSE (Pyroxylin, Gun Cotton, Cellulose Nitrate)

$C_{12}H_{16}(ONO_2)_4O_6$. M.W. 504.16. Yellowish, amorp. mass. Sp. gr. 0.1-0.3. Sol. ether, alcohol, ethyl acetate, nitrobenzene, benzene, acetone, amyl acetate, etc. Uses—mfr. explosives, collodion solutions, lacquers, photographic films, bronzing liq., dopes, cements, enamels. Grades—tech.; Cont.—kegs, various sizes. Ship. reg. prohibited by express; wet with water, inflammable solid; dry, dangerous explosive; wet with alcohol or solvent, inflammable liq.

American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Pyroxylin Corp, P O Box 193, Arlington, N J
Barclay Chem Co, 75 Varick St, N Y
*E I Du Pont de Nemours & Co, Explosives Dept, Chem & Misc Sales Section, Wilmington 98, Del
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
Republic Chem Corp, 94 Beekman St, N Y 38

NITROCELLULOSE SOLUTIONS

American Pyroxylin Corp, P O Box 193, Arlington, N J
*Commercial Solvents Corp, 17 E 42 St, N Y 17

NINHYDRIN

Reagent for

AMINO ACIDS

For use directly, without further purification, in

- *Manometric Assay*
- *Photometric Assay*
- *Paper Chromatography*

We also manufacture:

L-GLUTAMINE
DIKETOHYDRINDENE
2-NITRO-INDANDIONE
SODIUM SHOT

PIERCE CHEMICAL CO.
P. O. Box 117, Rockford, Ill.

NITROCELLULOSE SOLUTIONS continued

*Compo Chem Co, 150 Causeway St, Boston 14, Mass
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*Scholle Chem Corp, 6641 Ridge Ave, Chicago 26, Ill
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*U S Industrial Chem, 60 E 42 St, N Y

m-NITROCHLOROBENZENE

$C_6H_4ClNO_2$. M.W. 157.5. Greenish-yellow crystalline mass. Cryst. Pt. 48.9°C. Uses—for conversion into various important meta derivatives. Ship. Class.—dye intermediate. Ship. Req.—Poison (label required).

Barclay Chem Co, 75 Varick St, N Y
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Republic Chem Corp, 94 Beekman St, N Y 38

o-NITROCHLOROBENZENE (o-Nitrochlorobenzol)

$C_6H_4(NO_2)Cl$. M.W. 157.5. Colorless cryst. Sp. gr. 1.365 (12°C). M.P. 32.5°C. B.P. 245.7°C. Sol. alcohol, ether. Uses—mfr. intermediate and organic chemicals, dyes, chrome colors, orthoanisidine, orthonitrophenol guaiacol. Grades—tech.

Barclay Chem Co, 75 Varick St, N Y
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo

p-NITROCHLOROBENZENE

$NO_2C_6H_4Cl$. Colorless cryst. Sp. gr. 1.520 (18°C). M.P. 83°C. B.P. 242°C. Sol. alcohol, ether. Uses—mfr. dyestuffs, intermediates, organic chemicals, para-nitraniline, paranitrophenol, para-aminophenol, phenacetin. Grades—98% tech.

Barclay Chem Co, 75 Varick St, N Y
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo

o-NITROCHLOROBENZOL see o-Nitrochlorobenzene

NITROCHLOROFORM see Chloropicrin

NITROCHLOROMETHANE see Chloropicrin

*Company classifies itself as manufacturer or producer of this product

ORGANIC NITROGEN COMPOUNDS

Acetone Cyanohydrin • Acrylonitrile • Cyanuric Chloride



Dicyandiamide • Ethylene Cyanohydrin • Guanadine Compounds • Melamine

AMERICAN Cyanamid COMPANY

30 Rockefeller Plaza, New York 20, N. Y.

NITROETHANE

$CH_3CH_2NO_2$. The reactions of nitroethane are similar to those of nitromethane but are limited by the presence of only 2 rather than 3 reactive hydrogens in the molecule. It forms ethylamine upon reduction.

*Commercial Solvents Corp, 17 E 42 St, N Y 17

1-NITRO-2,5-DICHLORBENZENE see 2,5-Dichloronitrobenzene

2-NITRO-2-ETHYL-1, 3-PROPANEDIOL

$CH_2OHC(C_2H_5)(NO_2)CH_2OH$. Quite similar to the corresponding methyl derivative, but is more sol. in organic solvents. Its M.W. is sl. higher and its M.P. lower than that of the methyl derivative.

*Commercial Solvents Corp, 17 E 42 St, N Y 17

NITROGEN GAS

N_2. M.W. 14.008. Gaseous element in the atmosphere with atomic No. 7. Colorless. Dens. (air—1) 0.967. M.P. —209.86°C. B.P. —195°C. Sl. sol. water alcohol. Uses—in places where its inertness is an advantage—such as filling electric light bulbs.

*Air Reduction Co, 60 E 42 St, N Y 17
*Linde Air Products Co, 30 E 42 St, N Y 17
Matheson Co, Paragon Div, E Rutherford, N J

NITROGEN TETROXIDE

N_2O_4. M.W. 92. Uses—addition to organic unsaturated compounds, nitration of organic compounds, oxidation, explosives; catalyst, flour bleaching.

*Bios Labs, 17 W 60 St, N Y 23
Matheson Co, Paragon Div, E Rutherford, N J
*Solvay Sales Div, 40 Rector St, N Y 6

NITROMETHANE

CH_3NO_2. M.W. 61.04. Moderately sol. water; sol. organic liq. Uses—raw material for synthesis; solvent.

*Commercial Solvents Corp, 17 E 42 St, N Y 17

2-NITRO-2-METHYL 1,3-PROPANEDIOL

$CH_2OHC(CH_3)NO_2CH_2OH$. M.W. 135.12. Very sol. water. Uses—raw material for synthesis.

*Commercial Solvents Corp, 17 E 42 St, N Y 17
Conray Products, 510 6 Ave, N Y 11

2-NITRO 2-METHYL-1 PROPANOL

$CH_3C(CH_3)NO_2CH_2OH$. M.W. 119.12. Very sol. water. Uses—heat sensitizer for rubber latex; raw material for synthesis.

*Commercial Solvents Corp, 17 E 42 St, N Y 17

NITROPARAFFINS

Saturated aliphatic nitrohydrocarbons, obtained by reacting petroleum hydrocarbons with nitric acid. Four basic NP's now being produced are Nitromethane, Nitroethane, 1-Nitropropane and 2-Nitropropane. Uses—solvents for nitrocellulose, vinyl and alkyd resins, and other resins, fats, waxes and dyestuffs. Raw material for chemical syntheses, adhesives, protective coatings, selective solvent refining processes, plastics, resins, detergents, wetting agents, cosmetics, insecticides, fumigants, pharmaceuticals, and textiles.

American Mineral Spirits Co, 155 E 44 St, N Y 17
*Commercial Solvents Corp, 17 E 42 St, N Y 17

o-NITROPHENOL

$C_6H_4(NO_2)OH$. M.W. 139.05. Yellow prisms. Sp. gr. 1.447. (20°C). M.P. 45°C. B.P. 214°C. Sol. alcohol, ether. Uses—mfr. dyes, nigrosine, intermediate and organic chemicals. Grades—tech.

Republic Chem Corp, 94 Beekman St, N Y 38
*Verona Chem Co, 26 Verona Ave, Newark, N J

p-NITROPHENOL

$NO_2C_6H_4OH$. Colorless or yellowish cryst. Sp. gr. 1.479. M.P. 113.8°C. Decomp. at 279°C. Sol. alcohol, ether; sl. sol. water. Uses—mfr. intermediates, organic chemicals, sulfur colors, para-aminophenol, paranitrophenetole, paraphenetidine, methylpara-aminophenol, photographic developers, salophen, phenacetin, phenolphthalein. Grades—tech (99%); paste, 70%.

*Buckman Labs, Memphis, Tenn
*Calco Chem Div, Bound Brook, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Republic Chem Corp, 94 Beekman St, N Y 38
*Verona Chem Co, 26 Verona Ave, Newark, N Y

1-NITROPROPANE

$CH_3CH_2CH_2NO_2$. M.W. 89. Water-white liq. Sl. sol. water; miscible with organic liq. Uses—raw material for synthesis; solvent for cellulose esters, vinyl copolymers, dyes, resins.

*Commercial Solvents Corp, 17 E 42 St, N Y 17

2-NITROPROPANE

$CH_3CHNO_2CH_3$. M.W. 89. Water-white liq. B.P. 120°C. Freezing Pt. —93°C. Flash Pt. (Tagliabue open cup) 75°F. Refractive Index at 20°C, 1.3941. Sp. gr. 0.992 at 20°C.

*Commercial Solvents Corp, 17 E 42 St, N Y 17

p-NITROSO DIMETHYLANILINE

$NOC_6H_4N(CH_3)_2$. M.W. 150.09. Green leaflets. M.P. 85°C. Sol. alcohol, ether. Uses—mfr. methylene blue, indophenol and other dyes, vulcanization accelerators. Grades—tech.

*Edwal Labs, Ringwood, Ill
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J

NITROSO-b-NAPHTHOL

$C_{10}H_6(NO)OH$. M.W. 173.06. Orange crystalline solid. M.P. 109.5°C. Sol. acetic acid, benzene, ether. Uses—reagent for analysis of metals, dye intermediate. Grades—reagent, tech.

Amend Drug & Chem Corp, 117-119 E 24 St, N Y

NITROSOPHENYL HYDROXYLAMINE see Cupferron

NITROTOLUENE (Ortho, Meta, Para)

$NO_2C_6H_4CH_3$. M.W. 137.06. Ortho—yellow liq. Meta—yellow solid crystalline. Para—yellow solid crystalline. Sp. gr. ortho 1.168. Meta 1.164 (19.1°C). Para 1.286 (20°C). M.P. ortho —10.6°C. Meta 15.5° C. Para 51.3°C. B.P. ortho 222.3°C. Meta 230 to 231°C. Para 237.7°C. Sol. alcohol, ether, benzol. Uses—mfr. toluidine, fuchsine, and other groups of synth. dyes, di and tri nitrotoluene, para and ortho nitrotoluene. Grades—tech.

Barclay Chem Co, 75 Varick St, N Y
National Aniline Div, 40 Rector St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38

m-NITRO-p-TOLUIDINE

$C_7H_8N_2O_2$. Crystalline powd. Uses—mfr. monoazo dyes, other intermediates.

*Calco Chem Div, Bound Brook, N J
*Ciba Co, 627 Greenwich St, N Y 14
Fallek Products Co, 163 Broadway, N Y 6
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
L & R Organic Products & Co, 50 White St, N Y 13
Republic Chem Corp, 94 Beekman St, N Y 38
*Sherwin-Williams Co, 100 Park Ave, N Y 17
Jos Turner & Co, Ridgefield, N J

o-NITROTOLUIDINE

$C_7H_7NO_2$. M.W. 137.06. Yellowish liq. at ordinary temp. M.P. —10°C. B.P. 222°C. Almost insol. water; sol. alcohol, benzene, petrol; benzin. Uses—mfr. a-toluidine, o-tolidine, o-nitro-benzoic acid, etc., as oxidizer in mfr. fuchsine.

Republic Chem Corp, 94 Beekman St, N Y 38

NITROUS OXIDE

N_2O. M.W. 44.02. Colorless gas at standard conditions, almost odorless, sweet taste. Uses—anesthesia; preservation of milk, cream, fruits.

*Thomas A Edison, P O Box 15, Stuyvesant Falls, N Y
Matheson Co, Paragon Div, E Rutherford, N J
*Ohio Chem & Surgical Equipment Co, 1400 Washington Ave, Madison 10, Wis

NONALDEHYDE (Pelargonaldehyde)

$C_9H_{18}O$. M.W. 142.1.

Dodge & Olcott, 180 Varick St, N Y 14
*Givaudan-Delawanna, 330 W 42 St, N Y 18

n-NONYL ALDEHYDE

*Givaudan-Delawanna, 330 W 42 St, N Y 18

NONYL BROMIDE

*Halogen Chem, 1505 Charlton Dr, Columbia, S C
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

NONYL PHENOL

*Jefferson Chem Co, 711 5 Ave, N Y 22
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Rohm & Haas Co, Washington Sq, Phila 5, Pa

NORGE NITER see Calcium Nitrate

NORWEGIAN SALTPETER see Calcium Nitrate

NITROPARAFFINS

Powerful solvents . . . Materials for synthesis

NITROMETHANE 1-NITROPROPANE
NITROETHANE 2-NITROPROPANE

COMMERCIAL SOLVENTS Corporation
17 EAST 42nd STREET, NEW YORK, N. Y.

*Company classifies itself as manufacturer or producer of this product

NOVOCAINE see Procaine Hydrochloride

NUTGALL EXTRACT see Gall Extract

NUTGALLS (Galls, Galla, Aleppo Galls, Mecca Galls, Turkey Galls)

Excrescences on various species of oak. Habitat—Persia, Syria, Turkey, Tripoli, Italy, France, Germany, Austria. Uses—mfr. gallic and gallitannic acids, black inks; as mordant in dyeing and printing textiles; tanning leather and source of tanning; in medicine. Grades—Chinese and Aleppey; whole and powdered.

Expedo Corp, 37 Wall St, N Y 5
Lundt & Co, 24 State St, N Y 4
Olson Sales Agency, 20 Broad St, N Y 5
*S B Penick & Co, 50 Church St, N Y 7

OAK EXTRACT (Quercin)

Extract made from bark of Quercus rubber. Uses—tanning leather products. Grades—25%.

*Florasynth Labs, 1513 Olmstead Ave, N Y 61
Olson Sales Agency, 20 Broad St, N Y 5

OCHRES

Earthy iron oxides. Yellow, red and brown. Natural product. Insol. Uses—as pigment in paints, varnishes, paper, linoleum, oil-cloth. Grades—based on tinctorial powd. and iron oxide content.

American Firstoline Corp, 420 Lexington Ave, N Y
American Pigment Corp, Pulaski, Va
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Charles B Chrystal Co, 53 Park Pl, N Y 7
Stanley Doggett, 75 Varick St, N Y 13
James H Furnam Co, 59 E Van Buren St, Chicago 5, Ill
Georgia Peruvian Ochre Co, 165 Broadway, N Y 6
*H Kohnstamm & Co, 83 Park Pl, N Y 7
L J & M La Place, Leliarts Lane, E Paterson, N J
Landers-Segal Color Co, 78 Delevan St, Bklyn 31, N Y
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
*Reichard-Coulston, 15 E 26 St, N Y 10
Republic Chem Corp, 94 Beekman St, N Y 38
*J Lee Smith & Co, 25 Ann St, N Y 38
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*C K Williams & Co, 640 N 13 St, Easton, Pa

OCTACHLORO-4,7-METHANO-TETRAHYDROINDANE see Chlordane

OCTADECANOL see Alcohol, Stearyl

OCTADECYL BROMIDE

*Halogen Chem, 1505 Charlton Dr, Columbia, S C
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Sapon Labs, 543 Union St, Bklyn, N Y

OCTANOL-1 see Alcohol, Octyl (Normal, Primary)

2-OCTANOL see Alcohol, Octyl (Normal, Secondary)

OCTANOYL CHLORIDE see Caprylyl Chloride

OCTYL ACETATE (2-Ethyl Hexyl Acetate)

$C_4H_9CH(C_2H_5)CHO$. Liq. boiling at 163.4°C. and with a sp. gr. of .8733 at 20°/20°C. Uses—lacquer and ink solvent.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Dodge & Olcott, 180 Varick St, N Y 14
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Maywood Chem Works, Maywood, N J
*Verona Chem Co, 26 Verona Ave, Newark, N J

OCTYL ALDEHYDE (2-Ethyl Hexanal)

$C_4H_9CH(C_2H_5)CHO$. Liq. boiling at 163.4°C. and with a sp. gr. of .8240 at 20°/20°C. Uses—synthesis.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
Legion Chem, 70 Wall St, N Y 5

OCTYL AMMONIUM PHOSPHATE

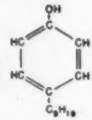
60% solution. Approx. chem. constitution $(C_8H_{17})(NH_4)_2PO_4$ and $(C_8H_{17})_2(NH_4)PO_4$. Pale straw color. Sl. ester odor. Sp. gr. 1.06. pH 7.0-7.4.

*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

OCTYL BROMIDE

*Halogen Chem, 1505 Charlton Dr, Columbia, S C
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
*Sapon Labs, 543 Union St, Bklyn, N Y

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NONYL PHENOL



USES: For the production of modified phenolic resins; nonionic surface active agents, lubricating oil additives, antioxidants, plasticizers, and agricultural chemicals. Send for Bulletin C-9-125.

KOPPERS COMPANY, INC.
Chemical Division
PITTSBURGH 19, PA.

OCTYL CHLORIDE

$C_8H_{17}Cl$. M.W. 148.64.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

OCTYL DECYL PHTHALATE

Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

tert-OCTYL DISULFIDE

$(C_8H_{17})_2S_2$. M.W. 323.14. B.R. 241-331°C. Uses—chemical intermediate.

*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

OCTYL LAURATE

*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa

tert-OCTYL MERCAPTAN

$C_8H_{17}SH$. M.W. 146.54. B.R. 161-188°C. Uses—chemical intermediate.

*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

n-OCTYL METHACRYLATE

$CH_2=C(CH_3)\text{-}COOC_8H_{17}$. M.W. 198. B.R. 138-146°C/30 mm. Sp. gr. 0.878. Uses—preparation of polymers and copolymers.

*Rohm & Haas Co, Washington Sq, Phila 5, Pa

OCTYL PHENOXY ETHANOL

$C_8H_{17}C_6H_4OC_2H_4OH$. M.W. 249. Insol. water. Uses—solvent, chemical intermediate.

*Rohm & Haas Co, Washington Sq, Phila 5, Pa

OCTYL STEARATE

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa

ODORANTS

*Aromatic Products, 15 E 30 St, N Y
Dodge & Olcott, 180 Varick St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del

ODORANTS, continued

*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Sindar Corp, 330 W 42 St, N Y 18
R T Vanderbilt Co, 230 Park Ave, N Y

ODORANTS, GAS

*Oronite Chem Co, 38 Sansome St, San Francisco 4, Cal
*Sharples Chem, 123 S Broad St, Phila 9, Pa

OESIPOS see Lanolin

OIL, ACETONE

Sl. colored, oily liq., penetrating odor. Sp. gr. 0.812-0.865. B.P. 75°-125°C (according to composition). Uses—alcohol denaturant; solvent; purifying dyes; cellulose esters, and others solvent; celluloid solvent. Grades—light; heavy.

Kingston Chem Co, 15 William St, N Y 5

OIL, ALMOND (Sweet Oil, Bland Oil)

a. Bitter. b. Sweet. From Amygdalus communis. Yellowish liq., aromatic odor. Sp. gr. a. 1.045-1.060. b. 0.915-0.920. M.P. a. and b. 13-14°C. B.P. a. 180° C. Sap. No. 189-200. Iodine No. 93-104. Acid No. 1.5. a. Sol. water, ether; insol. alcohol. b. Sol. alcohol, ether, chloroform, benzol. Uses—(Bitter)—mfr. soaps, perfume and pharmaceutical preps., toilet articles; flavoring agent in confectionery, food preps. and the like; in medicine. (Sweet or expressed)—mfr. soaps, perfume and pharmaceutical preps. cosmetics; lubricant for fine machines; in medicine. Grades—Bitter; U.S.P. free from Prussic acid; artificial (see Benzaldehyde). Sweet expressed; U.S.P.

Barclay Chem Co, 75 Varick St, N Y
Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Geo Lueders & Co, 427 Washington St, N Y 13
*J Manheimer, 214 E 21 St, N Y 19
T F McAdam, 125 Broad St, N Y 4
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
Welch, Holme & Clark Co, 439 West St, N Y 14

OIL OF ALMONDS (Synthetic) see Benzaldehyde

OIL OF ANTS (Synthetic) see Furfural

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5 GAS ODORANTS
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Cresylic Acids • Polybutenes • Naphthenic Acids
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Mercantile Securities Bldg., Dallas, Texas

*Company classifies itself as manufacturer or producer of this product

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G. A. Wharry & CO., INC.
95 Broad Street • New York 4, N. Y.
Cable Address: KAYWHARRY

OIL & FAT REFINING AGENTS

*Abeles-Wilson Chem Corp, 307 5 Ave, N Y 16
American Firstoline Corp, 420 Lexington Ave, N Y
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Darco Dept, Atlas Powder Co, 60 E 42 St, N Y

OIL, ANILINE see Aniline

OIL, ANISE

Colorless, thick liq. from anise seed. Uses—source of anethol, medicine, perfumery, flavoring.

L A Champon & Co, 303 W 42 St, N Y 18
Dalton-Cooper, 200 W 34 St, N Y
Dodge & Olcott, 180 Varick St, N Y 14
T M Duche & Sons, 117-119 Hudson St, N Y 13
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Charles Gitlan & Co, 25 Beaver St, N Y 4
Geo Lueders & Co, 427 Washington St, N Y 13
T F McAdam, 125 Broad St, N Y 4
Mutchler Chem Co, 258 Broadway, N Y 7
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
Herbert H Parker, 2 Broadway, N Y 4
*S B Penick & Co, 50 Church St, N Y 7
Prentiss Drug & Chem Co, 110 William St, N Y 38
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Tombarel Products Corp, 12 E 22 St, N Y 10
Torre Products Co, 52-54 Wooster St, N Y 13
O J Weeks Co, 16 Hudson St, N Y 13

OIL, ANTHRACENE see Anthracene

OIL, ANTHRACINE (Green) see Anthracene

OIL, APRICOT KERNEL (Oil of Persic)

Clear straw-colored oily liq. Sp. gr. 0.91/98. Uses—perfumery and cosmetics.

Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Geo Lueders & Co, 427 Washington St, N Y 13
Sterol Derivatives, 3626 Medford St, Los Angeles 63, Cal
O J Weeks Co, 16 Hudson St, N Y 13
Welch, Holme & Clark Co, 439 West St, N Y 14

OIL, ARACHIS see Oil, Peanut

OIL, BABASSU

Extracted from the kurnels of the nut of the palm Orbiguya speciosa, a sub-division of the family Attalea. Found in Brazil. In refined state is pale yellow color. Used in place of coconut in the soap kettle. Edible grade in place of olive and coconut oils. Sp. gr. at 100°/15°C. 0.867. Saponification value 242-253. Iodine number 12-13. M.P. 27-29°C.; Titre 24°C.

T G Cooper & Co, 2400 E Venango St, Phila 34, Pa
Dalton-Cooper, 200 W 34 St, N Y
Dura Chem Co, 20 Vesey St, N Y 7
*El Dorado Oil Works, 311 California Ave, San Francisco 4, Cal
Garrigues, Stewart & Davies, 75 West St, N Y 6
W R Grace & Co, 7 Hanover Sq, N Y 5
T F McAdam, 125 Broad St, N Y 4
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
*Vegetable Oil Products Co, 410 S Avalon Blvd, Wilmington, Cal
Welch, Holme & Clark Co, 439 West St, N Y 14

OIL, BANKS see Oil, Cod Liver

OIL, BEAN see Oil, Soya Bean

OIL, BENI see Oil, Sesame

OIL, BENNE see Oil, Sesame

OIL, BERGAMOT

A yellowish-green, volatile essential oil. Insol. water; sol. alcohol, ether. Contains linalyl acetate, limonene and linalol; used in perfumery, and as a histological clearing agent.

Barclay Chem Co, 75 Varick St, N Y
L A Champon & Co, 303 W 42 St, N Y 18
Dodge & Olcott, 180 Varick St, N Y 14
Dura Chem Co, 20 Vesey St, N Y 7
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Charles Gitlan & Co, 25 Beaver St, N Y 4
Lautier Fils, 321 S Ave, N Y 16
Geo Lueders & Co, 427 Washington St, N Y 13
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
P Robertet, 125 E 23 St, N Y 10
Roure DuPont, 366 Madison Ave, N Y 17
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Tombarel Products Corp, 12 E 22 St, N Y 10

OIL, BLAND see Oil, Almond

OIL, BLUBBER see Oil, Whale

OIL, BODY see Oil, Whale

OIL, BOILED see Oil, Linseed

OIL, BONE (Dippel, Hartshorn Oil)

Brown liq., repulsive odor. From destructive distillation of bones. Sp. gr. 0.900-0.980. Sol. water. Uses—mfr. pyrrole, organic preps., pyridine; as denaturant; in medicine. Grades—tech.

*Neatsfoot Oil Refineries Corp, E Ontario & Bath Sts, Phila 34, Pa
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

OIL, BRENROOT see Oil, Menhaden

OIL, CAMPHOR (Liquid Camphor)

Colorless, natural liq., characteristic odor. From woods and twigs of Cinnamonium camphora. Sp. gr. 0.870 to 1.040. Refractive Index 1.465—1.481 at 20°C. Constants vary considerably. Sol. ether, chloroform; insol. alcohol. Uses—mfr. safrol, pharmaceutical preps., soaps, shoe polishes, perfumery, lubricating oils and greases; as illuminant; substitute for turpentine in varnishes; type cleaner; in medicine. Grades—White, Japanese; Chinese; by-product (Sassafrassy).

OIL, CAMPHOR, continued

L A Champon & Co, 303 W 42 St, N Y 18
Dodge & Olcott, 180 Varick St, N Y 14
Dura Chem Co, 20 Vesey St, N Y 7
Fallek Products Co, 163 Broadway, N Y 6
T F McAdam, 125 Broad St, N Y 4
Mutchler Chem Co, 258 Broadway, N Y 7
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
Prentiss Drug & Chem Co, 110 William St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Siber Hegner & Co, 183 Madison Ave, N Y 16

OIL, CARYOPHIL see Oil, Cloves

OIL, CASHEW NUT SHELL

Bespaloff Trading Corp, 61 Broadway, N Y 6
*Brazil Oiticica, 80 Broad St, N Y 4
Garrigues, Stewart & Davies, 75 West St, N Y 6
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
Herbert H Parker, 2 Broadway, N Y 4

OIL, CASSIA (Chinese Oil of Cinnamon)

Yellowish or brownish liq., cinnamon-like odor. From bark of Cinnamonium cassia. Sp. gr. 1.045 to 1.063. B.P. 240 to 260°C. Sol. ether, chloroform; insol. alcohol. Uses—mfr. soaps, perfume and pharmaceutical preparations, cosmetics; tanning leather; in flavoring food preparations, confectionery, sweetmeats, spices; in medicine. Grades—U.S.P. redistilled; tech. (75—80%, 80—85¼% cinnamic aldehyde); lead-free (use in food products forbidden by Dept. Agriculture). Tech. permitted to be sold only on consumer affidavit for non-edible products.

L A Champon & Co, 303 W 42 St, N Y 18
*Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Charles Gitlan & Co, 25 Beaver St, N Y 4
*D W Hutchinson & Co, 162-164 Front St, N Y 38
Geo Lueders & Co, 427 Washington St, N Y 13
T F McAdam, 125 Broad St, N Y 4
Herbert H Parker, 2 Broadway, N Y 4
*S B Penick & Co, 50 Church St, N Y 7
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Tombarel Products Corp, 12 E 22 St, N Y 10
Wah-Chang Corp, 233 Broadway, N Y 7

OIL, CASTOR (Ricinus Oil)

Yellow to yellowish-brown, thick, non-drying, odorless, natural liq. From seeds of Ricinus communis. Sp. gr. 0.960-0.970. Solidifies at —10°C. Sap. No. 178. Iodine No. 85. Acid No. 0.8. Sol. alcohol, ether, benzene, chloroform, carbon bisulfide. Uses—mfr. Turkey red oil, fly paper, fly oils for treating cattle, toilet articles, cosmetics, pomades, rubber substitutes, sulfonated oils, toilet, textile and transparent soaps, lubricating, leather dressing and finishing, and electrical insulating compositions; alizarin assist and dyeing cottons; preservative and softener for leather articles; tanning leather; in medicine. Grades—U.S.P.; No. 1; No. 3.

American-British Chem Supplies, 180 Madison Ave, N Y
*Baker Castor Oil Co, 120 Broadway, N Y 5
*Baker Industrial Oils Co, 872 Drexel Bldg, Phila 6, Pa
Bendix Chem Corp, 420 Lexington Ave, N Y
Bespaloff Trading Corp, 61 Broadway, N Y 6
*Brazil Oiticica, 80 Broad St, N Y 4
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
*California Flaxseed Products Co, 3105 E 26 St, Los Angeles 23, Cal
John A Chew, 60 E 42 St, N Y 17
Harry Cohen, 982 Virginia Ave N E, Atlanta 6, Ga
*Concrete Specification Surfacing Co, 2 Broadway, N Y
*Sidney P Craven, 2 Broadway, N Y
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Dura Chem Co, 20 Vesey St, N Y 7
Frank G Fanning, 50 E 42 St, N Y 17
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
W R Grace & Co, 7 Hanover Sq, N Y 5

*Company classifies itself as manufacturer or producer of this product

OIL, CASTOR, continued

*Spencer Kellog & Sons, 98 Delaware Ave, Buffalo 5, N Y
Krekel Goetz Sales & Supply Co, 302 Housman Bldg, Grand Rapids 2, Mich
T F McAdam, 125 Broad St, N Y 4
Mutchler Chem Co, 258 Broadway, N Y 7
L W Neal, 1711 Manning St, Phila 3, Pa
Wm F Nye, Cogglesnall St Bridge, New Bedford, Mass
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
Pacific Wax Refining Co, 64 Pine St, San Francisco 11, Cal
Chas Page & Co, 50 E 42 St, N Y 17
Herbert H Parker, 2 Broadway, N Y 4
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Sarabhai Agencies, 4611 Rockefeller Plaza, N Y 20
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
John M H Shline Co, 342 Madison Ave, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Frederick H Timberlake, Drexel Bldg, Phila, Pa
Arthur C Trask Co, 4103 S LaSalle St, Chicago 9, Ill
Wah-Chang Corp, 233 Broadway, N Y 7
Welch, Holme & Clark Co, 439 West St, N Y 14

OIL, CASTOR ACETYLATED

$[C_6H_{13}\text{-}CH(OOCOCH_3)\text{-}CH_2CH{=}(CH_2)_7COO]_2C_3H_5$. M.W. 1058. Bright, clear, straw-colored liquid. Uses—plasticizer; ingredient of hydraulic fluids.

*Baker Castor Oil Co, 120 Broadway, N Y 5
L W Neal, 1711 Manning St, Phila 3, Pa
Chas Page & Co, 50 E 42 St, N Y 17
Woodward & Dickerson, 1400 S Penn Sq, Phila, Pa

OIL, CASTOR, AMMONIATED

Viscous liq. to jelled solid. Uses—plasticizer; ingredient of coating compositions; hydraulic brake fluids; caulking and gasket compounds.

*Baker Castor Oil Co, 120 Broadway, N Y 5
Barclay Chem Co, 75 Varick St, N Y
*California Flaxseed Products Co, 3125 E 26 St, Los Angeles 23, Cal
*Kali Mfg Co, 427 Moyer St, Phila 25, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Wah-Chang Corp, 233 Broadway, N Y 7

OIL, CASTOR BLOWN (Oxidized Castor oil)

American-British Chem Supplies, 180 Madison Ave, N Y
J M Baird Co, 147 Nassau St, N Y
*Baker Castor Oil Co, 120 Broadway, N Y 5
Bell Chem Co, 25 W 44 St, N Y 18
*Spencer Kellog & Sons, 98 Delaware Ave, Buffalo 5, N Y
L W Neal, 1711 Manning St, Phila 3, Pa

OIL, CASTOR, DEHYDRATED

A castor oil with part of the chemically-combined water removed. Uses—drying oil in paints, varnishes and other products.

*Baker Castor Oil Co, 120 Broadway, N Y 5
Barclay Chem Co, 75 Varick St, N Y
*California Flaxseed Products Co, 3125 E 26 St, Los Angeles 23, Cal
Hawkhurst & Co, Mills Tower, 220 Bush St, San Francisco 4, Cal
*Spencer Kellog & Sons, 98 Delaware Ave, Buffalo 5, N Y
L W Neal, 1711 Manning St, Phila 3, Pa
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
Scientific Oil Compounding Co, 1637 S Kilbourn Ave, Chicago 23, Ill
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Woburn Chem Corp, 1200 Harrison Ave, Kearny, N J

OIL, CASTOR, HYDROGENATED (Glyceryl Tri [12-Hydroxystearate])

$[C_6H_{13}CHOH(CH_2)_{10}COO]_3C_3H_5$. M.W. 939. Hard, brittle, waxlike solid, yellowish cream to milk-white in color.

*Archer-Daniels-Midland Co, 2191 W 110 St, Cleveland 2, Ohio
*Baker Castor Oil Co, 120 Broadway, N Y 5
Barclay Chem Co, 75 Varick St, N Y
L W Neal, 1711 Manning St, Phila 3, Pa
C L Zimmerman Co, N-204 Cincinnati Union Terminal, Cincinnati 3, Ohio

OIL, CASTOR OXIDIZED see Oil, Castor, Blown

OIL, CASTOR PHOSPHATED-UNNEUTRALIZED

Straw-colored, clear, viscous oil. Uses—finishing leather, surface active compound, plasticizer.

*Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2, Ohio
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

OIL, CASTOR PROCESSED

American-British Chem Supplies, 180 Madison Ave, N Y
J M Baird Co, 147 Nassau St, N Y
*Baker Castor Oil Co, 120 Broadway, N Y 5
Barclay Chem Co, 75 Varick St, N Y
Bell Chem Co, 25 W 44 St, N Y 18
Bendix Chem Corp, 420 Lexington Ave, N Y 17
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
*California Flaxseed Products Co, 3125 E 26 St, Los Angeles 23, Cal
Frank G Fanning, 50 E 42 St, N Y 17
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
*Spencer Kellog & Sons, 98 Delaware Ave, Buffalo 5, N Y
Legion Chem, 70 Wall St, N Y 5
L W Neal, 1711 Manning St, Phila 3, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
D H Osgood Co, 4181 Oakman Blvd, Detroit 4, Mich
Republic Chem Corp, 94 Beekman St, N Y 38
Scientific Oil Compounding Co, 1637 S Kilbourn Ave, Chicago 23, Ill
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill
Western Chem, Ft S W Gibbs St, Portland, Ore
Woodward & Dickerson, 1400 S Penn Sq, Phila, Pa
C L Zimmerman Co, N-204 Cincinnati Union Terminal, Cincinnati 3, Ohio

OIL, CEDAR WOOD

Essential oil from the wood of a large tree of the West Indies and South America. An odorous liq.; sol. alcohol. Contains cedrene and cedrol. Uses—medicinally as a stimulant; industrially in perfumery; insect destroyers.

Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa
Geo Lueders & Co, 427 Washington St, N Y 13
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
*S B Penick & Co, 50 Church St, N Y 7
*P Robertet, 125 E 23 St, N Y 10
Tombarel Products Corp, 12 E 22 St, N Y 10

OIL, CHINA see Balsam, Peruvian

OIL, CHINA WOOD (Tung Oil, Chinese-Wood Oil, Nut Oil)

Yellow, drying liq. From seeds of Aleurites cordata. Sp. gr. 0.9360 to 0.9432. Solidifying pt. 2-3°C. Sap. No. 193. Iodine No. 150-165, Acid No. 7-6-12. Uses—mfr. paints, varnishes, enamels, driers, spar varnishes, roof cements, putty, baking enamels, waterproof paints, soaps, linoleum, oil-cloth; in waterproofing concretes; in

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Baker

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- PROCESSED CASTOR OILS (Blown)
- ACETYLATED CASTOR OILS
- GELLED CASTOR OILS

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WOOLWORTH BUILDING
NEW YORK 7, NEW YORK

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Agents in all manufacturing areas

*Company classifies itself as manufacturer or producer of this product



CREOSOTE OIL

The standard wood preservative. All specifications—any quantities. In drums and tank cars from all plants. Also in barges and tankers from Newark, Norfolk, Mobile and Seattle.

TRANSOTE—A highly refined, scientifically blended transparent wood preservative which provides a colorless treatment for the preservation of wood against decay and insect attack. TRANSOTE treated wood is dry—not oily—and after a short aeration period is practically odorless. It can be glued, painted, varnished or finished in any desired manner.

REILLY Wood Preservative Oil—A highly toxic, non-volatile, yet highly penetrating creosote oil for brush, spray, pressure or dip application.

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REILLY TAR & CHEMICAL CORPORATION

MERCHANTS BANK BUILDING
Indianapolis 4, Indiana

OIL, CHINA WOOD, continued

medicine. Grades—as to purity—adulterated with soya bean and cottonseed oils.

*Baker Industrial Oils Co, 872 Drexel Bldg, Phila 6, Pa
Barclay Chem Co, 75 Varick St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
M D Craig & Co, 11 Broadway, N Y 4
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Garrigues, Stewart & Davies, 75 West St, N Y 6
W R Grace & Co, 7 Hanover Sq, N Y 5
Henry L Grund, 406 Bulkley Bldg, Cleveland, Ohio
M W Hardy & Co, 141 Broadway, N Y 6
Harry Haze, 435 N Michigan Ave, Chicago 11, Ill
C L Hueston Co, 1998 Glendale Ave, Detroit 6, Mich
Kingston Chem Co, 15 William St, N Y 5
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
*Leon Associates, 141 Broadway, N Y 6
T F McAdam, 125 Broad St, N Y 4
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
Republic Chem Corp, 94 Beekman St, N Y 38
Scientific Oil Compounding Co, 1637 S Kilbourn Ave, Chicago 23, Ill
Siber Hegner & Co, 183 Madison Ave, N Y 16
*Smead & Small, 1630 Hanna Bldg, Cleveland 15, Ohio
J W Stark Co, 804 New Center Bldg, Detroit 2, Mich
Wah-Chang Corp, 233 Broadway, N Y 7
Welch, Holme & Clark Co, 439 West St, N Y 14
G A Wharry & Co, 95 Broad St, N Y

OIL, CHINESE BEAN see Oil, Soya Bean

OIL, CHINESE-WOOD see Oil, China Wood

OIL, CITRONELLA

Yellow or greenish-yellow oil with agreeable odor. Uses—perfumes, medicine, insectifuge; source of citronellal, geraniol.

Barclay Chem Co, 75 Varick St, N Y
Bespaloff Trading Corp, 61 Broadway, N Y 6
Alfred D Brown Associates, 59 Pearl St, N Y 4
L A Champon & Co, 303 W 42 St, N Y 18
C B Coburn Co, 63 Market St, Lowell, Mass
Dodge & Olcott, 180 Varick St, N Y 14
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Dura Chem Co, 20 Vesey St, N Y 7
Expedo Corp, 37 Wall St, N Y 5
Failek Products Co, 163 Broadway, N Y 6
Florasynth Labs, 1513 Olmstead Ave, N Y 61

OIL, CITRONELLA, continued

Charles Gitlan & Co, 25 Beaver St, N Y 4
Geo Lueders & Co, 427 Washington St, N Y 13
T F McAdam, 125 Broad St, N Y 4
Mutchler Chem Co, 258 Broadway, N Y 7
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
Herbert H Parker, 2 Broadway, N Y 4
*S B Penick & Co, 50 Church St, N Y 7
Prentiss Drug & Chem Co, 110 William St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Siber Hegner & Co, 183 Madison Ave, N Y 16
Harold A Sothern, 230 Park Ave, N Y 17
Tombarel Products Corp, 12 E 22 St, N Y 10

OIL, CLOVES (Amboyna, Caryophil Oil)

Pale yellow, volatile liq., strong aromatic odor, becomes dark with age. From flowers of Eugenia aromatica. Sp. gr. 1.048-1.070. B.P. 250-260°C. Sol. ether, chloroform; insol. alcohol. Uses—mfr. perfume preparations, cosmetics, toilet articles, eugenol, toilet soaps; flavoring agent in food preparations, confectionery; silvering mirrors; in medicine. Grades—U.S.P.; tech.; twice rectified.

L A Champon & Co, 303 W 42 St, N Y 18
*Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Charles Gitlan & Co, 25 Beaver St, N Y 4
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Lautier Fils, 321 S Ave, N Y 16
Geo Lueders & Co, 427 Washington St, N Y 13
Herbert Marmorek & Son, 2153 78 St, Bklyn 14, N Y
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Tombarel Products Corp, 12 E 22 St, N Y 10

OIL, COCOANUT (Coco-nut Butter, Cocoa-nut Palm Oil, Cocos Oil)

White, amorp. semi-solid, characteristic odor. Sp. gr. 0.9115. M.P. 20-28°C. Sap. No. 250-258. Iodine No. 8.9. Acid No. 5-50. Sol. ether, chloroform, carbon disulfide; insol. alcohol. Uses—mfr. edible fats, chocolates, candies, food preps., salad oils, margarine, emulsions, baked products, vegetarian foods, cosmetics, toilet preparations, candles, night lights, white, shaving and free-lathering soaps; as ointment base; dyeing cottons; in medicine. Grades—Manila; Ceylon; Cochin; edible; crude; refined.

Alcar Products Co, 154 Nassau St, N Y 38
*Baker Industrial Oils Co, 872 Drexel Bldg, Phila 6, Pa
Barclay Chem Co, 75 Varick St, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
*Concrete Specification Surfacing Co, 2 Broadway, N Y
T G Cooper & Co, 2400 E Venango St, Phila 34, Pa
*Sidney P Craven, 2 Broadway, N Y
Dodge & Olcott, 180 Varick St, N Y 14
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E F Drew & Co, 15 E 26 St, N Y 10
*El Dorado Oil Works, 311 California Ave, San Francisco 4, Cal
Frey & Co, N Y Produce Exchange, N Y 4
Garrigues, Stewart & Davies, 75 West St, N Y 6
Charles Gitlan & Co, 25 Beaver St, N Y 4
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
*Kellog Spencer & Sons, 98 Delaware Ave, Buffalo 5, N Y
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
T F McAdam, 125 Broad St, N Y 4
*Carl F Miller & Co, 1217 6 Ave S, Seattle, Wash
*Old Empire Mfg Chemists, 31-33 Coes Pl, Newark 2, N J
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
Republic Chem Corp, 94 Beekman St, N Y 38
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Sin Tung Hing, 215 Market St, San Francisco 5, Cal
*Spiegel & Peiffer, 2 Broadway, N Y 4
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Frederick H Timberlake, Drexel Bldg, Phila, Pa
Jos Turner & Co, Ridgefield, N J
O J Weeks Co, 16 Hudson St, N Y 13
Welch, Holme & Clark Co, 439 West St, N Y 14

OIL, COCOANUT PALM see Oil, Cocoanut

OIL, COCOS see Oil, Cocoanut

OIL, COD

Uses—leather tanning and finishing. Grades—domestic; Newfoundland; Norwegian.

*Anderson Trading Corp, 66 Beaver St, N Y 44
*Arista Oil Products Co, Broadway, N Y 6
Harvey J Boutin & Son, 7 Front St, San Francisco 11, Cal
F M Browning Co, 150 Broadway, N Y 38
*E F Drew & Co, 15 E 26 St, N Y 10
Kehew-Bradley Co, 43 Purchase St, Boston 10, Mass
Lundt & Co, 24 State St, N Y 4
Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Republic Chem Corp, 94 Beekman St, N Y 38
Szenkovits Corp, Chrysler Bldg, N Y 17
Vitamins Inc, 809 W 58 St, Chicago 21, Ill
*Whittemore-Wright Co, 62 Alford St, Boston 29, Mass

OIL, COD LIVER (Banks Oil, Morrhua Oil, Oleum Morrhuae)

Yellowish-brown to reddish-brown liq., characteristic odor. From fresh livers of codfish, Gadus morrhua. Sp. gr. 0.922-0.930. Sap. No. 182-189. Iodine No. 141-159. Acid No. 5.6. Sol. ether, chloroform, carbon disulfide; insol. alcohol. Uses—mfr. pharmaceutical preparation; adulterant of linseed oil; tanning and curing leather and chamois leather; in medicine. Grades—Norwegian; Newfoundland; medicinal non-freezing; U.S.P.; pale; light-brown; dark-brown; tech. (see Oil, Cod).

S L Abbot Co, 135 King St, San Francisco 7, Cal
Albumina Supply Co, 2 Broadway, N Y 4
*Arista Oil Products Co, Broadway, N Y 6
C B Coburn Co, 63 Market St, Lowell, Mass
Gallard Schlesingerr Chem Co, 92 Liberty St, N Y
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
*International Fisheries Corp, 120 Wall St, N Y 5
*Leon Associates, 141 Broadway, N Y 6
Malone Oil Co, 2197 E 18 St, Cleveland 15, Ohio
*Marine Products Co, 345 W 1 St, Boston 27, Mass
Maxim Chem Co, 44 Cliff St, N Y 7
McKesson & Robbins, 155 E 44 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
Prentiss Drug & Chem Co, 110 William St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Salem Oil & Grease Co, 60 Grove St, Salem, Mass
Wm H Schutte Co, 325 W Huron St, Chicago 10, Ill
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Szenkovits Corp, Chrysler Bldg, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Vitamins Inc, 809 W 58 St, Chicago, Ill 21
*Whitmoyer Labs, 19 N Railroad St, Myerstown, Pa

OIL, COLZA see Oil, Rapeseed

OIL, CORN (Maize Oil)

Pale yellow. Natural. From germ of common corn, Zea mays. Sp. gr. 0.920-0.925. M.P. —17-23°C., solid at —10°C. Sap. No. 188-193. Iodine No. 111-123. Acid No. 1-7-2.06. Sol. ether, chloroform, amyl acetate, benzene, carbon disulfide. Uses—mfr. food, leather finishing, dressing, lubricating, textile softening and electrical insulating compositions, salad oil, lard, baked products, oleomargarine, paints, varnishes, soap powd., soft and textile soaps, rubber substitutes and imitations, rain-proof cloth, oil-cloth, linoleum; as lubricant; grinding paint pigments; substitute in hydrogenated form. Grades—crude; refined.

Bridge Chem Co, 2525 W Madison St, Chicago, Ill
*Clinton Foods, Clinton, Iowa
*Corn Products Refg Co, 17 Battery Pl, N Y 4
*E F Drew & Co, 15 E 26 St, N Y 10
Frey & Co, N Y Produce Exchange, N Y 4
*Penick & Ford, 420 Lexington Ave, N Y 17
*A E Staley Mfg Co, Decatur, Ill
Frederick H Timberlake, Drexel Bldg, Phila, Pa
E J Verde & Co, 335 Produce Exchange, N Y 4
Welch, Holme & Clark Co, 439 West St, N Y 14

OIL, COTTONSEED (Seed Oil, Cotton-Seed, Oleum Gossypii Seminis)

Pale yellow, yellowish-brown, dark red or black-red liq. From seeds of Gossypium herbaceum. Sp. gr. 0.922-0.930. M.P. 34-40°C. Sap. No. 191-196. Iodine No. 105-114. Acid No. 0.0. Sol. ether, benzene, chloroform, carbon disulfide; insol. alcohol. Uses—mfr. carron, cooking and salad oils, oleomargarine, lard and butter substitutes, laundry, toilet and textile soaps, Turkey red oil, tanning, dressing, waterproofing and lubricating compositions, phonograph records, cattle feed, cosmetics, toilet and pharmaceutical preparations; adulterant of olive oil; as lubricant; in canning; in medicine. Grades—crude; prime summer yellow; prime summer white; winter yellow; bleached; U.S.P.

*Agazarian & Co, 99 Hudson St, N Y 13
Barclay Chem Co, 75 Varick St, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E F Drew & Co, 15 E 26 St, N Y 10
*Farmers Cotton Oil Co, Drawer 980, Wilson, N C
Frey & Co, N Y Produce Exchange, N Y 4
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Mutchler Chem Co, 258 Broadway, N Y 7
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Southern Cotton Oil Co, 25 Broad St, N Y 4
Frederick H Timberlake, Drexel Bldg, Phila, Pa
Welch, Holme & Clark Co, 439 West St, N Y 14

OIL, CREOSOTE

A high boiling oil obtained from coal-tar and distilling above about 270°C.

*American Tar Co, Ft Wallingford Ave, Seattle 3, Wash
*Barrett Div, 40 Rector St, N Y 6
*Carbolineum Wood Preserving Co, 528 Highland Ave, Milwaukee 3, Wis
Chematar Inc, Exchange Pl, N Y 5

*Company classifies itself as manufacturer or producer of this product

U·S·S Creosote Oil

and Creosote-Coal Tar Solutions
Produced to comply with A.W.P.A.
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Tank-car quantities

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COAL CHEMICALS

UNITED STATES STEEL

OIL, CREOSOTE, continued

Cliffs Dow Chem Co, Wright St, Marquette, Mich
Cole Labs, 42-25 9 St, L I C 1, N Y
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
J C Drouillard Co, Rockefeller Bldg, Cleveland 13, Ohio
*Heyden Chem Corp, 290-300 Dr, Garfield, N J
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
Republic Chem Corp, 94 Beekman St, N Y 38
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

OIL, EARTH-NUT see Oil, Peanut

OIL, FLAXSEED see Oil, Linseed

OIL, FLORENCE see Oil, Olive

OIL, FUSEL (Alcohol, Amyl, Grain Oil, Potato Oil, Potato Spirit)

$CH_3.CH_2CH(CH)_2OH$. Colorless liq, disagreeable odor. Sp. gr. 0.814. B.P. 130°C. Sol. water, alcohol, gasoline, ether. Uses—mfr. amyl acetate and other amyl chemicals, various esters such as salicylic, valerianic, etc., aromatic perfume esters, synth. rubber, special varnishes, resins, waxes, lacquers, artificial fruit syrups, intermediates, organic chemicals, nitrocellulose plastics; as general solvent; solvent for fats and oils; laboratory reagent; gelatinizing agent in smokeless powd.; in photometry. Grades—crude; commercial; various degrees of refined rated as to boiling point. See also Alcohol, Amyl.

W W Angus, 220 Broadway, N Y
Barclay Chem Co, 75 Varick St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
Geo Lueders & Co, 427 Washington St, N Y 13
Republic Chem Corp, 94 Beekman St, N Y 38
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
George Uhe Co, 76 9 Ave, N Y 14
Welch, Holme & Clark Co, 439 West St, N Y 14

OIL, GAULTHERIA (Synthetic) see Methyl Salicylate

OIL, GIGELY see Oil, Sesame

OIL, GINGELLY see Oil, Sesame

OIL, GINGILI see Oil, Sesame

OIL, GINGILY see Oil, Sesame

OIL, GRAIN see Oil, Fusel

OIL, GREEN see Chromium Oxide

OIL, HARTSHORN see Oil, Bone

OIL, HERRING

Pale yellow to dark red, natural liq. From herring. Sp. gr. 0.9202-0.932. M.P. 30-31.5°C. Sap. No. 179-194. Iodine No. 130-142. Acid No. 1.8-4.4. Sol. ether, chloroform, benzene, carbon disulfide. Uses as lubricant; currying and finishing leather. Grades—mfr. soaps, printing inks, lubricating compositions; —domestic; Japanese.

M W Hardy & Co, 141 Broadway, N Y 6
*Leon Associates, 141 Broadway, N Y 6
*Mearl Corp, 153 Waverly Pl, N Y 14
Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
Szenkovits Corp, Chrysler Bldg, N Y 17
Vitamins Inc, 809 W 58 St, Chicago 21, Ill

OIL, JAPAN FISH see Oil, Sardine

OIL, KATCHUNG see Oil, Peanut

OIL, LACCU see Oil, Olive

OIL, LARD

Colorless or yellow, natural solid or semi solid, peculiar odor. From lard by cold pressing. Sp. gr. 0.915. Solidifies at 0°C. Sap. No. 195-196. Iodine No. 56-74. Sol. ether, chloroform, carbon disulfide; insol. alcohol. Uses—mfr. soaps, candles, lubricating and metal cutting compositions, lighthouse and signal lamps, baked products, confectionery, margarine and food preparations; as lubricant. Grades—prime winter edible; prime winter inedible; off prime; extra No. 1; No. 1; No. 2.

S L Abbot Co, 135 King St, San Francisco 7, Cal
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
Barclay Chem Co, 75 Varick St, N Y
Conray Products, 510 6 Ave, N Y 11
Frank G Fanning, 50 E 42 St, N Y 17
Frey & Co, N Y Produce Exchange, N Y 4
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
F J Heap & Son, 65 High St, Boston, Mass
Kehew-Bradley Co, 43 Purchase St, Boston 10, Mass
Malone Oil Co, 2197 E 18 St, Cleveland 15, Ohio
*Marcus-Ruth-Jerome Co, 327 S LaSalle St, Chicago, Ill
*Neatsfoot Oil Refineries Corp, E Ontario & Bath Sts, Phila 34, Pa
New England Chem Co, 486 Boylston St, Boston 16, Mass
Wm F Nye, Coggleshall St Bridge, New Bedford, Mass
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
*George Pfau Sons Co, Jeffersonville, Ind
E J Verde & Co, 335 Produce Exchange, N Y 4
Welch, Holme & Clark Co, 439 West St, N Y 14
L N White & Co, 24 Stone St, N Y 4
W A Wood Co, 45 Purchase St, Boston, Mass

OIL, LEMON

A pale yellow essential oil of fragrant odor, expressed from fresh lemon peels. Insol. water; sol. alcohol or ether. Used extensively in flavoring extracts, lemonades, etc.

L A Champon & Co, 303 W 42 St, N Y 18
Consumers Products Co, 99 Hudson St, N Y 13
Dalton-Cooper, 200 W 34 St, N Y
Dodge & Olcott, 180 Varick St, N Y 14
T M Duche & Sons, 117-119 Hudson St, N Y 13
Dura Chem Co, 20 Vesey St, N Y 7
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Charles Gitlan & Co, 25 Beaver St, N Y 4
*D W Hutchinson & Co, 162-164 Front St, N Y 38
*V & E Kohnstamm, 329 Canal St, N Y 13
Geo Lueders & Co, 427 Washington St, N Y 13
Herbert Marmorek & Son, 2153 78 St, Bklyn 14, N Y
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
*S B Penick & Co, 50 Church St, N Y 7
*P Robertet, 125 E 23 St, N Y 10
Roure DuPont, 366 Madison Ave, N Y 17
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Tombarel Products Corp, 12 E 22 St, N Y 10
O J Weeks Co, 16 Hudson St, N Y 13

OIL, LINSEED (Boiled Oil, Flaxseed Oil, Linnen Seed, Oleum Lini)

Golden yellow, amber or brown, natural liq., peculiar odor. From seeds of flax plant, Linum usitatissimum. Sp. gr. 0.9316-0.9354. Sap. No. 189-195. Iodine No. 170-188. Acid No. 0.8-8.4. Sol. chloroform, amyl acetate, carbon bisulfide, benzene, turpentine; insol. alcohol. Uses—mfr. paints, varnishes, enamels, lacquers, stains, roof cements, putties, primers, linoleum, oil-cloth, soft soaps, printing and lithographic inks, linoleate driers, patent and enamelled leathers, wood preservatives, furniture polishes, carron oil preparations, boiled oil, core oils, plastic compositions, artificial rubber; tempering steels; in photography; coating silk threads; in medicine. Grades—raw; boiled; double boiled; blown; varnish makers; refined; U.S.P.

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- OLEIC ACID
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EASTERN OFFICE: 311 Produce Exchange Bldg. New York, N.Y. • Whitehall 4-5198
REFINERY: Neville Island, Pa. • Fe 1-0367

OIL, LINSEED, continued

Alcar Products Co, 154 Nassau St, N Y 38
*Baker Castor Oil Co, 120 Broadway, N Y 5
*Baker Industrial Oils Co, 872 Drexel Bldg, Phila 6, Pa
Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Bespaloff Trading Corp, 61 Broadway, N Y 6
C B Coburn Co, 63 Market St, Lowell, Mass
M D Craig & Co, 11 Broadway, N Y 4
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*E F Drew & Co, 15 E 26 St, N Y 10
J C Drouillard Co, Rockefeller Bldg, Cleveland 13, Ohio
Garrigues, Stewart & Davies, 75 West St, N Y 6
Wm S Gray & Co, 342 Madison Ave, N Y 17
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Hawxhurst & Co, Mills Tower, 220 Bush St, San Francisco 4, Cal
Harry Haze, 435 N Michigan Ave, Chicago 11, Ill
Hoosier Solvents & Chem Corp, 1650 Luett St, Indianapolis 22, Ind
C L Hueston Co, 1998 Glendale Ave, Detroit 6, Mich
Impervious Paint & Varnish Co, 1672 Kinsey St, Phila 24, Pa
Industrial Oil Products Corp, 5641 District Blvd, Los Angeles 22, Cal
Industrial Sales Corp, 500 5 Ave, N Y 18
*Kellog Spencer & Sons, 98 Delaware Ave, Buffalo 5, N Y
Krekel Goetz Sales & Supply Co, 302 Housman Bldg, Grand Rapids 2, Mich
T F McAdam, 125 Broad St, N Y 4
Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 7, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
*Pittsburgh Plate Glass Co, Linseed Oil Div, Red Wing, Minn
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Sarabhai Agencies, 4611 Rockefeller Plaza, N Y 20
George Senn, 2200 E Westmoreland St, Phila 34, Pa
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
*Smead & Small, 1630 Hanna Bldg, Cleveland 15, Ohio
*South Texas Cotton Oil Co, P O Box 337, Houston 1, Tex
Sunnyside Oil Co, 2212 W Sunnyside Ave, Chicago 25, Ill

*Company classifies itself as manufacturer or producer of this product

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OIL, LINSEED, continued

Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Warner-Graham Co, President & Fawn Sts, Baltimore 2, Md
Warren-Douglas Chem, 1513 Burt St, Omaha 2, Neb
Welch, Holme & Clark Co, 439 West St, N Y 14
G A Wharry & Co, 95 Broad St, N Y
Wolverine Solvents & Chem Co, 1500 Century Ave, Grand Rapids 9, Mich
C L Zimmerman Co, N-204 Cincinnati Union Terminal, Cincinnati 3, Ohio

OIL, LIQUID PATCH see Creosote, Coal-Tar

OIL, MAIZE see Oil, Corn

OIL, MANDARIN

The essential oil from Mandarine. B.P. 175-179°C. Contains limonene, citral and methyl anthranilate.

Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Lautier Fils, 321 5 Ave, N Y 16
Geo Lueders & Co, 427 Washington St, N Y 13
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
*P Robertet, 125 E 23 St, N Y 10
Tombarel Products Corp, 12 E 22 St, N Y 10

OIL, MENHADEN (Oil Mossbunker, Oil Pogy, Oil Brenroot)

Yellowish-brown or reddish-brown, characteristic odor. From menhaden fish. Sp. gr. 0.927-0.933. M.P. 38.5-47.2°C. Solidifies at —4°. Sap. No. 190.6. Iodine No. 139-180. Acid No. 3-11.6. Sol. ether, benzene naphtha, carbon disulfide. Uses—mfr. sod oil, paints, varnishes, enamels, lacquers, rope linoleum, oil-cloth, fats by hydrogenation, tallow substitutes, soaps, printing and lithographic inks, rubber substitutes, finishing and dressing compositions for leather; adulterant of cod liver oil; curing leather; in place of linseed oil in patent leather; chamois tanning; tempering steels; as waterproofing agent. Grades—Northern; Southern; crude; dark pressed; light strained; yellow bleached; refined alkali; kettle-bodied light-pressed; blown.

*Crownoil Chem Co, 2-14 49 Ave, L I C 1, N Y
*E F Drew & Co, 15 E 26 St, N Y 10
*Industrial Oil Products Corp, Margaret & Pearce Sts, Phila 37, Pa
Industrial Oil Products Corp, 5641 District Blvd, Los Angeles 22, Cal
Joseph C Jett, Board of Trade Bldg, Norfolk 1, Va
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Leon Associates, 141 Broadway, N Y 6
*Marden-Wild Corp, 500 Columbia St, Somerville 43, Mass
Maxim Chem Co, 44 Cliff St, N Y 7
T F McAdam, 125 Broad St, N Y 4
*Menhaden Fish Products Co, 108 E York St, Baltimore 30, Md
Wm F Nye, Coggleshall St Bridge, New Bedford, Mass
Vitamins Inc, 809 W 58 St, Chicago 21, Ill
Welch, Holme & Clark Co, 439 West St, N Y 14

OIL, MINERAL (Liquid Paraffin, White Mineral Oil, White Oil, Paraffin Oil)

Mixture of liq. hydrocarbon obtained from petroleum. Colorless, oily, nonfluorescent, transparent liq. becoming thicker with cold; odor of petroleum when warm. Sp. gr. 0.828-0.905 (25°C.). B.P. not below 360°C. Sol benzene, chloroform, ether, carbon disulfide, oils; insol. in water, alcohol. M.P. 45°-48°C. Uses—in medicine; in sprays, insecticides; in paints, varnishes, lacquers; as a solvent. Grades—U.S.P.; tech.; Russian.

Allied Wax & Oil Products Corp, 145 Nassau St, N Y 7
Bergstrom Trading Co, 233 Broadway, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
C B Coburn Co, 63 Market St, Lowell, Mass
Harry Cohen, 982 Virginia Ave N E, Atlanta 6, Ga
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E F Drew & Co, 15 E 26 St, N Y 10
*S P Drummond, 67 Wall St, N Y
*Freedom-Valvoline Oil Co, 309 6 Ave, Freedom, Pa
*Gulf Refining Co, 722 Gulf Bldg, Pittsburgh 30, Pa
Harry Holland & Son, 95 Clinton St, Chicago 6, Ill
Kuhne-Libby Co, 54 Front St, N Y 4
McKesson & Robbins, 155 E 44 St, N Y 17
*Mineral Oil Refining Co, P O Box 625, Dickinson, Tex
Mutchler Chem Co, 258 Broadway, N Y 7
M W Parsons-Plymouth, 59 Beekman St, N Y 38
*Pennsylvania Refining Co, Butler, Pa
Petroleum Specialities, 205 E 42 St, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Standard Oil Co, 910 S Mich Ave, Chicago 80, Ill
Welch, Holme & Clark Co, 439 West St, N Y 14
West Co, 132 Library St, Chelsea 59, Mass
*Whitmoyer Labs, 19 N Railroad St, Myerstown, Pa

OIL MIRBANE see Nitrobenzene

OIL, MORRHUA see Oil, Cod Liver

OIL, MOSSBUNKER see Oil, Menhaden

OIL, MUSTARD SEED

*Baker Industrial Oils Co, 872 Drexel Bldg, Phila 6, Pa
T G Cooper & Co, 2400 E Venango St, Phila 34, Pa
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Garrigues, Stewart & Davies, 75 West St, N Y 6
W R Grace & Co, 7 Hanover Sq, N Y 5
T F McAdam, 125 Broad St, N Y 4
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
*Old Dutch Mustard Co, 111 Metropolitan Ave, Bklyn 11, N Y
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
Welch, Holme & Clark Co, 439 West St, N Y 14

OIL, NEATSFOOT (Hoofoil, Oleum Bubulum)

Pale yellow fixed liq. From feet of bovine cattle. Sp. gr. 0.916. M.P. 28.5-30.8°C. Sap. No. 194-99. Sol. ether, chloroform, kerosene; insol. alcohol. Uses—mfr. lubricating* compositions; dressing, finishing, tanning, oiling, waterproofing, and softening leather; cutting oil; oiling wood; general waterproofing agent; as lubricant. Grades—pure; cold pressed; No. 1; extra No. 1; also graded to cold test.

S L Abbot Co, 135 King St, San Francisco 7, Cal
*Arista Oil Products Co, Broadway, N Y 6
Bendix Chem Corp, 420 Lexington Ave, N Y
C B Coburn Co, 63 Market St, Lowell, Mass
Frey & Co, N Y Produce Exchange, N Y 4
W R Grace & Co, 7 Hanover Sq, N Y 5
*K & L Chem Co, 1052 W 78 St, Chicago 20, Ill
Kehew-Bradley Co, 43 Purchase St, Boston 10, Mass
Malone Oil Co, 2197 E 18 St, Cleveland 15, Ohio
Meves & Gregg, 110 N Front St, Phila 6, Pa
Mutchler Chem Co, 258 Broadway, N Y 7
*Neatsfoot Oil Refineries Corp, E Ontario & Bath Sts, Phila 34, Pa
Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Wm F Nye, Coggleshall St Bridge, New Bedford, Mass
Ovimpex Inc, 149 Broadway, N Y 6
*George Pfau Sons Co, Jeffersonville, Ind
Republic Chem Corp, 94 Beekman St, N Y 38
Salem Oil & Grease Co, 60 Grove St, Salem, Mass
E J Verde & Co, 335 Produce Exchange, N Y 4
Welch, Holme & Clark Co, 439 West St, N Y 14
W A Wood Co, 45 Purchase St, Boston, Mass

OIL OF NIOBE see Methyl Benzoate

OIL, NUT see Oil, China Wood

OIL, OITICICA

Oil derived from the fruit of Licania rigida of Brazil. Crude or raw oil is a white or cream-colored semi-liq. The semipolymerized oil is an amber-colored viscous liq. Uses—as a drying oil in paints, varnishes, etc.

*Baker Industrial Oils Co, 872 Drexel Bldg, Phila 6, Pa
Barclay Chem Co, 75 Varick St, N Y
Bergstrom Trading Co, 233 Broadway, N Y
Bespaloff Trading Corp, 61 Broadway, N Y 6
*Brazil Oiticica, 80 Broad St, N Y 4
T G Cooper & Co, 2400 E Venango St, Phila 34, Pa
M D Craig & Co, 11 Broadway, N Y 4
Dura Chem Co, 20 Vesey St, N Y 7
Garrigues, Stewart & Davies, 75 West St, N Y 6
W R Grace & Co, 7 Hanover Sq, N Y 5
Henry L Grund, 406 Bulkley Bldg, Cleveland, Ohio
C L Hueston Co, 1998 Glendale Ave, Detroit 6, Mich
*Leon Associates, 141 Broadway, N Y 6
T F McAdam, 125 Broad St, N Y 4
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
Republic Chem Corp, 94 Beekman St, N Y 38
Scientific Oil Compounding Co, 1637 S Kilbourn Ave, Chicago 23, Ill
*Smead & Small, 1630 Hanna Bldg, Cleveland 15, Ohio
G A Wharry & Co, 95 Broad St, N Y

OIL, OLIVE (Florence Oil, Lucca Oil, Oleum Olivae) —see also Olive Foots

Pale yellow or greenish, natural liq. From fruit of Olea europea. Sp. gr. 0.910-0.9181. F.P. —6°C. Sap. No. 185-196. Iodine No. 77-88. Acid No. 1.9-5.0. Sol. ether, chloroform, carbon disulfide. Uses—mfr. foods, salad oil, food and pharmaceutical preps., sweetmeats, oleomargarine, vegetable foods, etc., cosmetics creams, pomades, Castile and textile soaps, Turkey red oils, lubricating compositions, cutting oils; canning fish; boiling off silk; oiling wool; dyeing and printing textiles; as lubricant; finishing, dressing and tanning leather; in medicine. Grades—U.S.P.; edible as to source (French, Italian, Spanish, etc.); denatured.

J T Baker Chem Co, Phillipsburg, N J
*Baker Industrial Oils Co, 872 Drexel Bldg, Phila 6, Pa
Harry Cohen, 982 Virginia Ave N E, Atlanta 6, Ga

*Company classifies itself as manufacturer or producer of this product

ROSIN
TURPENTINE
PINE OIL— DIPENTENE — TERPENES
SOLVENTS— CHEMICALS
G. A. Wharry & CO., INC.
95 Broad Street · New York 4, N. Y.
Cable Address: KAYWHARRY

OIL, OLIVE, continued

T G Cooper & Co, 2400 E Venango St, Phila 34, Pa
Dalton-Cooper, 200 W 34 St, N Y
Frey & Co, N Y Produce Exchange, N Y 4
Enos F Jones Chem Co, 14 Florence St, Jersey City 4, N J
*V & E Kohnstamm, 329 Canal St, N Y 13
Legion Chem, 70 Wall St, N Y 5
Geo Lueders & Co, 427 Washington St, N Y 13
Lundt & Co, 24 State St, N Y 4
Montaner & Co, 116 Broad St, N Y 4
Mutchler Chem Co, 258 Broadway, N Y 7
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Frederick H Timberlake, Drexel Bldg, Phila, Pa
Jos Turner & Co, Ridgefield, N J
E J Verde & Co, 335 Produce Exchange, N Y 4
Welch, Holme & Clark Co, 439 West St, N Y 14
L N White & Co, 24 Stone St, N Y 4

OIL, ORANGE

An essential oil expressed from the peel or rind of oranges. A pale yellow liq. Insol. water; sol. alcohol, ether. It is used in flavoring extracts for the household and soda-water fountains, in perfumes, and in pharmaceutical preparations.

L A Champon & Co, 303 W 42 St, N Y 18
Dodge & Olcott, 180 Varick St, N Y 14
T M Duche & Sons, 117-119 Hudson St, N Y 13
Dura Chem Co, 20 Vesey St, N Y 7
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*D W Hutchinson & Co, 162-164 Front St, N Y 38
*V & E Kohnstamm, 329 Canal St, N Y 13
Geo Lueders & Co, 427 Washington St, N Y 13
Herbert Marmorek & Son, 2153 78 St, Bklyn 14, N Y
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
*S B Penick & Co, 50 Church St, N Y 7
Roure-DuPont, 366 Madison Ave, N Y 17
Tombarel Products Corp, 12 E 22 St, N Y 10
O J Weeks Co, 16 Hudson St, N Y 13

OIL, PALM (Palm Butter, Palm Grease, Oleum Palmæ)

Reddish-yellow, fatty mass, faint violet odor. Natural. From fruit of Elaisis guineensis. Sp. gr. 0.9025-0.9470. M.P. 27°-42.5°C. Sap. No. 196-205. Iodine No. 51.5-57. Acid No. 24-200. Sol. ether, chloroform, carbon disulfide; insol. alcohol. Uses—mfr. butter coloring, oleomargarine, butter substitutes, stearine, lubricating compositions, cutting oils, soaps, candles, cosmetics, toilet articles, perfume preparations, railway axle greases, rubber substitutes: as lubricant; softening and finishing cottons; coating iron plates in tinplate making; bleaching operations. Grades—Lagos; Niger; Benin; Calabar.

J T Baker Chem Co, Phillipsburg, N J
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
*Concrete Specification Surfacing Co, 2 Broadway, N Y
T G Cooper & Co, 2400 E Venango St, Phila 34, Pa
*Sidney P Craven, 2 Broadway, N Y
Dalton-Cooper, 200 W 34 St, N Y
*E F Drew & Co, 15 E 26 St, N Y 10
Charles Gitlan & Co, 25 Beaver St, N Y 4
M W Hardy & Co, 141 Broadway, N Y 6
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
Republic Chem Corp, 94 Beekman St, N Y 38
George F Smith, 60 E 42 St, N Y 17
Stein, Hall & Co, 285 Madison Ave, N Y 17
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill
Welch, Holme & Clark Co, 439 West St, N Y 14
Witco Chem Co, 295 Madison Ave, N Y 17

OIL, PALM KERNEL (Palm Nut Oil)

Yellowish natural liq. From nuts of Elaesis guineensis. Sp. gr. 0.952. M.P. 26-30°C. Sap. No. 247.6. Iodine No. 13.4-13.6. Acid No. 8.4. Sol. ether, carbon disulfide, chloroform; insol. alcohol. Uses—mfr. butter substitutes, oleomargarine, food compositions, confectionery, sweetmeats, vegetable foods, chocolate confections, soaps, pharmaceutical preparations, cutting tool lubricants, cosmetics: cotton goods softener; coating iron plates in the tinplate industry: in medicine. Grades—domestic; imported: crude; refined.

Maxim Chem Co, 44 Cliff St, N Y 7
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
Republic Chem Corp, 94 Beekman St, N Y 38
Jos Turner & Co, Ridgefield, N J
Welch, Holme & Clark Co, 439 West St, N Y 14

OIL, PALM NUT see Oil, Palm Kernel

OIL, PARAFFIN see Oil, Mineral

OIL, PEANUT (Arachis Oil, Earth-Nut Oil, Ground-Nut Oil, Katchung Oil)

Pale yellow, natural liq., nutty odor. From peanuts, Arachis hypogaea. Sp. gr. 0.916-0.922. Solidifies —5°C. Sap. No. 189-196. Iodine No. 83-101. Sol. ether, benzene, chloroform, carbon disulfide, carbon tetrachloride; insol. alcohol. Uses—mfr. edible oil, salad oil, oleomargarine, chocolates, vegetable foods, food and pharmaceutical preparations, lubricating compositions, fine soaps, varnishes; canning fish; as lubricant; adulterant of olive oil; oiling wool and degumming or boiling-off silks; softening artificial leather; tanning leather; in medicine. Grades—domestic; oriental crude; refined; edible.

*Concrete Specification Surfacing Co, 2 Broadway, N Y
Consumers Products Co, 99 Hudson St, N Y 13
*Sidney P Craven, 2 Broadway, N Y
*Darling & Co, 4204 S Ashland Ave, Chicago 9, Ill
*E F Drew & Co, 15 E 26 St, N Y 10
*Farmers Cotton Oil Co, Drawer 980, Wilson, N C
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
T F McAdam, 125 Broad St, N Y 4
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
Republic Chem Corp, 94 Beekman St, N Y 38
Sarabhai Agencies, 4611 Rockefeller Plaza, N Y 20
*Southern Cotton Oil Co, 25 Broad St, N Y 4
*Suffolk Oil Mill, P O Box 736, Suffolk, Va
Jos Turner & Co, Ridgefield, N J
E J Verde & Co, 335 Produce Exchange, N Y 4
Welch, Holme & Clark Co, 439 West St, N Y 14
L N White & Co, 24 Stone St, N Y 4

OIL, PEAR see Amyl Acetate

OIL, PEPPERMINT

An essential oil obtained by distilling peppermint. A colorless liq. of strong, agreeable odor. Insol. water; sol. alcohol, ether. Contains 50-90% menthol. Uses—for flavoring, medicinally as a stimulant and antispasmodic and in perfumery.

Amplex Co, 60 Wall St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Cole Labs, 42-45 9 St, L I C 1, N Y
Consumers Products Co, 99 Hudson St, N Y 13
Dodge & Olcott, 180 Varick St, N Y 14
T M Duche & Sons, 117-119 Hudson St, N Y 13
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Alex Fries & Bros, 1403 Central Pkwy, Cincinnati, Ohio
*D W Hutchinson & Co, 162-164 Front St, N Y 38
Geo Lueders & Co, 427 Washington St, N Y 13
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
*S B Penick & Co, 50 Church St, N Y 7
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
C F Ten Eyck Co, 1011 N Lake St, Burbank, Cal
Wah-Chang Corp, 233 Broadway, N Y 7
O J Weeks Co, 16 Hudson St, N Y 13

OIL, PERILLA

Light yellow, natural liq. From seeds of Perilla ocimoides. Sp. gr. 0.932-0.945. Sap. 191-193. Iodine No. 187-202. Sol. ether, chloroform, benzene, carbon disulfide; insol. alcohol. Uses—mfr. varnishes, paints, lacquers, enamels, artificial leather, printing and lithographic inks, paper products; substitute for linseed oil; edible purposes in East. Grades—as to purity.

*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal

OIL OF PERSIC see Oil, Apricot Kernel

OIL, PINE (Steam Distilled)

Water-white to bright yellow liq., characteristic pine odor. Natural. From dead Southern pine wood. Sp. gr. 0.925-0.942. B.P. 185-225°C. Ester. No. 3-10. Sol. ether, acetone, chloroform, benzene, solvent naphtha, turpentine, etc.; insol. alcohol. Uses—mfr. paints, varnishes, lacquers, enamels, shingle stains, perfume preparations, insecticidal and germicidal compositions, soaps, disinfectants, deodorants, fungicides, scouring and dyeing preparations, detergents, paper coating compositions, polishes; in ore flotation; textile kiering, degumming; deoiling.

S L Abbot Co, 135 King St, San Francisco 7, Cal
Bendix Chem Corp, 420 Lexington Ave, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
John A Chew, 60 E 42 St, N Y 17
Cole & De Graf, 417 Market St, San Francisco 5, Cal
Cole Labs, 42-25 9 St, L I C 1, N Y
T G Cooper & Co, 2400 E Venango St, Phila 34, Pa
*Crosby Chem, Drawer 32, De Ridder, La
*Dixie Pine Products Co, Drawer 470, Hattiesburg, Miss
J C Drouillard Co, Rockefeller Bldg, Cleveland 13, Ohio
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Gillies & Loughlin, 6363 Wilshire Blvd, Los Angeles 48, Cal
Charles Gitlan & Co, 25 Beaver St, N Y 4
Wm S Gray & Co, 342 Madison Ave, N Y 17
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
Hird & Conner, 88 Broad St, Boston 10, Mass
Geo Lueders & Co, 427 Washington St, N Y 13
George Mann & Co, 251 Fox Point Blvd, Providence, R I
Mutchler Chem Co, 258 Broadway, N Y 7
*Newport Industries, 230 Park Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
H N Richards Co, 1475 Prospect St, Trenton 8, N J
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Shapiro & Novick, 60 Broad St, N Y 4
*Southern Naval Stores, Columbia, Miss
J U Starkweather Co, 241 Allens Ave, Providence, R I
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill
Jos Turner & Co, Ridgefield, N J
Universal Chem Co, 30 Huntington Ave, Boston, Mass
G A Wharry & Co, 95 Broad St, N Y
T C Wilson Co, 503 Market St, San Francisco 5, Cal
Witco Chem Co, 295 Madison Ave, N Y 17

OIL, PINE-TAR see Oil, Tar

OIL, POGY see Oil, Menhaden

OIL, POPPY see Oil, Poppyseed

OIL, POPPYSEED (Poppy Oil)

Natural pale golden yellow liq., pleasant odor and taste. From seed of Papaver somniferum, album and nigrum. Sp. gr. 0.924-0.928. Sap. No. 189-196. Iodine No. 133-157. Acid No. 0.7.11.0. Sol. ether, chloroform, petroleum, carbon disulfide; insol. alcohol. Uses—mfr. lubricants, salad oil, artists' colors, varnishes, soaps; as leather dressing; substitute for olive oil; burning oil and illuminant. Grades—crude; red; white.

Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Herbert H Parker, 2 Broadway, N Y 4

OIL, POTATO see Oil, Fusel

OIL PULP see Aluminum Acetate, Basic

OIL, RAPE see Oil, Rapeseed

*Company classifies itself as manufacturer or producer of this product

STEARIC ACID

Red Oil—Hydrogenated Fatty Acids
Cottonseed Oil Fatty Acids
Corn Oil Fatty Acids
Tallow Fatty Acids
Specialty Fatty Acids—Glycerine
Pitch—White Oleine

W. C. HARDESTY CO., INC.
HARDESTY PRODUCTS ARE INDUSTRY'S KEYSTONE
ESTABLISHED 1926
90 EAST 42nd STREET, NEW YORK 17, N. Y.

41 EAST 42nd STREET, NEW YORK 17, N. Y.

FACTORIES: DOVER, OHIO TORONTO, CAN.

OIL, RAPESEED (Colza Oil, Rape Oil)

Natural dark-brown to pale yellow liq., unpleasant odor. From rapeseed Brassica campestris. Sp. gr. 0.9132-0.9168. Solidifies —2 to —10°C. Iodine No. 95.3-104.3. Sap. No. 170-177. Acid No. 1.4-13.2. Sol. ether, chloroform, carbon disulfide; insol. alcohol. Uses—mfr. food preparations, oleomargarine, lubricating compositions, cutting oils, rubber substitutes, soaps, blown oils; as condiment; lubricant; quenching oil in tempering steel; oiling wool. Grades—crude; refined; blown.

*Baker Industrial Oils Co, 872 Drexel Bldg, Phila 6, Pa
W R Grace & Co, 7 Hanover Sq, N Y 5
Lundt & Co, 24 State St, N Y 4
T F McAdam, 125 Broad St, N Y 4
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
Herbert H Parker, 2 Broadway, N Y 4
Wah-Chang Corp, 233 Broadway, N Y 7
Welch, Holme & Clark Co, 439 West St, N Y 14

OIL, RECTIFIED TAR see Oil, Tar

OIL, RED see Oleic Acid and advertisement on this page

OIL, RICINUS see Oil, Castor

OIL, ROSEWOOD

L A Champon & Co, 303 W 42 St, N Y 18
Dodge & Olcott, 180 Varick St, N Y 14
Dura Chem Co, 20 Vesey St, N Y 7
Lautier Fils, 321 5 Ave, N Y 16
Geo Lueders & Co, 427 Washington St, N Y 13
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
*Otis Astoria Corp, 222 11 Ave, N Y 1
Roure-DuPont, 366 Madison Ave, N Y 17
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

OIL, ROSIN (Codoil, Retinol, Rosinol)

Water-white to brown, thick, viscous odorless liq. Sp. gr. 0.980-1.110. Iodine No. 112-115. B.P. 280°C. Sol. ether, chloroform, oil of turpentine, fatty oils, carbon disulfide; insol. alcohol. Uses—mfr. lubricating compositions, printing inks; as adulterant for boiled linseed oil; as lubricant. Grades—first, second, and third run.

E W Colledge, G S A, P O Box 389, Jacksonville 1, Fla
*Glidden Co, Crestwood-Burton, Jacksonville, Fla
Hird & Conner, 88 Broad St, Boston 10, Mass
*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20
T C Wilson Co, 503 Market St, San Francisco 5, Cal

OIL, RUE

Natural, pale yellow to greenish volatile liq., characteristic odor. From Rutagraveolens. Sp. gr. 0.833-0.840. Solidifies —8 to —10°C. B.P. 215-232°C. Sol. ether; insol. alcohol. Uses—mfr. organic chemicals, methyl heptylketone, methylalyl ketone. Grades—tech.

Dodge & Olcott, 180 Varick St, N Y 14
*P Robertet, 125 E 23 St, N Y 10

OIL, SALMON

Natural, pale golden yellow liq. Sp. gr. 0.9258. Sap. No. 182-188. Iodine No. 161. Sol. ether, chloroform, benzine, carbon disulfide; insol. alcohol. Uses—mfr. soaps, dressing, finishing and currying compositions for leather, lubricating compositions; as lubricant. Grades—crude; refined.

Vitamins Inc, 809 W 58 St, Chicago 21, Ill

OIL, SARDINE (Oil, Japan Fish)

Amber to greenish-brown liq. Sp. gr. 0.928-0.993. M.P. 28-36°C. Acid No. 4-25. Hehner No. 95-97. Sap. No. 189-193. Iodine No. 181-193. Sol. ether, chloroform, benzine, carbon disulfide; insol. alcohol. Uses—mfr. soaps, degras; tanning leather; as lubricant. Grades—crude; refined.

*California Flaxseed Products Co, 3125 E 26 St, Los Angeles 23, Cal
Cole & De Graf, 417 Market St, San Francisco 5, Cal
*Crownoil Chem Co, 2-14 49 Ave, L I C 1, N Y
Hawkhurst & Co, Mills Tower, 220 Bush St, San Francisco 4, Cal
*Industrial Oil Products Corp, Margaret & Pearce Sts, Phila 37, Pa
Industrial Oil Products Corp, 5641 District Blvd, Los Angeles 22, Cal
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Van Camp Labs, 772 Tuna St, Terminal Is, Cal
Vitamins Inc, 809 W 58 St, Chicago 21, Ill
L N White & Co, 24 Stone St, N Y 4

OIL, SEAL

Oil obtained from blubber of Phoca Greenlandia and other species of seals. First class oil is water-white. Other grades range in color from yellow to dark brown. Sp. gr. 0.924-0.927. Uses—adulterants for linseed and cod liver oils, soap, tanning, inks and steel tempering.

OIL, SEAL, continued

*Arista Oil Products Co, Broadway, N Y 6
*Industrial Oil Products Corp, Margaret & Pearce Sts, Phila 37, Pa
*Marden-Wild Corp, 500 Columbia St, Somerville 43, Mass
Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Szenkovits Corp, Chrysler Bldg, N Y 17
Vitamins Inc, 809 W 58 St, Chicago 21, Ill

OIL, SEED see Oil, Cottonseed

OIL, SESAME (Beni Oil, Benne Oil, Gigely Oil, Gingili Oil, Gingelly Oil, Gingily Oil, Teal Oil, Teel Oil, Til Oil)

Natural yellow liq. From Sesame indicum. Sp. gr. 0.9210-0.9244 (15°C). M.P. 26-32°C. Congeals at —5°C. Iodine No. 188-193. Sol. ether, carbon disulfide, benzine, chloroform. Uses—mfr. food and lubricating compositions, sweetmeats, confectionery, oleomargarine, vegetable butters, soaps, toilet preps., cosmetics; as substitute for olive and almond oil; lubricant; in medicine. Grades—imported; domestic; tech.; edible; semi-refined.

Dodge & Olcott, 180 Varick St, N Y 14
Maxim Chem Co, 44 Cliff St, N Y 7
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Harold A Sothern, 230 Park Ave, N Y 17
Jos Turner & Co, Ridgefield, N J
Vitamins Inc, 809 W 58 St, Chicago 21, Ill
Wah-Chang Corp, 233 Broadway, N Y 7
Welch, Holme & Clark Co, 439 West St, N Y 14

OIL, SHARK see Oil, Shark Liver

OIL, SHARK LIVER (Shark Oil)

Reddish-yellow to light brown liq. Sp. gr. 0.9105-0.9260. Iodine No. 155. Sap. No. 140-173. Sol. ether, chloroform, benzene, carbon disulfide. Uses—mfr. leather dressings, paints, varnishes, soft soaps, textiles, oil-cloth, waterproofing, rubber substitutes; cod-liver oil adulterant. Grades—yellow strained; red; yellow; yellow-red; Japanese; crude; refined.

*Arista Oil Products Co, Broadway, N Y 6
*Consumers Import Co, 350 5 Ave, N Y 1
*Halibut Liver Oil Producers, 101 E 5 St, Plainfield, N J
*International Fisheries Corp, 120 Wall St, N Y 5
*Leon Associates, 141 Broadway, N Y 6
*Marine Products Co, 345 W 1 St, Boston 27, Mass
Maxim Chem Co, 44 Cliff St, N Y 7
Ovimpex Inc, 149 Broadway, N Y 6
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Van Camp Labs, 772 Tuna St, Terminal Is, Cal
Vitamins Inc, 809 W 58 St, Chicago 21, Ill

OIL, SHINGLE

Light brown coal tar derivative. Uses—as preservative or stain on wood, for ex. shingles.

*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
Republic Chem Corp, 94 Beekman St, N Y 38

OIL, SOD see Degras

OIL, SOJA BEAN see Oil, Soya Bean

OIL, SOLUBLE see Oil, Turkey Red

OIL, SOY see Oil, Soya Bean

OIL, SOYA BEAN (Chinese Bean Oil, Bean Oil, Soja Bean Oil, Soy Oil)

Natural pale yellow liq. From soya beans—Soja hispida, etc. Sp. gr. 0.922-0.928 (15°C). Solidifying point —15 to —8°C. Hehner No. 94-96. Sap. No. 190-193. Iodine No. 137-143. Sol. ether, chloroform, carbon disulfide; insol. alcohol. Uses—mfr. varnishes, paints, enamels, lacquers, soaps, candles, japans, printing and lithographic inks, cattle feeds, food compositions; adulterant and substitute for linseed oil; butter substitute; as illuminant; as food largely in China and Japan. Grades—crude; refined; edible.

*Baker Castor Oil Co, 120 Broadway, N Y 5
*Baker Industrial Oils Co, 872 Drexel Bldg, Phila 6, Pa
Barclay Chem Co, 75 Varick St, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
*Central Soya Co, Fort Wayne National Bank Bldg, Fort Wayne 2, Ind
*Clinton Foods, Clinton, Iowa
*Concrete Specification Surfacing Co, 2 Broadway, N Y
*Sidney P Craven, 2 Broadway, N Y
*E F Drew & Co, 15 E 26 St, N Y 10
*Farmers Cotton Oil Co, Drawer 980, Wilson, N C
*Gen Mills, Chem Div, 400 2 Ave S, Minneapolis, Minn
*Glidden Co, 5165 W Moffat St, Chicago 39, Ill
W R Grace & Co, 7 Hanover Sq, N Y 5

ROSIN OIL

Headquarters for Rosin Oils and Pine Pitches, with a highly organized research laboratory for the development of Compounds and Specialties to your individual requirements. *Send for "Pine Tree Products" booklet.*

NATIONAL ROSIN OIL PRODUCTS, Inc.
R. K. O. Building, Radio City, New York 20, N. Y.
BRANCHES IN PRINCIPAL CITIES
Pioneer Manufacturer and Refiner of Rosin Oils and Pine Pitch

*Company classifies itself as manufacturer or producer of this product

OIL, SOYA BEAN, continued

Hawkhurst & Co, Mills Tower, 220 Bush St, San Francisco 4, Cal
*Spencer Kellog & Sons, 98 Delaware Ave, Buffalo 5, N Y
Krekel Goetz Sales & Supply Co, 302 Housman Bldg, Grand Rapids 2, Mich
T F McAdam, 125 Broad St, N Y 4
*McMillen Feed Mills of Tenn, Memphis, Tenn
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
Herbert H Parker, 2 Broadway, N Y 4
Republic Chem Corp, 94 Beekman St, N Y 38
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
*Southern Cotton Oil Co, 25 Broad St, N Y 4
*Soya Products Div, 1825 N Laramie Ave, Chicago 39, Ill
*A E Staley Mfg Co, Decatur, Ill
*Suffolk Oil Mill, P O Box 736, Suffolk, Va
Frederick H Timberlake, Drexel Bldg, Phila, Pa
E J Verde & Co, 335 Produce Exchange, N Y 4
Welch, Holme & Clark Co, 439 West St, N Y 14
G A Wharry & Co, 95 Broad St, N Y
L N White & Co, 24 Stone St, N Y 4
C L Zimmerman Co, N-204 Cincinnati Union Terminal, Cincinnati 3, Ohio

SPERM OIL
AVAILABLE IN ANY AMOUNTS
Natural Winter • Bleached Winter
Bodied • Hydrogenated
Hydrofol PRODUCTS
Spermaceti Wax...Fatty Acids...Fatty Alcohols
ARCHER-DANIELS-MIDLAND Company
CHEMICAL PRODUCTS DIVISION
2192 West 110th Street • Cleveland 2, Ohio

OIL, SPERM

Yellowish-brown, natural liq. From sperm whale. Sp. gr. 0.8781-0.8835. Sap. No. 123-147. Iodine No. 79.5-84. Acid No. 13.2. Sol. ether, chloroform, benzine, insol. alcohol. Uses—mfr. leather dressing and finishing compositions, soaps, matches; lubricating compositions; as lubricant; illuminant and burning oil; quenching oil in tempering steel. Grades—crude; natural; bleached winter as to cold test.

S L Abbot Co, 135 King St, San Francisco 7, Cal
Albumina Supply Co, 2 Broadway, N Y 4
*Archer-Daniels-Midland Co, 2191 W 110 St, Cleveland 2, Ohio
Barclay Chem Co, 75 Varick St, N Y
Harvey J Boutin & Son, 7 Front St, San Francisco 11, Cal
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Kehew-Bradley Co, 43 Purchase St, Boston 10, Mass
Maxim Chem Co, 44 Cliff St, N Y 7
*Neatsfoot Oil Refineries Corp, E Ontario & Bath Sts, Phila 34, Pa
Wm F Nye, Coggleshall St Bridge, New Bedford, Mass
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Vitamins Inc, 809 W 58 St, Chicago 21, Ill
Welch, Holme & Clark Co, 439 West St, N Y 14

OIL, STILLINGIA see Oil, Tallow

OIL, SULFONATED see Oil, Turkey Red

OIL, SULFONATED CASTOR

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Antara Products Div, 435 Hudson St, N Y 14
*Apex Chem Co, 225 W 34 St, N Y 1
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
*Bryant Chem Corp, 6 North St, N Quincy, Mass
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E F Drew & Co, 15 E 26 St, N Y 10
*A Harrison & Co, P O Box 494, Pawtucket, R I
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
*Laurel Soap Mfg Co, Tioga & Thompson St, Phila 34, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
M W Parsons-Plymouth, 59 Beekman St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
*Ritter Chem Co, 403 W Main St, Amsterdam, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Royce Chem Co, Carlton Ave, Carlton Hill, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Southern Textile Chem Corp, 1407 Broadway, N Y 18
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
Arthur C Trask Co, 4103 S LaSalle St, Chicago 9, Ill
Jos Turner & Co, Ridgefield, N J
*Warwick Chem Co Div, Wood River Junction, R I
Welch, Holme & Clark Co, 439 West St, N Y 14
*Whittemore-Wright Co, 62 Alford St, Boston 29, Mass
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

OIL, SULFONATED COCONUT

Color—varies from pale yellow to brown. Mobile liquids to semi-solids. Sol. (emulsifiable) in water. Uses—plasticizing, defoaming, dispersing, emulsifying, penetrating, and softening agents.

OIL, SULFONATED COCONUT, continued

Barclay Chem Co, 75 Varick St, N Y
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
*E F Drew & Co, 15 E 26 St, N Y 10
*A Harrison & Co, P O Box 494, Pawtucket, R I
Kehew-Bradley Co, 43 Purchase St, Boston 10, Mass
*Marden-Wild Corp, 500 Columbia St, Somerville 43, Mass
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Republic Chem Corp, 94 Beekman St, N Y 38
Salem Oil & Grease Co, 60 Grove St, Salem, Mass
Wah-Chang Corp, 233 Broadway, N Y 7
Welch, Holme & Clark Co, 439 West St, N Y 14
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

OIL, SULFONATED COD

Color—varies from pale yellow to dark brown. Mobile liquids to semi-solids. Sol. (emulsifiable) in water. Uses—plasticizing, defoaming, dispersing, emulsifying, penetrating, and softening agents.

Harvey J Boutin & Son, 7 Front St, San Francisco 11, Cal
*E F Drew & Co, 15 E 26 St, N Y 10
*Fiber Chem Corp, Box 218, Matawan, N J
Fulton Process & Chem Corp, 97 2 St, Gloversville, N Y
*A Harrison & Co, P O Box 494, Pawtucket, R I
*Marden-Wild Corp, 500 Columbia St, Somerville 43, Mass
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Ottol Oil Co, 455 Cortlandt St, Belleville, N J
*Pennsylvania-Falk Chem Co, P O Box 1075, Pittsburgh 30, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Salem Oil & Grease Co, 60 Grove St, Salem, Mass
Welch, Holme & Clark Co, 439 West St, N Y 14
*Whittemore-Wright Co, 62 Alford St, Boston 29, Mass
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

OIL, SULFONATED NEATSFOOT

Barclay Chem Co, 75 Varick St, N Y
Harvey J Boutin & Son, 7 Front St, San Francisco 11, Cal
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
*E F Drew & Co, 15 E 26 St, N Y 10
*Fiber Chem Corp, Box 218, Matawan, N J
Fulton Process & Chem Corp, 97 2 St, Gloversville, N Y
*A Harrison & Co, P O Box 494, Pawtucket, R I
Kehew-Bradley Co, 43 Purchase St, Boston 10, Mass
*Marden-Wild Corp, 500 Columbia St, Somerville 43, Mass
*Neatsfoot Oil Refineries Corp, E Ontario & Bath Sts, Phila 34, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Ottol Oil Co, 455 Cortlandt St, Belleville, N J
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Welch, Holme & Clark Co, 439 West St, N Y 14
*Whittemore-Wright Co, 62 Alford St, Boston 29, Mass
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

OIL, SULFONATED OLIVE

Color—varies from pale yellow to dark brown. Mobile liquids to semi-solids. Sol. (emulsifiable) in water. Uses—plasticizing, defoaming, dispersing, emulsifying, penetrating, and softening agents.

*Barclay Chem Co, 75 Varick St, N Y
*E F Drew & Co, 15 E 26 St, N Y 10
*A Harrison & Co, P O Box 494, Pawtucket, R I
*Laurel Soap Mfg Co, Tioga & Thompson St, Phila 34, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Republic Chem Corp, 94 Beekman St, N Y 38
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

OIL, SULFONATED SPERM

Color—varies from pale yellow to dark brown. Mobile liquids to semi-solids. Sol. (emulsifiable) in water. Uses—plasticizing, defoaming, dispersing, emulsifying, penetrating, and softening agents.

Barclay Chem Co, 75 Varick St, N Y
*Carlisle Chem Works, West St, Reading 15, Ohio
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
*E F Drew & Co, 15 E 26 St, N Y 10
J C Drouillard Co, Rockefeller Blvd, Cleveland 13, Ohio
*Fiber Chem Corp, Box 218, Matawan, N J
Fulton Process & Chem Corp, 97 2 St, Gloversville, N Y
Kehew-Bradley Co, 43 Purchase St, Boston 10, Mass
*Marden-Wild Corp, 500 Columbia St, Somerville 43, Mass
*Neatsfoot Oil Refineries Corp, E Ontario & Bath Sts, Phila 34, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Ottol Oil Co, 455 Cortlandt St, Belleville, N J
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Salem Oil & Grease Co, 60 Grove St, Salem, Mass
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Welch, Holme & Clark Co, 439 West St, N Y 14
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

OIL, SULFONATED TEASEED

Used as a substitute for sulfonated olive oil. See Oils, Sulfonated for descriptive material.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*E F Drew & Co, 15 E 26 St, N Y 10
*Fiber Chem Corp, Box 218, Matawan, N J
Fulton Process & Chem Corp, 97 2 St, Gloversville, N Y
*Marden-Wild Corp, 500 Columbia St, Somerville 43, Mass
L W Neal, 1711 Manning St, Phila 3, Pa
*Ottol Oil Co, 455 Cortlandt St, Belleville, N J
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Tex-Chem Co, 20-21 Wagaraw Rd, Fairlawn, N J
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill
Arthur C Trask Co, 4103 S LaSalle St, Chicago 9, Ill
Jos Turner & Co, Ridgefield, N J
*Warwick Chem Co Div, Wood River Junction, R I
Welch, Holme & Clark Co, 439 West St, N Y 14
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

OIL, SUNFLOWER

Pale yellow liq. pleasant odor. Sp. gr. 0.924-0.926. Iodine No. 125. Refractive Index 1.4611. Sol. ether, carbon disulfide, chloroform; insol. alcohol. Uses—mfr. soaps, varnishes; as illuminant; edible in Russia. Grades—crude; refined.

M D Craig & Co, 11 Broadway, N Y 4
*E F Drew & Co, 15 E 26 St, N Y 10
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal

OIL, SWEET see Oil, Almond

OIL, TALL

A vegetable oil, by-product of the mfr. of pulp, often called liq. rosin, used in formulating soaps and soap paste, as an emulsifier, or wherever a high fatty acid is required, also in insecticide sprays, core oils, waterproofing, asphalt emulsification, coal dust sprays, etc. Supplied in crude and distilled grades.

S L Abbot Co, 135 King St, San Francisco 7, Cal
Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Alabama Binder & Chem Corp, 630 5 Ave, N Y 20
*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
*Arizona Chem Co, 30 Rockefeller Plaza, N Y 20
Barclay Chem Co, 75 Varick St, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill

TALL OIL

Crude, Semi-Refined and Refined

●

CAMP MFG. CO., INC.

PRIMARY PRODUCERS OF TALL OIL, REFINED SULPHATE TURPENTINE, AND MANUFACTURERS OF KRAFT PULP AND PAPER.

FRANKLIN, VIRGINIA

60 EAST 42nd ST., NEW YORK 17, N. Y.

Technical and Edible

OILS

- Castor
- Cocoanut
- Corn
- Cottonseed
- Lard
- Linseed
- Mineral
- Babassu
- Rice Bran
- Neatsfoot
- Palm
- Peanut
- Petrolatums
- Red (Oleic)
- Sesame
- Soybean
- Tall

Sulfonated Oils

Welch, Holme & Clark Co., Inc.

439 WEST STREET NEW YORK 14, N.Y.

OIL, TALL, continued

*Camp Mfg Co, 60 E 42 St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
Cole & De Graf, 417 Market St, San Francisco 5, Cal
Concord Chem Co, Moorestown, N J
*Continental Can Co, Hopewell, Va
T G Cooper & Co, 2400 E Venango St, Phila 34, Pa
*Crossett Chem Co, Crossett, Ark
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
Harry Dixon & Sons, 250 Park Ave, N Y 17
*E F Drew & Co, 15 E 26 St, N Y 10
Faesy & Besthoff, 325 Spring St, N Y 13
Gulf State Paper Corp, Tuscaloosa, Ala
Hawkhurst & Co, Mills Tower, 220 Bush St, San Francisco 4, Cal
Harry Haze, 435 N Michigan Ave, Chicago 11, Ill
Harry Holland & Son, 95 Clinton St, Chicago 6, Ill
Hoosier Solvents & Chem Corp, 1650 Luett St, Indianapolis 22, Ind
*Newport Industries, 230 Park Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Rimco Trading Corp, 3001 Netherland Ave, N Y 63
Shepard Chem Corp, 117 Liberty St, N Y 6
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Frederick H Timberlake, Drexel Bldg, Phila, Pa
Arthur C Trask Co, 4103 S LaSalle St, Chicago 9, Ill
*Union Bag & Paper Corp, 233 Broadway, N Y 7
Welch, Holme & Clark Co, 439 West St, N Y 14
*West Va Pulp & Paper Co, 230 Park Ave, N Y 17
T C Wilson Co, 503 Market St, San Francisco 5, Cal

OIL, TALLOW (Oil, Tallow Seed, Oil, Stillingia)

Natural, pale yellow liq., linseed-like odor. From seeds of Stillingia sebifera. Sp. gr. 0.9432-0.9458. Saponification No. 210. Iodine No. 160. Insol. alcohol. Uses—mfr. lubricating compositions, candles, soaps, cutting oils; as lubricant; dressing and finishing agent; dyeing and printing calico; detergent. Grades—regular; acidless.

*E F Drew & Co, 15 E 26 St, N Y 10
W R Grace & Co, 7 Hanover Sq, N Y 5
*Marcus-Ruth-Jerome Co, 327 S LaSalle St, Chicago, Ill
*Neatsfoot Oil Refineries Corp, E Ontario & Bath Sts, Phila 34, Pa
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
*George Pfau Sons Co, Jeffersonville, Ind
Welch, Holme & Clark Co, 439 West St, N Y 14
L N White & Co, 24 Stone St, N Y 4

OIL, TALLOW (Acidless)

Pure animal product, with titre of 40-41; acid not over 1%. Chief use—in lubricating compounds.

*Armour & Co, 1355 W 31 St, Chicago 9, Ill
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
W C Hardesty Co, 41 E 42 St, N Y 17
*Marcus-Ruth-Jerome Co, 327 S LaSalle St, Chicago, Ill
*Neatsfoot Oil Refineries Corp, E Ontario & Bath Sts, Phila 34, Pa
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
Pacific Wax Refining Co, 64 Pine St, San Francisco 11, Cal
*George Pfau Sons Co, Jeffersonville, Ind
Welch, Holme & Clark Co, 439 West St, N Y 14

OIL, TALLOW SEED see Oil, Tallow

OIL, TAR (Pine-Tar Oil, Rectified Tar Oil)

Colorless to dark reddish-brown liq., tarry odor. From wood tar derived from Pinus palustris. Sp. gr. 0.862-0.872. Sol. ether, chloroform, carbon disulfide. Uses—mfr. insecticidal and germicidal compositions, pharmaceutical preps.; mineral flotation oil; general disinfectant; in medicine. Grades—tech.

*Barrett Div, 40 Rector St, N Y 6
*Carbolineum Wood Preserving Co, 528 W Highland Ave, Milwaukee 3, Wis
Chematar Inc, Exchange Pl, N Y 5
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Louisiana Pine Products Co, P O Box 814, Alexandria 4, La
*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
Chas Page & Co, 50 E 42 St, N Y 17
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Rubber Asphalt Oil & Mining Corp, 1833 Marney Ave, Los Angeles 32, Cal

OIL, TAR ACID

Black liq. Sp. gr. 0.950-1.090. Sol. xylene. Uses—source of tar acids (phenol, the cresols, xylenols, cresylic acid; also of tar bases) pyridine, the picolines, lutidines, parvolines, quinoline, etc.; also in mfr. of disinfectants, sheep and animal dips. Grades—25 and 50% tar acids.

American-British Chem Supplies, 180 Madison Ave, N Y
*Barrett Div, 40 Rector St, N Y 6
*Bethlehem Steel Co, 701 E 3 St, Bethlehem, Pa
Chematar Inc, Exchange Pl, N Y 5
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
Interocean Chem & Minerals Corp, 120 Broadway, N Y 5
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
McKesson & Robbins, 155 E 44 St, N Y 17
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
Chas Page & Co, 50 E 42 St, N Y 17
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
Reinhart Chem Corp, 405 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

OIL, TEAL see Oil, Sesame

OIL, TEASEED

Oil derived from special species of tea plants. Commercial oil is chiefly from the seed of Thea sasanqua, cultivated in Assam, China, Japan and elsewhere. Kernels contain up to 60% oil and are about 70% of the seed. Sp. gr. at 15°C. 0.915-0.919. Iodine number 50 to 87. Titre 13°C to 145°C. Sap. value 190 to 195. Uses—refined for edible purposes; crude as a lubricant, etc.

T G Cooper & Co, 2400 E Venango St, Phila 34, Pa
Paul A Dunkel & Co, 1 Wall St, N Y 5
Charles Gitlan & Co, 25 Beaver St, N Y 4
W R Grace & Co, 7 Hanover Sq, N Y 5
T F McAdam, 125 Broad St, N Y 4
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal

OIL, TEEL see Oil, Sesame

OIL, TIL see Oil, Sesame

OIL, TRAIN see Oil, Whale

OIL TREATING COMPOUNDS

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Celanese Corp of America, 180 Madison Ave, N Y 16
*Chapman Chem Co, 707 Dermon Bldg, Memphis, Tenn
*Flexoid Products, 170 Summer St, Boston, Mass
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Wasco Engrg Corp, 601 W 26 St, N Y 1

OIL, TUNG see Oil, China Wood

OIL, TURKEY RED (Alizarine Assistant, Oil, Soluble, Oil, Sulfonated)

Sulfonated castor oil and like. Sp. gr. 0.95. Iodine No. 82.1. Acid No. 174.3. Saponification No. 189.3. Sol. water. Uses—mfr. soaps; assistant in dyeing and printing textiles; treating and finishing leather. Grades—sulfonated castor oil graded as to color and moisture content.

S L Abbot Co, 135 King St, San Francisco 7, Cal
American-British Chem Supplies, 180 Madison Ave, N Y
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Antara Products Div, 435 Hudson St, N Y 14
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
F J Heap & Son, 65 High St, Boston, Mass
L J & M La Place, Leliarts Lane, E Paterson, N J
*Marcus-Ruth-Jerome Co, 327 S LaSalle St, Chicago, Ill
T F McAdam, 125 Broad St, N Y 4
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Sarabhai Agencies, 4611 Rockefeller Plaza, N Y 20
*Stepan Chem Co, 1353 N Branch St, Chicago 22, Ill
Jos Turner & Co, Ridgefield, N J
Welch, Holme & Clark Co, 439 West St, N Y 14
*Whittemore-Wright Co, 62 Alford St, Boston 29, Mass
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

OIL, TURPENTINE

"Spirit of Turpentine" volatile oil distilled from the oleoresin obtained from Pinus palustris. Colorless liq.; characteristic odor and taste both becoming more pronounced and less agreeable on aging or exposure to air. Sp. gr. 0.854-0.868. Insol. in water. Uses—solvent for oils, resins, etc., for varnishes; vehicle for paints. Extern. in embrocations, liniments, etc. For internal use, the Rectified oil should be used.

*Baker Industrial Oils Co, 872 Drexel Bldg, Phila 6, Pa
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
Dodge & Olcott, 180 Varick St, N Y 14
Wm S Gray & Co, 342 Madison Ave, N Y 17
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
Prentiss Drug & Chem Co, 110 William St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
*West Co, 132 Liberty St, Chelsea 50, Mass

OIL OF VITRIOL see Acid, Sulfuric

OIL, WALNUT

Colorless or pale yellowish-green liq., pleasant odor, nutty taste. From seeds of Juglas regia. Sp. gr. 0.919-0.929. Sap. No. 188-196. Iodine No. 143-148. Sol. ether, chloroform, carbon bisulfide; insol. alcohol. Uses—mfr. varnishes and paints. Grades—tech.

W R Grace & Co, 7 Hanover Sq, N Y 5
*Industrial Oil Products Corp, Margaret & Pearce Sts, Phila 37, Pa
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal

OIL, WHALE (Oil, Blubber, Oil, Body, Oil, Train)

Yellowish-brown natural liq., strong fishy odor. From blubber of whale. Sp. gr. 0.925-0.930. M.P. 14-27.0° C. Sap. No. 188-193. Iodine No. 120. Acid No. 0.5-37. Sol. ether, benzene, chloroform, carbon disulfide; insol. alcohol. Uses—mfr. soaps, lubricating, leather finishing and dressing compositions, insecticides, fats by hydrogenation, sheep dips; as tallow substitute in oleomargarine, edible fats and oils; quenching steel in tempering; treating jute; tanning leather; as illuminant. Grades—crude No. 1 and No. 2; natural winter; bleached winter.

Albumina Supply Co, 2 Broadway, N Y 4
*International Fisheries Corp, 120 Wall St, N Y 5
Maxim Chem Co, 44 Cliff St, N Y 7
Vitamins Inc, 809 W 58 St, Chicago 21, Ill

OIL, WHEAT GERM

Obtained from fresh wheat germ. Uses—natural source of vitamin E.

*Gen Mills, Special Commodities Div, 400 2 Ave S, Minneapolis 1, Minn
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Lack Chem Co, 19 Park Pl, N Y 7
*Nutritional Research Associates, 5 Whitely, Ind
Whitmoyer Labs, 19 N Railroad St, Myerstown, Pa

OIL, WHITE see Oil, Mineral

OIL, WHITE MINERAL see Oil, Mineral

OIL OF WINTERGREEN (also Synthetic O. of W.) see Methyl Salicylate

OILS, ADDITIVE

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Baker Castor Oil Co, 120 Broadway, N Y 5
*U B Bray Co, 3344 Medford St, Los Angeles, Cal
*Deep Rock Oil Corp, 624 S Mich, Chicago 5, Ill
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Oronite Chem Co, 38 Sansome St, San Francisco 4, Cal
Petroleum Specialties, 205 E 42 St, N Y 17
*Robinson Wagner Co, 110 E 42 St, NY 17

OILS, BINDER-TWINE

*Godfrey L Cabot, 77 Franklin St, Boston, Mass
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind

OILS, BLOWN

Often termed base oils; are usually cottonseed, rape, whale, or fish oils which have been thickened by a process of partial oxidation and specially prepared for lubrication purposes.

Barclay Chem Co, 75 Varick St, N Y
*Crownoil Chem Co, 2-14 49 Ave, L I C 1, N Y
*Industrial Oil Products Corp, Margaret & Pearce Sts, Phila 37, Pa
Industrial Oil Products Corp, 5641 District Blvd, Los Angeles 22, Cal
*Marden-Wild Corp, 500 Columbia St, Somerville 43, Mass
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Pennsylvania-Falk Chem Co, P O Box 1075, Pittsburgh 30, Pa
*Woburn Chem Corp, 1200 Harrison Ave, Kearny, N J
C L Zimmerman Co, N-204 Cincinnati Union Terminal, Cincinnati 3, Ohio

OILS, CORE

Specialized oils used in foundries to treat cores.

*Archer-Daniels-Midland Co, 2191 W 110 St, Cleveland 2, Ohio
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Pelron Corp, 7404 W 47 St, Lyons, Ill
Penola Oil Co, 3780 Penobscot Bldg, Detroit 26, Mich
*Tiona Petroleum Co, 501 Broad St, Phila 2, Pa

OILS, COTTON-SPRAYING

Proprietary compounds applied to cotton to condition the fibres for the mfr. of yarn and finished cloth, and at the same time improve the working conditions in the mill. Should penetrate the fibres thoroughly and uniformly, should have no detrimental effect on later bleaching and dyeing operations. Should make the fibres more flexible and thus easier to draft; should reduce static; should reduce fly, dust and shedding; prevent breakage of long fibres; produce smoother yarns; in general restore the natural oils and moisture to cotton which has been stored for long periods.

Barclay Chem Co, 75 Varick St, N Y
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
W A Wood Co, 45 Purchase St, Boston, Mass

OILS, CUTTING (Semi-Soluble)

Used where a water solution cannot be successfully employed, especially on high carbon steels, to carry off the heat and to keep tools in good condition, producing a smooth, clean cut. See also Cutting Compounds.

*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

OILS, CUTTING (Soluble)

Concentrated lubricants to which water is usually added, to keep tools, etc., cool when used at high speeds preserving temper and retaining a proper cutting edge. Employed for automatic screw machines, lathes, milling, stamping, sawing, drilling, tapping, punching, planing, and grinding; also for pipe cutting and threading.

*Atlantic Refining Co, 260 S Broad St, Phila, Pa
*Crystal Soap & Chem Co, 6308 State Rd, Phila 35, Pa
DoAll Co, Des Plaines, Ill
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Fiske Bros Refining Co, 129 Lockwood St, Newark, N J
*Franklin Oil & Gas Co, Bedford, Ohio
*Haas-Miller Corp, 4 & Bristol Sts, Phila 40, Pa
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*E H Kellogg & Co, 93 Water St, N Y 5
*Keystone Lubricating Co, 21, Clearfield & Lippincott Sts, Phila 32, Pa
Kuhne-Libby Co, 54 Front St, N Y 4
*Macco Products Co, 525 W 76 St, Chicago, Ill
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Pelron Corp, 7740 W 47 St, Lyons, Ill
Penola Oil Co, 3780 Penobscot Bldg, Detroit 26, Mich
Petroleum Specialties, 205 E 42 St, N Y 17
*Phoenix Oil Co, 9505 Cassius Ave, Cleveland, Ohio
*G Whitfield Richards, 1732 Carlton St, Phila 3, Pa
*Sinclair Refining Corp, 600 5 Ave, N Y 18
*Sunnyside Oil Co, 2212 W Sunnyside Ave, Chicago 25, Ill
*White & Bagley Co, P O Box 1171, Worcester, Mass
W A Wood Co, 45 Purchase St, Boston, Mass

OILS, CUTTING BASES

Bridge Chem Co, 2525 W Madison St, Chicago, Ill
*Carlisle Chem Works, West St, Reading 15, Ohio
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Fiske Bros Refining Co, 129 Lockwood St, Newark, N J
*Franklin Oil & Gas Co, Bedford, Ohio
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Macco Products Co, 525 W 76 St, Chicago, Ill
*Mineral Oil Refining Co, P O Box 625, Dickinson, Tex
Petroleum Specialties, 205 E 42 St, N Y 17
*White & Bagley Co, P O Box 1171, Worcester, Mass
W A Wood Co, 45 Purchase St, Boston, Mass

OILS, CUTTING, SULFURIZED

*Atlantic Refining Co, 260 S Broad St, Phila, Pa
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Franklin Oil & Gas Co, Bedford, Ohio
*Gen Petroleum Corp, 612 S Flower St, Los Angeles 17, Cal
*Gulf Refining Co, 722 Gulf Bldg, Pittsburgh 30, Pa
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*E H Kellogg & Co, 93 Water St, N Y 5
*Keystone Lubricating Co, 21, Clearfield & Lippincott Sts, Phila 32, Pa
Malone Oil Co, 2197 E 18 St, Cleveland 15, Ohio
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Penola Oil Co, 3780 Penobscot Bldg, Detroit 26, Mich
*G Whitfield Richards, 1732 Carlton St, Phila 3, Pa
*Sunnyside Oil Co, 2212 W Sunnyside Ave, Chicago 25, Ill
*Tiona Petroleum Co, 501 Broad St, Phila 2, Pa
*White & Bagley Co, P O Box 1171, Worcester, Mass
W A Wood Co, 45 Purchase St, Boston, Mass

OILS, DRIP

*Crowley Tar Products Co, 271 Madison Ave, N Y 16

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OILS, DRIVING, TANNING

Have the property of emulsifying additional quantities of vegetable, animal, or mineral oil. Generally used in conjuction with an untreated oil in the fat-liquoring process, but may also be used alone where it is necessary to have a good penetration of the oil globules.

E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Whittemore-Wright Co, 62 Alford St, Boston 29, Mass

OILS, DRYING (Paint Makers')

Oils which possess to a marked degree the property of readily oxidizing to a relatively hard, tough, elastic substance. In practice certain oils possessing these characteristics of a drying oil to a lesser degree are termed semi-drying oils. See also: Oils, Chinawood, Linseed, Perilla, Soybean, Menhaden, Sardine, etc.

*Baker Castor Oil Co, 120 Broadway, N Y 5
Bendix Chem Corp, 420 Lexington Ave, N Y
*Crownoil Chem Co, 2-14 49 Ave, L I C 1, N Y
*Gen Mills, Chem Div, 400 2 Ave S, Minneapolis, Minn
J W Guthrie Co, 725 2 St, San Francisco 7, Cal
D Hecht & Co, 510 Battery St, San Francisco 11, Cal
*Industrial Oil Products Corp, Margaret & Pearce Sts, Phila 37, Pa
*Spencer Kellog & Sons, 98 Delaware Ave, Buffalo 5, N Y
T F McAdam, 125 Broad St, N Y 4
D H Osgood Co, 4181 Oakman Blvd, Detroit 4, Mich
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
Sherwin-Williams Co, 100 Park Ave, N Y 17
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
Wm B Tabler Co, 1612 Heyburn Bldg, Louisville, Ky
Welch, Holme & Clark Co, 439 West St, N Y 14
Western Chem, Ft S W Gibbs St, Portland, Ore
E E Zimmerman Co, 1704 Kennan Bldg, Pittsburgh 22, Pa

OILS, DRYING, SYNTHETIC

Modified oils, such as castor, soybean, linseed, and various animal oils, which have been chemically modified by procedures as catalytic dehydration, or production of synthetic glycerides by the re-esterification of fractionally distilled fatty acids. Uses—varnishes, enamels, lacquers, printing inks, linoleum, oilcloth, patent leather, putty, aluminum vehicles, core oils, in rubber, soap, textile fields.

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill

*Company classifies itself as manufacturer or producer of this product

Synthetic Drying and Styrenated Oils

ISOTYRE Styrenated Dehydrated Castor Oil practically devoid of free styrene, thus being practically odorless. Rapid drying into a hard film with good flexibility, excellent adhesion, waterproofness, alkali resistant, and no after tack. Its uses include: architectural white enamels, concrete paints, traffic paint, general purpose and toy enamels, floor sealers, shellac substitutes, clear varnishes and enamels of exceptional quality.

CONJULIN For formulas requiring oils that form quick drying, water resistant, tack free films. Used in place of Linseed Oil in Ester Gum and Bakelite 254 Resin Varnishes, drying time and water resistance are superior, approaching the corresponding wood oil varnishes. For: brake linings insulation varnishes, wrinkle finishes, air dried and baked coatings and general paint and varnish use.

ISOLINE Dehydrated Castor Oil. First developed commercially in this country by Woburn Chemical Corp. (N.J.). Drying oil of pleasing odor. The films are light in color and do not after yellow. Films are also flexible with good adhesion, long life and water resistance. For: Lithographic inks, linoleum, paint and varnish industry.

WOLIN OIL Developed to replace Chinawood Oil in the preparation of varnishes with resins such as Ester Gum. The resulting films dry quickly in the air to a tough, hard elastic film that has a high resistance to water and alkali. For: varnish films that quickly air-dry to a hard, elastic film.

Synthetic Drying Oils

ISOLINE
(Dehydrated Castor Oil)
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CONJULIN
(New, Improved Conjugated Linseed Oil)
(Viscosity Z - Z2)

WOLIN
(A Higher Alcohol Ester)

Styrenated Oils

ISOSTYRE
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OILS, DRYING, SYNTHETIC, continued

*Armour & Co, 1355 W 31 St, Chicago 9, Ill
Crownoil Chem Co, 2-14 49 Ave, L I C 1, N Y
*Spencer Kellog & Sons, 98 Delaware Ave, Buffalo 5, N Y
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
*Pan American Refining Corp, 122 E 42 St, N Y 17
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill

OILS, ESSENTIAL

Various natural volatile oils of characteristic pleasing odors or flavor, distinguished from fatty oils by their volatility, non-greasiness, and non-saponifying properties. Essential oils may be classified in 10 divisions: 1. Flower oils (Jasmin, Rose, Orange Flowers, Tuberose, Lavender Flowers); 2. Flowers and leaf oils (Lavender, Thyme, Violet, Peppermint); 3. Oils derived from whole plants above ground (Citronella, Patchouli, Lemongrass); 4. Oils derived from the fruit (Bergamote, Lemon, Orange, Nutmeg); 5. Oils from seeds (Anis, Bitter Almond, Coriander); 6. Bark Oils (Cinnamon); 7. From wood of trees (Cedarwood, Sandalwood, Rosewood); 8. From Roots (Orris, Vetivert, Angelica); 9. Resin Oils (Olibanum, Myhrr, Tolu); 10. Oils of animal origin (Essence of Musk, Natural Ambergris, Castoreum). Essential oils are used to perfume and/or flavor wide variety of household and industrial chemical specialties, in cosmetics, foodstuffs, beverages, etc.

Agazarian & Co, 99 Hudson St, N Y 13
Bendix Chem Corp, 420 Lexington Ave, N Y
P S Busschaert, 116 John St, N Y
*Phillip Chaleyer, 160 E 56 St, N Y 22
L A Champon & Co, 303 W 42 St, N Y 18
Chem Service Corp, 82 Beaver St, N Y 5
Cole & De Graf, 417 Market St, San Francisco 5, Cal
Dalton-Cooper, 200 W 34 St, N Y
Dodge & Olcott, 180 Varick St, N Y 14
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Dura Chem Co, 20 Vesey St, N Y 7
*Edwal Labs, Ringwood, Ill
*Essential Oil Producers, P O Box 157, Dunedin, Fla
Fleuroma Inc, 73 Sullivan St, N Y 12
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Gauge & Devin, 7 Front St, San Francisco 11, Cal
Charles Gitlan & Co, 25 Beaver St, N Y 4
*Givaudan-Delawanna, 330 W 42 St, N Y18

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WRITE FOR FREE OILS CHART
Listing characteristics of Raw and Processed Oils for industry

Representatives

BALTIMORE: W. R. McClayton
BOSTON: Raw Materials Co.
CHICAGO: Daniel G. Hereley Co.
CLEVELAND: Donald McKay Smith Co.
DALLAS: W. W. Richerson Co.
DETROIT: Geo. E. Moser & Son
HOUSTON: E. B. McCullough Co.
LOS ANGELES: California Flaxseed Products Co.
LOUISVILLE: B. H. Boyet & Co. Deeks, Sprinkel & Miller
MONTREAL: B. & S. H. Thompson & Co.
NEW ORLEANS: Russell Chemical Co.
NEW YORK: Garrigues, Stewart & Davies
PHILADELHIA: Baler Industrial Oils Co.
PITTSBURGH: Emmett D. Griffin, Jr
PORTLAND: Western Chemicals, Inc.
SEATTLE: Van Waters & Rogers Co.

PACIFIC VEGETABLE OIL CORPORATION
62 Townsend St. San Francisco 7, Calif.

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OILS, ESSENTIAL, continued

Greene Trading Co, 60 Wall St, N Y 5
*Gunning & Gunning, 601 W 26th St, N Y 1
*D W Hutchinson & Co, 162-164 Front St, N Y 38
*V & E Kohnstamm, 329 Canal St, N Y 13
H R Laist Co, 229 Rialto Bldg, San Francisco 5, Cal
E M Laning Co, 433 Stuyvesant Ave, Irvington 11, N J
*Lautier Fils, 321 5 Ave, N Y 16
Geo Lueders & Co, 427 Washington St, N Y 13
*Julian W Lyon, 7 Dey St, N Y 7
*J Manheimer, 214 E 21 St, N Y 19
Herbert Marmorek & Son, 2153 78 St, Bklyn 14, N Y
McKesson & Robbins, 155 E 44 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
*Naugatuck Aromatics, 254 4 Ave, N Y 10
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
Noville Essential Oil Co, 127 Water St, N Y 5
Olson Sales Agency, 20 Broad St, N Y 5
Herbert H Parker, 2 Broadway, N Y 4
*S B Penick & Co, 50 Church St, N Y 7
*Polak's Frutal Works, 33 Sprague Avenue, Middletown, N Y
*P Robertet, 125 E 23 St, N Y 10
Roure-DuPont, 366 Madison Ave, N Y 17
H C Ryland, 161 Water St, N Y 38
*Schimmel & Co, 601 W 26 St, N Y 1
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Harold A Sothern, 230 Park Ave, N Y 17
Stein, Hall &Co, 285 Madison Ave, N Y 17
Tombarel Products Corp, 12 E 22 St, N Y 10
Torre Products Co, 52-54 Wooster St, N Y 13
George Uhe Co, 76 9 Ave, N Y 14

OILS, EXTRUDING

James V Bibbo Co, 110 Washington St, N Y 6
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Phoenix Oil Co, 9505 Cassius Ave, Cleveland, Ohio

OILS, FISH

Fish oils would include all oils expressed or extracted from various types of fish and would include cod, sperm, seal, and codliver oils, but in trade usage the term includes those oils which find special application in paint, linoleum, oil-cloth formulation, in thinning oils, soaps, etc., or combinations of fish oils used for these purposes. The most commonly used are menhaden, sardine, herring, salmon, whale, etc. See Oil, Menhaden; Oil, Sardine; Oil, Herring; Oil, Salmon; Oil, Whale.

Albumina Supply Co, 2 Broadway, N Y 4
C B Coburn Co, 63 Market St, Lowell, Mass
M D Craig & Co, 11 Broadway, N Y 4
*Crownoil Chem Co, 2-14 49 Ave, L I C 1, N Y
*E F Drew & Co, 15 E 26 St, N Y 10
Harry Haze, 435 N Michigan Ave, Chicago 11, Ill
C L Hueston Co, 1998 Glendale Ave, Detroit 6, Mich



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OILS, FISH, continued

*Industrial Oil Products Corp, Margaret & Pearce Sts, Phila, Pa
Industrial Oil Products Corp, 5641 District Blvd, Los Angeles 22, Cal
*International Fisheries Corp, 120 Wall St, N Y 5
Krekel Goetz Sales & Supply Co, 302 Housman Bldg, Grand Rapids 2, Mich
*Leon Associates, 141 Broadway, N Y 6
Malone Oil Co, 2197 E 18 St, Cleveland 15, Ohio
*Marden-Wild Corp, 500 Columbia St, Somerville 43, Mass
*Menhaden Fish Products Co, 108 E York St, Baltimore 30, Md
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Wm F Nye, Coggleshall St Bridge, New Bedford, Mass
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
*Pennsylvania-Falk Chem Co, P O Box 1075, Pittsburgh 30, Pa
Snow & Co, 3039 E 12 St, Los Angeles, Cal
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Van Camp Labs, 772 Tuna St, Terminal Is, Cal
G A Wharry & Co, 95 Broad St, N Y
C L Zimmerman Co, N-204 Cincinnati Union Terminal, Cincinnati 3, Ohio

OILS, FISH (Hydrogenated)

Various fish oils treated with hydrogen in presence of catalyst to produce a stearic acid substitute. White to grayish mixture of different fats. Grades—depends upon its titre and iodine number. Uses—cosmetics, mfr. high grade and metallic soaps (which are used in dusting powders), as stearic acid substitute for ex. in production of rubber tires.

*Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2, Ohio
*E F Drew & Co, 15 E 26 St, N Y 10
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
*Marcus-Ruth-Jerome Co, 327 S LaSalle St, Chicago, Ill
Welch, Holme & Clark Co, 439 West St, N Y 14

OILS, FISH (Kettle Bodied)

Fish oils which have been heat-treated and bodied in kettle to increase the viscosity or body of the oils. This produces a better flow, brush-ability, higher gloss and low acid number. Amber color; fish odor has been oxidized and resultant odor is therefore lighter. Uses—printing ink, silk screen printing, paints, enamels, mill white, patent leather, linoleum, varnishes.

*Crownoil Chem Co, 2-14 49 Ave, L I C 1, N Y
*Industrial Oil Products Corp, Margaret & Pearce Sts, Phila 37, Pa
Industrial Oil Products Corp, 5641 District Blvd, Los Angeles 22, Cal
*Menhaden Fish Products Co, 108 E York St, Baltimore 30, Md
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
*Pennsylvania-Falk Chem Co, P O Box 1075, Pittsburgh 30, Pa

OILS, FISH BLOWN

Various fish oils which have been subjected to prolonged heating and blowing of air through the mass, increasing the viscosity and specific gravity thereby.

*Crownoil Chem Co, 2-14 49 Ave, L I C 1, N Y
*Industrial Oil Products Corp, Margaret & Pearce Sts, Phila 37, Pa
Industrial Oil Products Corp, 5641 District Blvd, Los Angeles 22, Cal
*Menhaden Fish Products Co, 108 E York St, Baltimore 30, Md
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
*Pennsylvania-Falk Chem Co, P O Box 1075, Pittsburgh 30, Pa
Salem Oil & Grease Co, 60 Grove St, Salem, Mass

OILS, FISH LIVER

Yellowish-brown to reddish-brown liq. Sol. ether, chloroform, alcohol, and carbon bisulfide. Uses—source of vitamin A and D in medicine, poultry and stock feeding; leather dressing; chamois leather tanning.

Albumina Supply Co, 2 Broadway, N Y 4
Barclay Chem Co, 75 Varick St, N Y
*Consumers Import Co, 350 5 Ave, N Y 1
*Halfbut Liver Oil Producers, 101 E 5 St, Plainfield, N J
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
*International Fisheries Corp, 120 Wall St, N Y 5
Interocean Chem & Minerals Corp, 120 Broadway, N Y 5
*Leon Associates, 141 Broadway, N Y 6
*Marine Products Co, 345 W 1 St, Boston 27, Mass
Maxim Chem Co, 44 Cliff St, N Y 7
Ovimpex Inc, 149 Broadway, N Y 6
Vitamins Inc, 809 W 58 St, Chicago 21, Ill
*Whitmoyer Labs, 19 N Railroad St, Myerstown, Pa

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NEW YORK

OILS, FLOTATION

American Firstoline Corp, 420 Lexington Ave, N Y
*A Gross & Co, 295 Madison Ave, N Y
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Louisiana Pine Products Co, P O Box 814, Alexandria 4, La
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn

OILS, FROTHING

Products used to produce froth and employed principally in the flotation processes of metal or ore refining.

*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

OILS, FUR DRESSING

Products used to give a gloss and sheen to furs and to provide a protective coating, etc.

*Fiber Chem Corp, Box 218, Matawan, N J
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Phoenix Oil Products Corp, 199 Pacific St, Newark, N J
Salem Oil & Grease Co, 60 Grove St, Salem, Mass
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

OILS, GARNETTING

Oils, usually emulsified with water, applied to rags prior to the garnetting process. Garnetting refers to the process of obtaining shoddy by a mechanical process of tearing up woolen rags and waste in a machine similar to coase carding.

*Foster Finishing Products Co, Hope St & Montgomery Ave, Phila, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
W A Wood Co, 45 Purchase St, Boston, Mass

OILS, GEAR CUTTING

*Fiske Bros Refining Co, 129 Lockwood St, Newark, N J
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

OILS, GRAPHITED

Lubricating oils which contain a relatively small percentage of graphite, usually in the colloidal form, which raises the critical temperature, thus permitting the use of smaller quantities of oil. This is desirable at high temp. where excess oil forms an excess of troublesome carbon. Less oil also entraps less dirt, reduces the fire-hazard.

*Dow Corning Corp, Midland, Mich
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Impoil Co, 228 Kearney Ave, Jersey City, N J
*K & L Chem Co, 1052 W 78 St, Chicago 20, Ill
*Superior Flake Graphite Co, 33 S Clark St, Chicago 3, Ill

OILS, HOBBING

E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

OILS, HYDRAULIC

Oils of high viscosity used in hydraulic presses, door checks, etc.

*Atlantic Refining Co, 260 S Broad St, Phila, Pa
*Baker Castor Oil Co, 120 Broadway, N Y 5
*Bell Co, 411 N Wolcott Ave, Chicago 22, Ill
*Celanese Corp of America, 180 Madison Ave, N Y 16
*Dow Corning Corp, Midland, Mich
*Gulf Refining Co, 722 Gulf Bldg, Pittsburgh 30, Pa
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*K & L Chem Co, 1052 W 78 St, Chicago 20, Ill
*E H Kellogg & Co, 93 Water St, N Y 5
*Linde Air Products Co, 30 E 42 St, N Y 17
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Penola Oil Co, 3780 Penobscot Bldg, Detroit 26, Mich
*Tiona Petroleum Co, 501 Broad St, Phila 2, Pa

OILS, HYDROGENATED

Prepared by adding additional hydrogen to oils whose molecules are unsaturated as regards hydrogen. This is done in the presence of finely divided nickel as a catalyst. The process is complex and there are many variations. Hydrogenation may be stopped at any stage, and very hard fats may be mixed with untreated oils so that any degree of hardness or softness is obtainable. The principal use for hardened oils is for cooking and in the mfr. of soap. Fish oils when hydrogenated lose most of their disagreeable odor and in this form can be used in soap kettles and also are used in paint formulation.

*Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2, Ohio
*Baker Castor Oil Co, 120 Broadway, N Y 5
*E F Drew & Co, 15 E 26 St, N Y 10
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Welch, Holme & Clark Co, 439 West St, N Y 14

*Company classifies itself as manufacturer or producer of this product

OILS, INK

Oils employed in ink making are classified as drying, semi-drying, and non-drying, the last being chiefly of petroleum origin. They are sometimes referred to as varnishes when in the finished state. Boiled oils dry much more rapidly than raw oils. Usually ink makers add a drier to the oil or mixture of oils.

*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
*American Mineral Spirits Co, 155 E 44 St, N Y 17
*Kendall Refining Co, 77 N Kendall Ave, Bradford, Pa
*Kuhne-Libby Co, 54 Front St, N Y 4
*Napco Chem Co, Logan & Davis Sts, Harrison, N J
*Pan American Refining Corp, 122 E 42 St, N Y 17
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill

OILS, NEUTRAL

Any number of different oils which may be used for lubricating purposes, the one requirement being that the oil must be a distillate. Neutral oils are often mixed with animal and vegetable oils.

*Deep Rock Oil Corp, 624 S Mich, Chicago 5, Ill
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Welch, Holme & Clark Co, 439 West St, N Y 14

OILS, NEUTRAL (Coal Tar)

Trade term for refined coal-tar oils.

*Barrett Div, 40 Rector St, N Y 6
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
Republic Chem Corp, 94 Beekman St, N Y 38

OILS, PENETRATING

Lubricants of varying formulation (but often containing graphited oil) used to silence squeaks in inaccessible places in machinery, etc., to loosen up "frozen" nuts and bolts, and as a lubricant for leaf springs, chains, commutators, distributors, magnetos, timers, hinges, locks, etc.

*American Grease Stick Co, Muskegon, Mich
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Curran Corp, S Canal St, Lawrence, Mass
*Fiber Chem Corp, Box 218, Matawan, N J
*Freedom-Valvoline Oil Co, 309 6 Ave, Freedom, Pa
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Impoil Co, 228 Kearney Ave, Jersey City, N J
*K & L Chem Co, 1052 W 78 St, Chicago 20, Ill
*Keystone Lubricating Co, 21, Clearfield & Lippincott Sts, Phila 32, Pa
*Laurel Soap Mfg Co, Tioga & Thompson St, Phila 34, Pa
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*M Michel & Co, 90 Broad St, N Y 4
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Tiona Petroleum Co, 501 Broad St, Phila 2, Pa
*Warwick Chem Co Div, Wood River Junction, R I

OILS, PERFUME

Products used in imparting pleasing odor and "covering up" disagreeable ones, in such preps. as: tissue, cold and vanishing creams, lotions, toilet and liq. soaps, toilet waters, shaving creams, bath salts, polishes, leather finishes, lubricating oils, water softeners, sanitary blocks, waxes, typewriter ribbons, insecticides, theatre and fly sprays, printing and multigraphing inks, greases, pastes, adhesives, etc. See Deodorants; also Perfumes.

*Abeles-Wilson Chem Corp, 307 5 Ave, N Y 16
*Aromatic Products, 15 E 30 St, N Y
*Phillip Chaleyer, 160 E 56 St, N Y 22
*Dodge & Olcott, 180 Varick St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Evergeen Chem Co, 160 5 Ave, N Y 10
Fleuroma Inc, 73 Sullivan St, N Y 12
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Alex Fries & Bro, 1403 Central Pkwy, Cincinnati, Ohio
Charles Gitlan & Co, 25 Beaver St, N Y 4
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Gunning & Gunning, 601 W 26 St, N Y 1
*D W Hutchinson & Co, 162-164 Front St, N Y 38
*Walter H Jelly & Co, 420 N Western Ave, Chicago 12, Ill
*Lautier Fils, 321 5 Ave, N Y 16
*J Manheimer, 214 E 21 St, N Y 19
*Polak's Frutal Works, 33 Sprague Avenue, Middletown, N Y
*P Robertet, 125 E 23 St, N Y 10
Roure-DuPont, 366 Madison Ave, N Y 17
*H C Ryland, 161 Water St, N Y 38
*Schimmel & Co, 601 W 26 St, N Y 1
*Edwin Seebach Co, 912-920 Broadway, N Y 10
Tombarel Products Corp, 12 E 22 St, N Y 10
*Van Dyk & Co, Main & William Sts, Belleville, N J

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Sole Agents for Roure Bertrand Fils & Justin Dupont, Grasse, France

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CHEMICAL MANUFACTURERS

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OILS, PLASTICIZING

Products which are employed as solvents and plasticizers for chlorinated rubber coatings, plastic compounds, fly paper, adhesives, printing inks, dyes, caulking compounds, waterproofing compositions, rubber resin finishes, aluminum pastes, and wherever an unsaponifiable, neutral, substantially non-drying oil is required. Also used as an anti-skinning agent in paints; in mfr. of artificial leathers, lacquers, electrical filling compounds, etc.

*Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2, Ohio
*Atlantic Refining Co, 260 S Broad St, Phila, Pa
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*Baker Castor Oil Co, 120 Broadway, N Y 5
*Barrett Div, 40 Rector St, N Y 6
*Dow Corning Corp, Midland, Mich
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Indoil Chem Co, 910 S Michigan Ave, Chicago 80, Ill
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*M Michel & Co, 90 Broad St, N Y 4
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Ottol Oil Co, 455 Cortlandt St, Belleville, N J
*Pan American Refining Corp, 122 E 42 St, N Y 17

OILS, PUTTY

Industrial Oil Products Corp, 5641 District Blvd, Los Angeles 22, Cal
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Pan American Refining Corp, 122 E 42 St, N Y 17

OILS, QUENCHING

Materials which are used to cool metals after heat treatment.

*Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2, Ohio
*Arista Oil Products Co, Broadway, N Y 6
*Atlantic Refining Co, 260 S Broad St, Phila, Pa
*Gulf Refining Co, 722 Gulf Bldg, Pittsburgh 30, Pa
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Menhaden Fish Products Co, 108 E York St, Baltimore 30, Md
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Penola Oil Co, 3780 Penobscot Bldg, Detroit 26, Mich
W A Wood Co, 45 Purchase St, Boston, Mass

OILS, RAYON CONING

Usually compounded mineral oils of low viscosity or body which emulsify in water; applied to the yarn, on the coning machine and just prior to the yarn being wound on the cones, by means of a roller which dips into a trough containing the oil.

*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
*E F Drew & Co, 15 E 26 St, N Y 10
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
*Foster Finishing Products Co, Hope St & Montgomery Ave, Phila, Pa
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Scholler Bros, Collins & Westmoreland Sts, Phila 34, Pa
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
Warwick Chem Co Div, Wood River Junction, R I

OILS, REAMING

Specially formulated to provide for desired accuracy of cut and smoothness of surface. For usual work mineral or petroleum oil alone will not suffice. Specially processed additives are used which give cooling effect, lower friction values and provide for satisfactory penetration and coverage of metal surfaces.

*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

OILS, REFRIGERATOR

Specialized lubricating oils used in refrigerating units, ice-making machines, air-conditioning units, etc. Should possess high resistance to sludging, good stability, slow rate of decomposition, high value of demulsibility.

*Ansul Chem Co, Marinette, Wis
*Atlantic Refining Co, 260 S Broad St, Phila, Pa
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*E H Kellogg & Co, 93 Water St, N Y 5
*Tiona Petroleum Co, 501 Broad St, Phila 2, Pa

OILS, ROAD

Products, largely of coal-tar or petroleum origin, used on roads to lay dust and to act in general as a binder.

*Barrett Div, 40 Rector St, N Y 6
*Berry Asphalt Co, Magnolia, Ark

OILS, RUBBER RECLAIMING

*American Mineral Spirits Co, 155 E 44 St, N Y 17
*Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2, Ohio
*Barrett Div, 40 Rector St, N Y 6
E W Colledge, G S A, P O Box 389, Jacksonville 1, Fla
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Glidden Co, Crestwood-Burton, Jacksonville, Fla
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Pan American Refining Corp, 122 E 42 St, N Y 17
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
*Rubber Asphalt Oil & Mining Corp, 1833 Marney Ave, Los Angeles 32, Cal
*Southern Cotton Oil Co, 25 Broad St, N Y 4

OILS, SHINGLE-STAIN

Coal-tar oils with or without dyes used to stain and preserve shingles.

*Barrett Div, 40 Rector St, N Y 6
*Crowley Tar Products Co, 271 Madison Ave, N Y 16

OILS, SHINGLE-STAIN, continued

Hawkhurst & Co, Mills Tower, 220 Bush St, San Francisco 4, Cal
Industrial Oil Products Corp, 5641 District Blvd, Los Angeles 22, Cal
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Pan American Refining Corp, 122 E 42 St, N Y 17
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

OILS, SIZE

Usually a thinning varnish for sizing new plaster walls, thinning and sealing flat paints before gloss painting.

*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J

OILS, SLUSHING

*American Lanoline Corp, 13 Railroad St, Lawrence, Mass
*Atlantic Refining Co, 260 S Broad St, Phila, Pa
*Freedom-Valvoline Oil Co, 309 6 Ave, Freedom, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Phoenix Oil Products Corp, 199 Pacific St, Newark, N J

OILS, SOAKING, HOSIERY YARN

Special water sol. oils supplying the necessary clearance and proper conditioning and suitable for soaking silk for hosiery tram, warps, and filling.

*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*E F Drew & Co, 15 E 26 St, N Y 10
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Warwick Chem Co Div, Wood River Junction, R I
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

OILS, SOAKING, RAYON CREPE

Specialized oils of excellent penetrating powers that are used to condition rayon yarns; to give a greater elasticity and pliability so as to prevent mechanical breaks.

*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
*E F Drew & Co, 15 E 26 St, N Y 10
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Warwick Chem Co Div, Wood River Junction, R I
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

OILS, SOLVENT

*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa

*Company classifies itself as manufacturer or producer of this product

OILS, SOLUBLE, METAL-WORKING

*Arista Oil Products Co, Broadway, N Y 6
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
*E F Drew & Co, 15 E 26 St, N Y 10
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
A J & J O Pilar, Chapel St & Lister Ave, Newark 5, N J
*G Whitfield Richards, 1732 Carlton St, Phila 3, Pa
W A Wood Co, 45 Purchase St, Boston, Mass

OILS, SULFONATED

Sulfonated oils are products of the action of strong sulfuric acid on vegetable, animal, and mineral oils; also their fatty acids, and alcohols. They are available for use in a wide variety of processes in the textile, leather, metal and miscellaneous industries as follows: sulfonated castor oil, olive oil, neatsfoot oil, lard oil, rape oil, mustard seed oil, tea seed oil, sunflower oil, tallowmoleic acid (red oil), cod oil, herring oil, whale oil, sperm oil, coconut oil, palm kernel oil, palm oil, degras, fatty acids of the foregoing oils, fatty alcohols, and products from mineral oil refining. U.S. Bureau of Standards defines sulfonated oils; the term "sulfonated oil" shall designate the product of interaction between a saponifiable oil or fat or its fatty acids, or a mixture of saponifiable oils or fats or their fatty acids, and sulfuric acid or similar sulfonating agent, the reaction to take place under such conditions that some or all of the oil is converted into a sulfate. With the exception of water and alkali, it shall contain no other admixture. A sulfonated oil of any particular designation shall contain no other oil or fat, except the kind designated.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Antara Products Div, 435 Hudson St, N Y 14
*Arabol Mfg Co, 110 E 42 St, N Y 17
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
*E F Drew & Co, 15 E 26 St, N Y 10
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Fiber Chem Corp, Box 218, Matawan, N J
*Leatex Chem Co, 2722 N Hancock St, Phila 33, Pa
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*Marlowe-Van Loan Corp, Box 1851, High Point, N C
M Michel & Co, 90 Broad St, N Y 4
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
A J & J O Pilar, Chapel St & Lister Ave, Newark 5, N J
J B Ruth & Co, 114 S Central Ave, Los Angeles 12, Cal
Republic Chem Corp, 94 Beekman St, N Y 38
Salem Oil & Grease Co, 60 Grove St, Salem, Mass
*Sherwood Refining Co, 1 W Forest Ave, Englewood, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Standard Chem Co, 217 New St, Phila, Pa
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Stepan Chem Co, 1353 N Branch St, Chicago 22, Ill
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill
Welch, Holme & Clark Co, 439 West St, N Y 14
*White & Bagley Co, P O Box 1171, Worcester, Mass
*Whittemore-Wright Co, 62 Alford St, Boston 29, Mass
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

OILS, TANNING

Primary function of oils in tanning operations is the lubrication of the collagen bundles, which form the larger portion of the hide, so that they will not glue together resulting in a hard, brittle leather. Many oils and fats are used: tallow and oleo-stearine for stuffing harness, strap and belting leather; neutral oils such as cod, neatsfoot, castor, mineral, etc. See also Fat Liquors; Oils, Sulfonated; Tallow, Sulfonated.

*Atlantic Refining Co, 260 S Broad St, Phila, Pa
Harvey J Boutin & Son, 7 Front St, San Francisco 11, Cal
*E F Drew & Co, 15 E 26 St, N Y 10
*Fiber Chem Corp, Box 218, Matawan, N J
*Haas-Miller Corp, 4 & Bristol Sts, Phila 40, Pa
Kehew-Bradley Co, 43 Purchase St, Boston 10, Mass
*Leatex Chem Co, 2722 N Hancock St, Phila 33, Pa
*Marden-Wild Corp, 500 Columbia St, Somerville 43, Mass
Meves & Gregg, 110 N Front St, Phila 6, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Phoenix Oil Products Corp, 199 Pacific St, Newark, N J
A J & J O Pilar, Chapel St & Lister Ave, Newark 5, N J
Salem Oil & Grease Co, 60 Grove St, Salem, Mass
*Standard Chem Co, 217 New St, Phila, Pa
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
*Whittemore-Wright Co, 62 Alford St, Boston 29, Mass
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

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Lubricating, softening, finishing and soluble oils

* Reg. U. S. Pat. Office

SAMPLES AND DEMONSTRATION ON REQUEST

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1301 JEFFERSON STREET, HOBOKEN, NEW JERSEY

OILS, TEMPERING

*Atlantic Refining Co, 260 S Broad St, Phila, Pa
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Industrial Oil Products Corp, Margaret & Pearce Sts, Phila 37, Pa
Menhaden Fish Products Co, 108 E York St, Baltimore 30, Md
Tombarel Products Corp, 12 E 22 St, N Y 10

OILS, TERPENELESS

Specialized oils used in place of essential oils; characterized by great strength, solubility, slow rate of deterioration, and ability to withstand exposure to the air or subjection to heat in manufacturing processes.

Geo Lueders & Co, 427 Washington St, N Y 13

OILS, TEXTILE

*Amalgamated Chem Corp, Rorer & Ontario Sts, Phila 34, Pa
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Antara Products Div, 435 Hudson St, N Y 14
*Arabol Mfg Co, 110 E 42 St, N Y 17
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Atlantic Refining Co, 260 S Broad St, Phila, Pa
*Burkart-Schier Chem Co, Chestnut St at 13, Chattanooga 2, Tenn
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*E F Drew & Co, 15 E 26 St, N Y 10
*Eastern Color & Chem Co, 137 Canal St, Providence, R I
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
*A Harrison & Co, P O Box 494, Pawtucket, R I
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Leatex Chem Co, 2722 N Hancock St, Phila 35, Pa
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
M Michel & Co, 90 Broad St N Y 4
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Paisley Products, 630 W 51 St, N Y
*Pennsylvania Refining Co, Butler, Pa
Salem Oil & Grease Co, 60 Grove St, Salem, Mass

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BASE OILS
SULPHONATED RED OIL
WOOL SCOURING OILS
RAYON OILS
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STANTEX* TEXTILE OILS

STANTEX* N. S. P. OILS . . . For nylon yarns
STANTEX* No. 819 . . . Anti-static wool lubricant
STANTEX* FINISH No. 10 . . . For rayon yarns
STANTEX* No. 168 . . . For cotton yarns

* Reg. U. S. Pat. Office

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Chicago, Illinois Los Angeles, California

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Notably Pure and Free from Isomers.
Custom Manufacture of Aliphatic Compounds
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INCORPORATED
Chemical Manufacturers
DEVINE STREET, NORTH HAVEN, CONN.

*Southern Textile Chem Corp, 1407 Broadway, N Y 18
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Standard Oil Co, 910 S Mich Ave, Chicago 80, Ill
*Standard Soap Co of Camden, 205 S 2 St, Camden, N J
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

OILS, TEXTILE, COTTON

Finishing oils formulated to give a finish or glaze to cotton yarns. Should not give a yellowish tinge to goods on ageing. In many instances products of this type exert an effect of leveling up shades. Should also impart to the goods a very lofty handle.

*Arabol Mfg Co, 110 E 42 St, N Y 17
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*E F Drew & Co, 15 E 26 St, N Y 10
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
*A Harrison & Co, P O Box 494, Pawtucket, R I
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
M Michel & Co, 90 Broad St, N Y 4
*N Y & N J Lubricant Co, 292 Madison Ave, N Y 17
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Paisley Products, 630 W 51 St, N Y
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

OILS, TEXTILE, RAYON

Colorless, odorless, stainless oils used to lubricate rayon yarns in the weaving process so as to prevent breaking of the thread.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Baker Castor Oil Co, 120 Broadway, N Y 5
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
*Commonwealth Color & Chem Co, 3240 Grace Ave, Bronx 67, N Y
*E F Drew & Co, 15 E 26 St, N Y 10
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
M Michel & Co, 90 Broad St, N Y 4
*N Y & N J Lubricant Co, 292 Madison Ave, N Y 17
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Paisley Products, 630 W 51 St, N Y
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Warwick Chem Co Div, Wood River Junction, R I
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

OILS, TEXTILE, SILK

Wide variety of oils employed by throwsters for softening raw silk. Olive oil, coconut oil, neatsfoot oil, sulfonated oils, and special combinations of these and other oils often with added soap are used. More recently complex organic products, such as the higher fatty alcohols, have been introduced.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
*E F Drew & Co, 15 E 26 St, N Y 10
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
M Michel & Co, 90 Broad St, N Y 4
*N Y & N J Lubricant Co, 292 Madison Ave, N Y 17
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Paisley Products, 630 W 51 St, N Y
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Warwick Chem Co Div, Wood River Junction, R I
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

OILS, TEXTILE, WOOL

Neutral soaps providing uniform emulsion, which penetrate easily, do not stain, and wash out readily. Used to lubricate the fibre as well as for the cleansing effect.

*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*E F Drew & Co, 15 E 26 St, N Y 10
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
*Foster Finishing Products Co, Hope St & Montgomery Ave, Phila, Pa
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Louisiana Pine Products Co, P O Box 814, Alexandria, 4, La
M Michel & Co, 90 Broad St, N Y 4
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Watson-Park Co, Ballardvale, Mass
W A Wood Co, 45 Purchase St, Boston, Mass

OILS, THREADING

Threading operations demand a lubricant and coolant. The oils used must be so made up that great film strength is obtained, rapid penetration and spread afforded, and a decided cooling effect produced. The cutting edge which forms the thread must be kept clean and free.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Key Co, 2701 McCasland, E St Louis, Ill

OILS, THROWING

Oils employed by the throwster in preparing raw silk in in various soaking baths for the subsequent stages of knitting into silk goods, dyeing and finishing. See also Oils, Textile (silk).

*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*E F Drew & Co, 15 E 26 St, N Y 10
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Warwick Chem Co Div, Wood River Junction, R I
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

OILS, VEGETABLE

*Abeles-Wilson Chem Corp, 307 5 Ave, N Y 16
Albumina Supply Co, 2 Broadway, N Y 4
Allied Wax & Oil Products Corp, 145 Nassau St, N Y 7
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Baker Castor Oil Co, 120 Broadway, N Y 5
Bespaloff Trading Corp, 61 Broadway, N Y 6
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
Cole Labs, 42-25 9 St, L I C 1, N Y
T G Cooper & Co, 2400 E Venango St, Phila 34, Pa
Dalton-Cooper, 200 W 34 St, N Y
*E F Drew & Co, 15 E 26 St, N Y 10
Dura Chem Co, 20 Vesey St, N Y 7
James H Furnam Co, 59 E Van Buren St, Chicago 5, Ill
*Gen Mills, Chem Div, 400 2 Ave S, Minneapolis, Minn
Charles Gitlan & Co, 25 Beaver St, N Y 4
Greene Trading Co, 60 Wall St, N Y 5
M W Hardy & Co, 141 Broadway, N Y 6
C L Hueston Co, 1998 Glendale Ave, Detroit 6, Mich
*Hutchman Co, P O Box 386, Lakeland, Fla
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
*Pennsylvania-Falk Chem Co, P O Box 1075, Pittsburgh 30, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Scientific Oil Compounding Co, 1637 S Kilbourn Ave, Chicago 23, Ill
Sessions-Gifford Co, 255 Allens Ave, Providence, R I

*Company classifies itself as manufacturer or producer of this product

TAM
ZIRCONIUM & TITANIUM PRODUCTS
Registered U. S. Pat. Off.

*TAM Zirconium Opacifiers are available with various analysis and materially different physical properties to fit every Ceramic need. A partial list is given here.

*Opax *Opax S Calcium Zirconium Silicate *Meltopax
Magnesium Zirconium Silicate Zircon Milled & Granular
*Treopax *Zircopax *Superpax Rutiles *Satit
Zirconium Oxide Zirconium Spinel & Zinc Zirconium Silicate
*Registered Trade Mark

TITANIUM ALLOY MANUFACTURING DIVISION
NATIONAL LEAD COMPANY
Office: 111 Broadway, N. Y. C. Plant: Niagara Falls, N. Y.

For other products and services see our ads in Catalog Section

OILS, VEGETABLE, continued

*Sherwin-Williams Co, 100 Park Ave, N Y 17
John M H Shline Co, 342 Madison Ave, N Y 17
Snow & Co, 3039 E 12 St, Los Angeles, Cal
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
Frederick H Timberlake, Drexel Bldg, Phila, Pa
Jos Turner & Co, Ridgefield, N J
Wah-Chang Corp, 233 Broadway, N Y 7
Welch, Holme & Clark Co, 439 West St, N Y 14
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J
E E Zimmerman Co, 1704 Kennan Bldg, Pittsburgh 22, Pa

OILS, VEGETABLE, VULCANIZED

C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio

OILS, WOOL SCOURING

*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*E F Drew & Co, 15 E 26 St, N Y 10
Frank G Fanning, 50 E 42 St, N Y 17
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Leatex Chem Co, 2722 N Hancock St, Phila 33, Pa
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
M Michel & Co, 90 Broad St, N Y 4
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

OLEFINS see advertisements on page 370 and individual listings

OLEUM (Fuming Sulfuric Acid)

H_2SO_4 with free SO_3. Colorless or sl. colored, viscous liq., emitting choking fumes of sulfur trioxide. Extremely corrosive. Sulfating and sulfonating agent.

*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*Cornwell Chem Corp, Cornwells Heights, Pa
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
*International Fisheries Corp, 120 Wall St, N Y 5
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Riches-Nelson, 342 Madison Ave, N Y 17
*Stauffer Chem Co, 420 Lexington Ave, N Y 17

OLEUM BUBULUM see Oil, Neatsfoot

OLEUM GOSSYPII SEMINIS see Oil, Cottonseed

OLEUM LINI see Oil, Linseed

OLEUM MORRHUAE see Oil, Cod Liver

OLEUM OLIVAE see Oil, Olive

OLEUM PALMAL see Oil, Palm

OLIBANUM see Gum, Thus

OLIVE OIL FOOTS

Residues from extractions of olive oil. Uses—mfr. soaps, manures, cattle food. Grades—prime green; brown.

Chem Service Corp, 82 Beaver St, N Y 5
T G Cooper & Co, 2400 E Venango St, Phila 34, Pa
Frederick H Timberlake, Drexel Bldg, Phila, Pa
Welch, Holme & Clark Co, 439 West St, N Y 14

OPACIFIERS, ENAMEL

American Firstoline Corp, 420 Lexington Ave, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Lindsay Light & Chem Co, 258 Ann St, W Chicago, Ill
*Metal & Thermit Corp, 100 E 42 St, N Y 17
*Orefraction Inc, 7425 Thomas St, Pittsburgh, Pa

OPACIFIERS, GLASS

Opacity in enamel and glaze is due to the reflection of light by glassy layers. In order to have maximum opacity, presence of many uniformly distributed reflecting bodies are required—opacifying agents act as the producing crystalline compounds in glass and enamel.

American Firstoline Corp, 420 Lexington Ave, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Orefraction Inc, 7425 Thomas St, Pittsburgh, Pa

ORANGE CADMIUM see Cadmium Sulfide

ORCINOL

$C_6H_3(CH_3)(OH)_2$. M.W. 124.0. White cryst. powd. Becomes red with age. Sp. gr. 1.289; M.P. 107°C. B.P. 287°C. Uses—as an antiseptic; as a reagent for pentoses; as a stain.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Bios Labs, 17 W 60 St, N Y 23
City Chem Corp, 132 W 22 St, N Y 11
*Eastern Chem Corp, 34 Spring St, Newark 2, N Y
Smith-N Y Co, 61 Hampton Pl, Freeport, N Y

ORGANO MERCURY COMPOUNDS

*Bios Labs, 17 W 60 St, N Y 23
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Edwal Labs, Ringwood, Ill
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Sterol Derivatives, 3626 Medford St, Los Angeles 63, Cal

ORIENT YELLOW see Cadmium Sulfide

ORLEANE see Annatto

ORPIMENT see Arsenic, Yellow

OSAGE ORANGE EXTRACT

Extract made from bark of shrub Maclura aurantica, native of U. S. Uses—tanning and textile industries. Grades—liq. 42 deg.; powdered.

*American Dyewood Co, 285 Madison Ave, N Y
F J Heap & Son, 65 High St, Boston, Mass

OSMIC TETROXIDE see Acid, Osmic

OSMIUM

Os. M.W. 190.2. A hard, bluish-white metallic element of the platinum group. M.P. 2700°C. Insol. water or acids. At. No. 76. Used as a catalyst, in platinum alloys, for incandescent lamps and pen-points.

*Baker & Co, 113 Astor St, Newark 5, N J
City Chem Corp, 132 W 22 St, N Y 11
*Delta Chem Works, 23 W 60 St, N Y

OVALBUMIN see Albumin, Egg

OXALATES

- IRON & AMMONIUM OXALATE
- IRON & POTASSIUM OXALATE
- IRON & SODIUM OXALATE
- AMMONIUM OXALATE TECHNICAL
- IRON OXALATE GRANULAR
- POTASSIUM OXALATE TECHNICAL

PFIZER QUALITY
PFIZER
Manufacturing Chemists Since 1849

Chas. PFIZER & Co., Inc.
Manufacturing Chemists Since 1849
630 FLUSHING AVE., BROOKLYN 6, N. Y.
425 N. MICHIGAN AVE., CHICAGO 11, ILL.
605 THIRD ST., SAN FRANCISCO 7, CALIF.

OXALATES see advertisements on this page and individual listings

OXAMMONIUM HYDROCHLORIDE see Hydroxylamine Hydrochloride

OXAMMONIUM SULFATE see Hydroxylamine Sulfate

OX GALL (Fel Bovis)

Yellowish-green liq., unpleasant odor. From bile of ox. Uses—as soap ingredient; cleansing agent; in engraving and lithography scouring wool; in medicine. Grades—tech.; U.S.P. extract.

Aceto Chem Co, 82 Beaver St, N Y 5
City Chem Corp, 132 W 22 St, N Y 11
Ovimpex Inc, 149 Broadway, N Y 6
Herbert H Parker, 2 Broadway, N Y 4
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Sami S Svendsen, 407 S Dearborn St, Chicago 5, Ill

OXIDANTS see advertisements on page 372 and individual listings

OXIDE, YELLOW, PRECIPITATED see Iron Oxide, Yellow

OXIDES, ENAMELERS'

E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Evans Lead Corp, Box 1467, Charleston 25, W Va
Filo Color & Chem Corp, 202 E 44 St, N Y
Charles Gitlan & Co, 25 Beaver St, N Y 4

OXONE see Sodium Peroxide

Here TODAY
and HERE TOMORROW
TOO!

that's another reason
why users choose

WELSBACH OZONE

More than a quarter century of ozone engineering "know-how" is at your service when you choose dependable and economical Welsbach Ozone. As Pioneers in ozone research ... research which has made low-cost ozone a reality ... Welsbach engineers stand ready to help you with your ozonation problems at any time you call. And 75 years of company existence assures you that those same Welsbach engineers who are here today will be here tomorrow to help you ... in new applications of ozone ... in servicing Welsbach Ozonators ... or in bringing present equipment up-to-the-minute. Write now for the Welsbach catalog folder, "A Square Peg in a Square Hole."

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IS THE OXIDANT OF CHOICE ...
... in chemical processing
... in industrial waste treatment
... in water purification

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OZONE PROCESSES DIVISION
2409 W. Westmoreland Street, Philadelphia 29, Pa.

PIONEERS IN CONTINUING OZONE RESEARCH

o-OXYBENZALDEHYDE see Salicylaldehyde

OXYBUTANOL see Aldol

OXYBUTYRICALDEHYDE see Aldol

OXYGEN

O_2. Colorless, odorless, tasteless gas. Sp. gr. 1.0535. F.P. —218.4°C. B.P. —183.0°C. Sol. molten silver; sl. sol. water. Uses—mfr. gas, oxygenated waters; cutting and welding flames with acetylene; promoting fuel combustion; bleaching paper and pulp; oxidation of oils; maturing of wines and vinegars; in medicine. Grades —tech.; pure; U.S.P.

*Air Reduction Sales Co, 60 E 42 St, N Y 17
*Thomas A Edison, P O Box 15, Stuyvesant Falls, N Y
*Linde Air Products Co, 30 E 42 St, N Y 17
Matheson Co, Paragon Div, E Rutherford, N J
*National Cylinder Gas Co, 840 N Michigan Ave, Chicago 11, Ill
*Ohio Chem & Surgical Equipment Co, 1400 Washington Ave, Madison 10, Wis

OXYMETHYLENE see Formaldehyde

OXYQUINOLINE

$C_9H_6N.OH$. M.W. 146.1. A hydroxy derivative of quinoline.

*Benzol Products Co, 237 South St, Newark 25, N J
*Bios Labs, 17 W 60 St, N Y 23
*Buckman Labs, Memphis, Tenn
Conray Products, 510 6 Ave, N Y 11
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
European Chem Co, 366 Broadway, N Y 13
*Fisher Chem Co, 60 E 42 St, N Y 17
Gane & Ingram, 43 W 16 St, N Y 11
*Lamex Chem Corp, 25 Broadway, N Y 4
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

OXYQUINOLINE BENZOATE

Uses—in medicine as bacteriostatic.

American Roland Corp, 16 Hudson St, N Y
Benzol Products Co, 237 South St, Newark 25, N J
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
*Fisher Chem Co, 60 E 42 St, N Y 17
Gane & Ingram, 43 W 16 St, N Y 11
*Lamex Chem Corp, 25 Broadway, N Y 4
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

OXYQUINOLINE CITRATE (8-Hydroxyquinoline Citrate)

Approx. $C_9H_7ON.C_6H_8O_7$. M.W. 337. Yellow crystalline powd.; saffron-like odor. Freely sol. water. Uses—in medicine as bacteriostatic.

American Roland Corp, 16 Hudson St, N Y
Conray Products, 510 6 Ave, N Y 11
*Fisher Chem Co, 60 E 42 St, N Y 17
Gane & Ingram, 43 W 16 St, N Y 11
*Lamex Chem Corp, 25 Broadway, N Y 4
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J

OXYQUINOLINE SULFATE

$(C_9H_7NO)_2H_2SO_4$. M.M. 388.29. Yellow crystalline powd. Sl. Saffron odor, burning taste. M.P. 175.-178°C. Uses—medicinal, antiseptic.

American Roland Corp, 16 Hudson St, N Y
Benzol Products Co, 237 South St, Newark 25, N J
*Bios Labs, 17 W 60 St, N Y 23
*Conray Products, 510 6 Ave, N Y 11
*Fisher Chem Co, 60 E 42 St, N Y 17
Gane & Ingram, 43 W 16 St, N Y 11
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Lamex Chem Corp, 25 Broadway, N Y 4
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

OXYSALICYLATE see Bismuth Subsalicylate

P.E.T.N. see Pentaerythritol Tetra Nitrate

*Company classifies itself as manufacturer or producer of this product

WILLIAMS OFFERS YOU EXTENDERS FOR ALL PURPOSES

ALBACAR
(Precipitated Calcium Carbonate)
● Anhydrous Calcium Sulfate ● Barytes ● Silica ● Whiting
—FOR—
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And many other industrial products requiring extenders having specific properties. Write, stating your requirements. Address Department 31, C. K. Williams & Co., Easton, Pennsylvania.

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E. & F. KING & CO., Inc.

Industrial Chemicals

ALKALIES
CHROMIUM CHEMICALS
MINERAL ACIDS
ALUMS
LIME
and Other Chemical Specialties

Also

Manufacturers of paints and putties for Industrial and Contract use. Creators and manufacturers of Permodip, a wood preservative.

E. & F. KING & CO., Inc.
640 Pleasant St., Norwood, Mass.
N. Y. Office 60 East 42nd St.
Plants: Norwood, Salem, Mass.

PACKAGING, Private Label

*Academy Mfg Drug Corp, 544 E 171 St, N Y 57
*Edwal Labs, Ringwood, Ill
*B R Elk Co, 193 Palisade Ave, Garfield, N J
*Heckathorn & Co, 641 S 4 St, Richmond 3, Cal
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*L Carlton Mertz Co, 1638 S Normal Ave, Chicago 16, Ill
*National Chem Co, 1506 Industrial St, Los Angeles 21, Cal
*Old Empire Mfg Chemists, 31-33 Coes Pl, Newark 2, N J
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
*Uncle Sam Chem Co, 575 W 131 St, N Y 27

PACKING, Chemical Resistant

Materials for stopping leakage of fluids, usually compounded from various types of asbestos, formulated so as to resist the action of acids, alkalies, or solvents.

*I N Breetwor & Associates, 4005 Wilshire Blvd, Los Angeles, Cal
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Johns-Manville, 22 E 40 St, N Y 16

PAINT BASES

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*American Printing Ink Co, 1810 Campbell St, Cincinnati 10, Ohio
*American-Marietta Co, 101 E Ontario St, Chicago 11, Cal
Basic Varnish & Research Corp, 215 N 10 St, Bklyn 11, N Y
*Bell-Ray Chem Corp, 1608 W Clybourn St, Milwaukee 3, Wis
*Dow Corning Corp, Midland, Mich
*Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Impervious Paint & Varnish Co, 1672 Kinsey St, Phila 24, Pa
*E & F King & Co, 640 Pleasant St, Norwood, Mass
*Monsanto Chem Co, Tex Div, Texas City, Tex
*Shawinigan Products Corp, 350 5 Ave, N Y 1
*Watson-Standard, 225 Galveston Ave, Pittsburgh 12, Pa

PAINT BASES, MILDEW PROOF

*Hercules Powder Co, 9 & Market Sts, Wilmington, Del

PAINT BASES, RESIN EMULSION

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
Basic Varnish & Research Corp, 215 N 10 St, Bklyn 11, N Y
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*Dow Chem Co, Midland, Mich
E I Du Pont de Nemours & Co, Electrochem Dept, & Fabrics & Finishes Dept, Wilmington 98, Del
*Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Monsanto Chem Co, Plastics Div, Springfield, Mass
*Shawinigan Products Corp, 350 5 Ave, N Y 1

PAINTS, ACID-ALKALI RESISTANT

Specially formulated paints, largely of the synth. resin type, exhibiting great resistance to the chemical action of acids and alkalies.

*Aluminum Industries, 2440 Beekman St, Cincinnati 25, Ohio
*American-Marietta Co, Valdura Div, Kankakee, Ill
*Arco Co of Cal, 745 E 59 St, Los Angeles, Cal
Atlantic Chem & Equipment Co, 874 Ashby St N W, Atlanta 3, Ga

PAINTS, ACID-ALKALI RESISTANT, continued

*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Barrett Div, 40 Rector St, N Y 6
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Electro Chem Supply & Engrg Co, 750 Broad St, Emmaus, Pa
*Benjamin Foster Co, 4635 W Girard Ave, Phila 31, Pa
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Inertol Co, 480 Frelinghysen Ave, Newark 5, N J
*Maurice A Knight, P O Box 111, Akron 6, Ohio
*McDougall-Butler Co, 2929 Main St, Buffalo 14, N Y
*Mobile Paint Mfg Co, P O Box 1686, Mobile 9, Ala
*Nukem Products Corp, 111 Colgate Ave, Buffalo 20, N Y
*Pratt & Lambert, 75 Tonawanda St, Buffalo 7, N Y
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*United Chromium, 100 E 42 St, N Y
*U S Varnish Co, 627 Franklin Ave, Hasbrouck Heights, N J
*Varniton Co, 416 N Varney, Burbank, Cal
*Watson-Standard, 225 Galveston Ave, Pittsburgh 12, Pa

PAINTS, ALUMINUM

Formulated with the metallic paste or powd. for surfaces periodically or continuously subjected to high temp., such as steam lines, furnace doors, steam-jacketed kettles, etc., also now employed as a sealer on new and old work.

Adelphi Paint & Color Works, 86 Dumont Ave, Ozone Park 17, N Y
*Alabastine Paint Products, 2639 W Grand Ave, Chicago 12, Ill
*Aluminum Industries, 2440 Beekman St, Cincinnati 25, Ohio
*American-Marietta Co, Valdura Div, Kankakee, Ill
*Armstrong Paint & Varnish Works, 1378-1500 Kilbourn Ave, Chicago, Ill
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Baer Bros, 438 W 37 St, N Y 18
*Baker Paint & Varnish Co, 218-232 Suydam Ave, Jersey City 4, N J
*Carbolineum Wood Preserving Co, 528 W Highland Ave, Milwaukee 3, Wis
*Chemsol Inc, 70 Prince St, Elizabeth 3, N J
*Coating Materials Labs, 689 Main St, Belleville,
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
*Debevoise Co, 74-84 20 St, Bklyn 32, N Y
N J
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Excelsior Varnish Works, 1219 W 74 St, Cleveland 2, Ohio
*L Hemmerdinger & Co, 424 E 123 St, N Y 35
*Howe & French, Mfg Dept, E Weymouth, Mass
*Impervious Paint & Varnish Co, 1672 Kinsey St, Phila 24, Pa
*E & P King & Co, 640 Pleasant St, Norwood, Mass
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*McDougall-Butler Co, 2929 Main St, Buffalo 14, N Y
*Minnesota Paints, 1101 S 3 St, Minneapolis, Minn
*Mobile Paint Mfg Co, P O Box 1686, Mobile 9, Ala
*Pratt & Lambert, 75 Tonawanda St, Buffalo 7, N Y
*Riley Bros, 209 N Main St, Burlington, Iowa
*Ruehl Paint Co, 1008 Central Ave, Cincinnati, Ohio
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Watson-Standard, 225 Galveston Ave, Pittsburgh 12, Pa
*John H Witte & Sons, 206 Jefferson, Burlington, Iowa

PAINTS, ANTI-FOULING

Paints particularly compounded for use on ship's bottoms to retard barnacle growth. Cuprous oxide and mercuric oxide are usually constituents in varying proportions depending upon usual location of the vessel in north temperate, south temperate or tropical waters.

*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
Chemsol Inc, 70 Prince St, Elizabeth 3, N J
*Debevoise Co, 74-84 20 St, Bklyn 32, N Y
*E & F King & Co, 640 Pleasant St, Norwood, Mass
*Mobile Paint Mfg Co, P O Box 1686, Mobile 9, Pa
Sherwin-Williams Co, 100 Park Ave, N Y 17
*Watson-Standard, 225 Galveston Ave, Pittsburgh 12, Pa

PAINTS, ASPHALT

Formulated with pure asphalt as a base, resistant to moisture, acids, alkalies, and used in coating cables, tubing, battery boxes, switchboards, cable and conduit joints, painting metal surfaces such as tanks, vats, equipment; for coating vats, etc., in vinegar and cider mfr.

*American Bitumuls Co, 200 Bush St, San Francisco 4, Cal
*American-Marietta Co, Valdura Div, Kankakee, Ill
*Barrett Div, 40 Rector St, N Y 6
*Berry Asphalt Co, Magnolia, Ark
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Excelsior Varnish Works, 1219 W 74 St, Cleveland 2, Ohio
*Herbert Chem Co, Vine St & Murray Rd, Cincinnati 17, Ohio
*Inertol Co, 480 Frelinghysen Ave, Newark 5, N J
*Mobile Paint Mfg Co, P O Box 1686, Mobile 9, Ala
*Riley Bros, 209 N Main St, Burlington, Iowa
Rocky Mtn Supply Co, 2120 Market St, Denver, Col
Ruberoid Co, 500 5 Ave, N Y 18
*Schaffer-Moss Chem Corp, 1222 Shore Ave, Pittsburgh 33, Pa
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Trumbull Asphalt Co of Del, 59 & Archer Rd, Summit, Ill
*Watson-Standard, 225 Galveston Ave, Pittsburgh 12, Pa
*Witco Chem Co, 295 Madison Ave, N Y 17

*Company classifies itself as manufacturer or producer of this product

PAINTS, BATTERY

Made with asphalt, gilsonite, and such solvents as mineral spirits; are quick drying, and rather heavy bodied. Their spreading rate is low, and they form rather a heavy film. Principal characteristics are, high chemical and water resistance, and low price.

*Arco Co of Cal, 745 E 59 St, Los Angeles, Cal

PAINTS, BITUMINOUS

Coatings with a bituminous base and used largely on roofs and on pipe lines, gas mains, etc., to provide protection against moisture, salts, alkalies, acids, and electrolysis.

*American Bitumuls Co, 200 Bush St, San Francisco 4, Cal
Asphalt Emulsion Service, 331 Madison Ave, N Y 17
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Barrett Div, 40 Rector St, N Y 6
*Inertol Co, 480 Frelinghysen Ave, Newark 5, N J
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Mobile Paint Mfg Co, P O Box 1686, Mobile 9, Ala
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
*Sherwin-Williams Co, 100 Park Ave, N Y 17

PAINTS, BOILER

Paints for boiler fronts formulated with special oils and gums to obtain excellent elasticity and resistance to quick changes of temp. Should withstand temp. between 500 to 700°F. without losing life or lustre; should resist steam, smoke, fumes, gases, acids, and alkalies.

*Arco Co of Cal, 745 E 59 St, Los Angeles, Cal

PAINTS, CASEIN

Coatings in which casein replaces the linseed or other drying oils of ordinary paint. Casein provides the sizing property, whereas fillers supply the covering power. For indoor ornamental work, the usual fillers are lime-powdered chalk, or kaolin. For outside, lime or cement becomes the filler. The paint is prepared by mixing intimately correct proportions of casein, filler and pigment in a mill. The finishel powd. is mixed with water to correct consistency when used by the consumer. Casein paints provide pleasant effects, are very durable, and with special treatment are washable.

*Monsanto Chem Co, Western Div, 911 Western Ave, Seattle, Wash
A J & J O Pilar, Chapel St & Lister Ave, Newark 5, N J
*Ruehl Paint Co, 1008 Central Ave, Cincinnati, Ohio
*Sherwin-Williams Co, 100 Park Ave, N Y 17

PAINTS, CEMENT

Highly specialized formulations characterized by chemical resistance and hardness which waterproof and prevent disintegration of cement or concrete surfaces, thereby eliminating chalking and dusting. Somewhat different formulations are used on stucco, brick, stone and cement for floor and wall surfaces, exterior or interior.

*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Baker Paint & Varnish Co, 218-232 Suydam Ave, Jersey City 4, N J
*Ceresit Waterproofing Corp, 3227 Shields Ave, Chicago 16, Ill
*Euclid Chem Co, 1534 Hayden Ave, E Cleveland 12, Ohio
*Alfred Hague & Co, 227 34 St, Bklyn, N Y
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Mobile Paint Mfg Co, P O Box 1686, Mobile 9, Ala
*Sika Chem Corp, 33-47 Gregory Ave, Passaic, N J
*Watson-Standard, 225 Galveston Ave, Pittsburgh 12, Pa
*John H Witte & Sons, 206 Jefferson, Burlington, Iowa

PAINTS, CHLORINATED RUBBER

Specialized formulations containing chlorinated rubber which improves gloss, increases durability of the finish, accelerates drying rate, increases resistance to corrosion, acids and alkalies. Find special applications as anti-corrosion coatings on metal structures, equipment, etc., in concrete coatings, etc.

*American-Marietta Co, 101 E Ontario St, Chicago 11, Ill
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Chemsol Inc, 70 Prince St, Elizabeth 3, N J
*Coating Materials Labs, 689 Main St, Belleville, N J
*Debevoise Co, 74-84 20 St, Bklyn 32, N Y
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Excelsior Varnish Works, 1219 W 74 St, Cleveland 2, Ohio
*Alfred Hague & Co, 227-34 St, Bklyn, N Y
*Inertol Co, 480 Frelinghysen Ave, Newark 5, N J
*McDougall-Butler Co, 2929 Main St, Buffalo 14, N Y
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Rudd Paint & Varnish Co, 1608 15 Ave W, Seattle 99, Wash
*Standard Varnish Works, 2600 Richmond Terrace, S I 3, N Y
*Toch Bros, 2600 Richmond Terrace, S I, N Y
*United Chromium, 100 E 42 St, N Y
*Watson-Standard, 225 Galveston Ave, Pittsburgh 12, Pa

PAINTS, COAL TAR

*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Barrett Div, 40 Rector St, N Y 6
*California Flaxseed Products Co, 3125 E 26 St, Los Angeles 23, Cal
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
*Inertol Co, 480 Frelinghysen Ave, Newark 5, N J
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Mobile Paint Mfg Co, P O Box 1686, Mobile 9, Ala
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind

PAINTS, COLD WATER

*A Adler & Son, 1041 Front St, Phila 23, Pa
Mobile Paint Mfg Co, P O Box 1686, Mobile 9, Ala
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Shawinigan Products Corp, 350 5 Ave, N Y 1
*Sherwin-Williams Co, 100 Park Ave, N Y 17

PAINTS, DAMP RESISTING

Elastic, full bodied, tacky products prepared for spray or brush application to the interior surfaces to prevent the penetration of dampness and to make the inside stain-proof.

*Aluminum Industries, 2440 Beekman St, Cincinnati 25, Ohio
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Barrett Div, 40 Rector St, N Y 6
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Euclid Chem Co, 1534 Hayden Ave, E Cleveland 12, Ohio
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Mobile Paint Mfg Co, P O Box 1686, Mobile 9, Ala
Ruberoid Co, 500 5 Ave, N Y 18

PAINTS, DIPPING

Thin-bodied paints used in the coating of production items. These paints are generally made with varnish vehicles and pigmented with the usual material, depending upon the color required. They dry quickly and are so formulated that the body of the paint in the tank remains constant during use. Dipping Paints also vary considerably in price, depending upon the service to which they are put.

Adelphi Paint & Color Works, 86 Dumont Ave, Ozone Park 17, N Y
*Aluminum Industries, 2440 Beekman St, Cincinnati 25, Ohio
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Baer Bros, 438 W 37 St, N Y 18
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Minnesota Paints, 1101 S 3 St, Minneapolis, Minn
*Sherwin-Williams Co, 100 Park Ave, N Y 17

PAINTS, FIRE RETARDANT

*Benjamin Foster Co, 4635 W Girard Ave, Phila 31, Pa
*Grand Rapids Varnish Corp, 1350 Steele Ave S W, Grand Rapids 2, Mich
E & F King & Co, 640 Pleasant St, Norwood, Mass
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Watson-Standard, 225 Galveston Ave, Pittsburgh 12, Pa

PAINTS, GAS MAIN

Specialized paints highly resistant to moisture, salts, alkalies, certain organic acids, and electrolysis; excellent bonding properties to metal.

Adelphi Paint & Color Works, 86 Dumont Ave, Ozone Park 17, N Y

PAINTS, GRAPHITE

Paints formulated with finely divided graphite for covering metal surfaces to act as an anti-corrosion coating.

*Schaffer-Moss Chem Corp, 1222 Shore Ave, Pittsburgh 33, Pa
*Watson-Standard, 225 Galveston Ave, Pittsburgh 12, Pa
*John H Witte & Sons, 206 Jefferson, Burlington, Iowa

PAINTS, HEAT RESISTANT

Formulated with heat resisting oils and selected fillers to be impervious to temp. as high as 500 to 600° F., and employed on smokestacks, locomotives, steel kettles, boiler fronts, incinerators, etc. See also Paints, Smokestack.

Adelphi Paint & Color Works, 86 Dumont Ave, Ozone Park 17, N Y
*Aluminum Industries, 2440 Beekman St, Cincinnati 25, Ohio
*American Chem Paint Co, Ambler, Pa
*American-Marietta Co, Valdura Div, Kankakee, Ill
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Barrett Div, 40 Rector St, N Y 6
*Chemsol Inc, 70 Prince St, Elizabeth 3, N J
*Debevoise Co, 74-84 20 St, Bklyn 32, N Y
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Excelsior Varnish Works, 1219 W 74 St, Cleveland 2, Ohio

PAINTS, HEAT RESISTANT, continued

*Impervious Paint & Varnish Co, 1672 Kinsey St, Phila 24, Pa
*E & F King & Co, 640 Pleasant St, Norwood, Mass
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Minnesota Paints, 1101 S 3 St, Minneapolis, Minn
*Pingo Co, 79 Sudbury St, Boston 14, Mass
*Schaffer-Moss Chem Corp, 1222 Shore Ave, Pittsburgh 33, Pa
*Standard Varnish Works, 2600 Richmond Terrace, S I 3, N Y
*Watson-Standard, 225 Galveston Ave, Pittsburgh 12, Pa

PAINTS, INSULATING

Coatings resistant to fire and in many instances resistant also to acids, oil, etc.; insulators of electricity; withstand high temp. Used in heat treating of steel for anti-carburizing, replacing asbestos paper for furnace pipes, fire-proof painting of wood, porcelainizing brick and concrete walls; as a protection on metal against rust and corrosion, sticking asbestos paper into annealing boxes, as a fire proof marking material in high temperatures; as a pulley dressing to prevent slipping; as a coating for factories, etc.

Adelphi Paint & Color Works, 86 Dumont Ave, Ozone Park 17, N Y
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del

PAINTS, LUMINOUS

Special paints, formulated with luminous pigments which "glow" in the dark, find application on watch and instrument dials, door knobs, electric light pull chains, signs, etc., and wherever attention to objects in the dark is desirable, either from the artistic or safety viewpoint. Color of the luminescence can be varied and controlled within wide limits.

*American Products Mfg Co, 8127-8133 Oleander & Dublin Sts, New Orleans 18, La
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
*Switzer Bros, 4732 St Clair Ave, Cleveland 3, Ohio

PAINTS, METALLIC

Specially formulated products, often containing finely ground iron oxides, for use on metal tanks, roofs, bridges, elevators, and other exposed metal surfaces. Should provide an intimate bond with the metal so as not to "lift" on long exposure to the elements. See also Paints, for Rusted Metal Surfaces.

*Baker Paint & Varnish Co, 218-232 Suydam Ave, Jersey City 4, N J
*Debevoise Co, 74-84 20 St Bklyn 32, N Y
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Grand Rapids Varnish Corp, 1350 Steele Ave S W, Grand Rapids 2, Mich
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Impervious Paint & Varnish Co, 1672 Kinsey St, Phila 24, Pa
*Sherwin-Williams Co, 100 Park Ave, N Y 17

PAINTS, MILDEW RESISTANT

*American-Marietta Co, Valdura Div, Kankakee, Ill
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Debevoise Co, 74-84 20 St Bklyn 32, N Y
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Impervious Paint & Varnish Co, 1672 Kinsey St, Phila 24, Pa
*Minnesota Paints, 1101 S 3 St, Minneapolis, Minn
*Quigley Co, 527 5 Ave, N Y 17
*Sherwin-Williams Co, 100 Park Ave, N Y 17

PAINTS, MILL WHITE

Paints formulated primarily for plants, lofts, schools, public buildings, etc., where pure whiteness and resistance to yellowing are essential. Should have good resistance to abrasion and vibration of factory walls, and should stand up under repeated washings.

*Arco Co, 7301 Bessemer Ave, Cleveland 27, Ohio
*Armstrong Paint & Varnish Works, 1318-1500 Kilbourn Ave, Chicago, Ill
*Arco Co of Cal, 745 E 59 St, Los Angeles, Cal
*Debevoise Co, 74-84 20 St, Bklyn 32, N Y
*Baker Paint & Varnish Co, 218-232 Suydam Ave, Jersey City 4, N J
*Coating Materials Labs, 689 Main St, Belleville, N J
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*L Hemmerdinger & Co, 424 E 123 St, N Y 35
*McDougall-Butler Co, 2929 Main St, Buffalo 14, N Y
*Minnesota Paints, 1101 S 3 St, Minneapolis, Minn
*Pratt & Lambert, 75 Tonawanda St, Buffalo 7, N Y
*Riley Bros, 209 N Main St, Burlington, Iowa
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*John H Witte & Sons, 206 Jefferson, Burlington, Iowa
*Yarnall Paint Co, Grays Ave W of 54 St, Phila 43, Pa

PAINTS, OIL-PROOF

Are made with a varnish vehicle, and are generally used for decorating machinery. Alkyd resin enamels are par-

*Company classifies itself as manufacturer or producer of this product

PAINTS, OIL PROOF, continued

ticularly suited for this service because of their resistance to heat and lubricating oil. Oil-proof enamels are also used for the painting of transformers which are subjected to both interior and exterior exposures, along with frequent splashing of oil.

*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*McDougall-Butler Co, 2929 Main St, Buffalo 14, N Y
*Sherwin-Williams Co, 100 Park Ave, N Y 17

PAINTS, RESIN EMULSION

*Adhesive Products Corp, 1660 Boone Ave, N Y
*Armstrong Paint & Varnish Works, 1318-1500 Kilbourn Ave, Chicago, Ill
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Minnesota Paints, 1101 S 3 St, Minneapolis, Minn
*Monsanto Chem Co, Western Div, 911 Western Ave, Seattle, Wash
*Ruehl Paint Co, 1008 Central Ave, Cincinnati, Ohio
*Shawinigan Products Corp, 350 5 Ave, N Y 1
*Sherwin-Williams Co, 100 Park Ave, N Y 17

PAINTS, ROOFING

Protective coatings which possess special properties of resistance to extremes of weather and temp. for use on metal, concrete, brick, tile, wood, asbestos, and other types of roofing materials.

Adelphi Paint & Color Works, 86 Dumont Ave, Ozone Park 17, N Y
*Aluminum Industries, 2440 Beekman St, Cincinnati 25, Ohio
*American Bitumuls Co, 200 Bush St, San Francisco 4, Cal
*Arco Co of Cal, 745 E 59 St, Los Angeles, Cal
*Baker Paint & Varnish Co, 218-232 Suydam Ave, Jersey City 4, N J
*Barrett Div, 40 Rector St, N Y 6
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Excelsior Varnish Works, 1219 W 74 St, Cleveland 2, Ohio
*L Hemmerdinger & Co, 424 E 123 St, N Y 35
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Riley Bros, 209 N Main St, Burlington, Iowa
*Schaffer-Moss Chem Corp, 1222 Shore Ave, Pittsburgh 33, Pa
*Southern Cotton Oil Co, 25 Broad St, N Y 4

PAINTS, FOR RUSTED METAL SURFACES

Elastic coatings applied directly on rusted surfaces (loose scale is first removed mechanically) which penetrate the pores of the rust, neutralizing the rust stimulants and rendering the surface passive.

Adelphi Paint & Color Works, 86 Dumont Ave, Ozone Park 17, N Y
*American-Marietta Co, Valdura Div, Kankakee, Ill
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*Arco Co of Cal, 745 E 59 St, Los Angeles, Cal
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
*Debevoise Co, 74-84 20 St Bklyn 32, N Y
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Excelsior Varnish Works, 1219 W 74 St, Cleveland 2, Ohio
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*E & F King & Co, 640 Pleasant St, Norwood, Mass
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Minnesota Paints, 1101 S 3 St, Minneapolis, Minn
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Pingo Co, 79 Sudbury St, Boston 14, Mass
*Standard Varnish Works, 2600 Richmond Terrace, S I 3, N Y
*Varnitor Co, 416 N Varney, Burbank, Cal

PAINTS, SMOKESTACK

Paints formulated with special oils and gums to impart great resistance to heat, durability, and elasticity.

Adelphi Paint & Color Works, 86 Dumont Ave, Ozone Park 17, N Y
*Aluminum Industries, 2440 Beekman St, Cincinnati 25, Ohio
*American-Marietta Co, Valdura Div, Kankakee, Ill
*Arco Co of Cal, 745 E 59 St, Los Angeles, Cal
*Baker Paint & Varnish Co, 218-232 Suydam Ave, Jersey City 4, N J
*Barrett Div, 40 Rector St, N Y 6
*Carbolineum Wood Preserving Co, 528 W Highland Ave, Milwaukee 3, Wis
*Debevoise Co, 74-84 20 St, Bklyn 32, N Y
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*E & F King & Co, 640 Pleasant St, Norwood, Mass
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*McDougall-Butler Co, 2929 Main St, Buffalo 14, N Y
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Pingo Co, 79 Sudbury St, Boston 14, Mass
*Quigley Co, 527 5 Ave, N Y 17

PAINTS, STREET-MARKING

Specially prepared paints which dry to a tough film, resistant to abrasion and weather; used for marking streets, gas station driveways, loading platforms, etc.; should also have resistance to oil, water, alkali, and acids.

Adelphi Paint & Color Works, 86 Dumont Ave, Ozone Park 17, N Y
*Alabastine Paint Products, 2639 W Grand Ave, Chicago 12, Ill
*American-Marietta Co, Valdura Div, Kankakee, Ill
*Barrett Div, 40 Rector St, N Y 6
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Minnesota Paints, 1101 S 3 St, Minneapolis, Minn
*E & F King & Co, 640 Pleasant St, Norwood, Mass
*Ruehl Paint Co, 1008 Central Ave, Cincinnati, Ohio
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*John H Witte & Sons, 206 Jefferson, Burlington, Iowa

PAINTS, STRUCTURAL

Coatings formulated with the two-fold purpose of protection against corrosion and appearance. Black finishing coats are generally formulated with red lead, black pigment, Prussian blue; others contain graphite. Where light colors are desired white-base pigments and various tinting colors are used. See also Primers, Paint, Metal.

Adelphi Paint & Color Works, 86 Dumont Ave, Ozone Park 17, N Y
*American-Marietta Co, Valdura Div, Kankakee, Ill
*Arco Co of Cal, 745 E 59 St, Los Angeles, Cal
*Armstrong Paint & Varnish Works, 1318-1500 Kilbourn Ave, Chicago, Ill
*Baker Paint & Varnish Co, 218-232 Suydam Ave, Jersey City 4, N J
*Barrett Div, 40 Rector St, N Y 6
*Coating Materials Labs, 689 Main St, Belleville, N J
*Debevoise Co, 74-84 20 St, Bklyn 32, N Y
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Howe & French, Mfg Dept, E Weymouth, Mass
*E & F King & Co, 640 Pleasant St, Norwood, Mass
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*McDougall-Butler Co, 2929 Main St, Buffalo 14, N Y
*Minnesota Paints, 1101 S 3 St, Minneapolis, Minn
*Pratt & Lambert, 75 Tonawanda St, Buffalo 7, N Y
*Ruehl Paint Co, 1008 Central Ave, Cincinnati, Ohio
*Schaffer-Moss Chem Corp, 1222 Shore Ave, Pittsburgh 33, Pa
*Sherwin-Williams Co, 100 Park Ave, N Y 17
Simmons Products Co, 15 Moore St, N Y
*Standard Varnish Works, 2600 Richmond Terrace, S I 3, N Y
*Timeproof Paint Products, 40 Richard St, Bklyn 31, N Y
*John H Witte & Sons, 206 Jefferson, Burlington, Iowa

PAINTS, SYNTHETIC LATEX

*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Minnesota Paints, 1101 S 3 St, Minneapolis, Minn
*Sherwin-Williams Co, 100 Park Ave, N Y 17

PAINTS, WATERPROOFING

Specially prepared paints, often containing gilsonite or some other form of asphalt, and providing surface protection against water, weather conditions, acids, alkalies. Usually recommended for use on bridges, fire escapes, tanks, etc.

*Adhesive Products Corp, 1660 Boone Ave, N Y
*A Adler & Son, 1041 Front St, Phila 23, Pa
*American Bitumuls Co, 200 Bush St, San Francisco 4, Cal
*Arco Co of Cal, 745 E 59 St, Los Angeles, Cal
Asphalt Emulsion Service, 331 Madison Ave, N Y 17
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Barrett Div, 40 Rector St, N Y 6
*Ceresit Waterproofing Corp, 3227 Shields Ave, Chicago 16, Ill
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Euclid Chem Co, 1534 Hayden Ave, E Cleveland 12, Ohio
*Alfred Hague & Co, 227-34 St, Bklyn, N Y
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*E & F King & Co, 640 Pleasant St, Norwood, Mass
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Rinshed-Mason Co, 5935 Milford St, Detroit 10, Mich
*Schaffer-Moss Chem Corp, 1222 Shore Ave, Pittsburgh 33, Pa
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Sika Chem Corp, 33-47 Gregory Ave, Passaic, N J
*Timeproof Paint Products, 40 Richard St, Bklyn 31, N Y
*Trumbull Asphalt Co of Del, 59 & Archer Rd, Summit, Ill

PALE CATECHU see Gambir

PALLADIUM

Pd. An element, silvery-white metal. At. Wt. 106.7. Sp. gr. 11.4 (22.5°C). M.P. 1555°C. Insol. water; sol. aqua regia and hot acids. Uses—catalytic agent; hydrogen absorbent; jewelry.

*Anaconda Copper Mining Co, 25 Broadway, N Y 4

CHLORINATED PARAFFIN

CP-40,® Liquid

42% Chlorine

HOOKER ELECTROCHEMICAL CO.

4715 Buffalo Ave., Niagara Falls, New York
New York, N. Y. - Tacoma, Wash. - Wilmington, Calif.

WRITE FOR GENERAL PRODUCTS LIST — HOOKER CHEMICALS

FOR LISTINGS OF OTHER PRODUCTS SEE AD IN CO. DIRECTORY SECTION

*Baker & Co, 113 Astor St, Newark 5, N J
Fleischman, Burd & Co, 22 W 48 St, N Y 19
*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill
*T B Hagstoz & Son, 709 Sansome St, Phila 6, Pa
Metallurgical Products Co, 35 & Moore Sts, Phila 45, Pa
*Sherwin-Williams Co, 100 Park Ave, N Y 17

PALLADIUM BICHLORIDE see Palladium Chloride

PALLADIUM CHLORIDE (Palladous Chloride, Palladium Bichloride)

$PdCl_2.2H_2O$. Dark brown, deliq. powd. M.P. 501°C. Sol. water, hydrochloric acid. Uses—mfr. writing, printing and indelible inks, stearin, porcelains, electroplating photographic toning agents; mordant in dyeing and printing textiles; laboratory reagent; local germicide; analytical chemistry; detecting carbon monoxide gas; wood cleaning; metal scouring; removing iron and mold from textiles; in medicine. Grades—tech.

*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill

PALLADOUS CHLORIDE see Palladium Chloride

PALM BUTTER see Oil, Palm

PALM GREASE see Oil, Palm

PALMITOYL CHLORIDE

*Genessee Research Corp, 961 Lyell Ave, Rochester 6, N Y
*Trubek Labs, State Hway Rt 17, E Rutherford, N J

PANAMA BARK see Soap Bark

PARA RED see p-Nitraniline, Red

PARAFFIN, CHLORINATED

Light yellow to light amber; odorless. Percentage of chlorine varies. Uses—solvent for dichloramine, high pressure lubricant, flame-proofing of textiles, especially canvas and electrical insulation.

*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7

*Company classifies itself as manufacturer or producer of this product

Celanese®
CHEMICALS

PARAFORMALDEHYDE

FORMALDEHYDE
FORMCEL*
(Formaldehyde in Alcohol)
ACETALDEHYDE

ACETALS
ACIDS
ALCOHOLS
KETONES
OXIDES
PLASTICIZERS
SOLVENTS

See Celanese Advertisement in Catalog Section

CELANESE CORPORATION OF AMERICA
Chemical Division, Dept. 511
180 Madison Avenue, New York 16

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SAN FRANCISCO • BISHOP, TEXAS

*REG. U. S. PAT. OFF.

Niacet
TRADE-MARK

PARALDEHYDE
Technical—U.S.P.

•

For use in production of resins, chloral, and dyestuffs. A convenient source of acetaldehyde by decomposition with a mineral acid. Shipments of technical grade in 435 lb. net drums and 66,000 lb. net tank cars; U.S.P. grade in 100 lb. cases and 875 lb. aluminum drums.

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For further information write to:
CARBIDE AND CARBON CHEMICALS COMPANY
A Division of
Union Carbide and Carbon Corporation
30 E. 42nd St. UCC New York 17, N. Y.

PARAFFIN, CHLORINATED, continued

American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
*Julius Hyman & Co, Box 2171, Denver, Col
Lannett Co, Frankford Ave & Allen St, Phila 25, Pa
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Republic Chem Corp, 94 Beekman St, N Y 38

PHENOL BROMIDE see Bromobenzene

PARAFORM see Paraformaldehyde

PARAFORMALDEHYDE (Paraform, Trioxymethylene, Triformol, Polymerized Formic Aldehyde)

$(CH_2O)_3$. M.W. 90.04. White, crystalline powd., odor formaldehyde. M.P. 162°C. Sol. water; insol. alcohol, ether. Uses—mfr. pharmaceutical preparations, artificial ivory and horn, aldehyde resins; waterproofing glues; as a germicide, fungicide, deodorant, fumigant. See also Formaldehyde. Grades—U.S.P. (95%) powdered.

American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
*Celanese Corp of America, 180 Madison Ave, N Y 16
*Cities Service Oil Co, Masonic-Empire Bldg, Bartlesville, Okla
De Bear Inc, 636 11 Ave, N Y 19
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Philip A Hunt Co, Palisades Park, N J
McKesson & Robbins, 155 E 44 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
Republic Chem Corp, 94 Beekman St, N Y 38
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

PARALDEHYDE—see also Aldol

$(CH_3CHO)_3$. M.W. 132.09. Colorless liq., pleasant odor. Sp. gr. 0.9943; M.P. 10.5°C. B.P. 124°C. Con. geals at or below 11.0°C. Sol. water; miscible alcohol, ether, chloroform, volatile oils. Uses—mfr. dyestuffs, intermediates, organic chemicals; as disinfectant; in medicine. Grades—commercial; pharmaceutical.

American Firstoline Corp, 420 Lexington Ave, N Y
J T Baker Chem Co, Phillipsburg, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Shawinigan Products Corp, 350 5 Ave, N Y 1

PARATHION (O,O-Diethyl-o-p-Nitrophenyl Thiophosphate; Diethyl p-Nitrophenyl Thionophosphate)

$C_{10}H_{14}O_5PSN$. M.W. 291. Dark brown liquid. Miscible with aromatic and polar solvents; sl. sol. kerosene, petroleum ether, other paraffinic solvents, water. Uses—active ingredient in insecticides.

*California Spray-Chem Corp, Lucas & Ortho Way, Richmond, Cal
Florida Agricultural Supply Co, 1611 Talleyrand Ave, Jacksonville, Fla
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
McKesson & Robbins, 155 E 44 St, N Y 17
Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Nash Chem Co, Box 596, Belle Glade, Fla
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
*Pittsburgh Coke & Chemical Co, 1905 Grant Bldg, Pittsburgh 30, Pa
*Riverdale Chem Co, 324 E 147 St, Harvey, Ill
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
George Uhe Co, 76 9 Ave, N Y 14

PARIS GREEN see Copper Acetoarsenite

PARIS YELLOW see Lead Chromate

PARROT GREEN see Copper Acetoarsenite

PASTES

*Arabol Mfg Co, 110 E 42 St, N Y 17
Arthur S Hoyt, 175 5 Ave, N Y
*Industrial Chem Specialties Co, P O Box 456, Baytown, Tex
*Knefler Bates Co, 1730 W Mich St, Indianapolis 6, Ind
*Paisley Products, 630 W 51 St, N Y
*Pennsylvania Color & Chem Co, Pine Run Rd, Doylestown, Pa

PASTES, continued

*Union Paste Co, 1605 Hyde Park Ave, Hyde Park 36, Mass

PASTES, LABEL

Adhesives for paper labels on tin, glass, wood, painted and enameled surfaces.

*Arabol Mfg Co, 110 E 42 St, N Y 17
*Borden Co, 350 Madison Ave, N Y 17
Arthur S Hoyt Co, 175 5 Ave, N Y
*Hughes Glue Co, 3500 St Aubin Ave, Detroit 7, Mich
*Industrial Chem Specialties Co, P O Box 456, Baytown, Tex
*Marks Chem Works, 20 W 22 St, N Y 10
*Paisley Products, 630 W 51 St, N Y
*Scriptex Products Co, 513 S 2 St, Phila, Pa
*Stiktotin Co, 20 W 22 St, N Y 10
*Union Paste Co, 1605 Hyde Park Ave, Hyde Park 36, Mass

PASTES, LIBRARY

*Arabol Mfg Co, 110 E 42 St, N Y 17
*Paisley Products, 630 W 51 St, N Y
*I Pomeroy Co, 26 Nicholson St, Newark 2, N J
*Scriptex Products Co, 513 S 2 St, Phila, Pa
*Union Paste Co, 1605 Hyde Park Ave, Hyde Park 36, Mass

PASTES, TEXTILE FINISHING

Pastes specially compounded usually of starches and gums for use on textile print machines to aid in giving a sharp regular line and clearcut detail. They also serve to give a good "cushion" between the blade and the roller.

Antara Products Div, 435 Hudson St, N Y 14
*Arabol Mfg Co, 110 E 42 St, N Y 17
*Catalin Corp of America, 1 Park Ave, N Y 16
Arthur S Hoyt Co, 175 5 Ave, N Y
*Morningstar Nicol, 630 W 51 St, N Y 19
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Paisley Products, 630 W 51 St, N Y
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Ultra Chem Works, 2 Wood St, Paterson 4, N J

PASTES, TIN LABELING

Specialized pastes which give particularly good bond between paper labels and tin containers, etc., should prevent rust spots; should hold securely under all conditions; should not affect ordinary colors, should not warp or wrinkle paper, should not become rancid in warm weather or climates.

*Arabol Mfg Co, 110 E 42 St, N Y 17
*Hughes Glue Co, 3500 St Aubin Ave, Detroit 7, Mich
*Industrial Chem Specialties Co, P O Box 456, Baytown, Tex
*Paisley Products, 630 W 51 St, N Y
*Union Paste Co, 1605 Hyde Park Ave, Hyde Park 36, Mass

PATENT ALUM see Aluminum Sulfate

PATENT RED see Mercury Sulfide, Red

PATGREEN see Copper Acetoarsenite

PEARL ALUM see Aluminum Sulfate

PEARL ASH see Potassium Carbonate

PEARL ESSENCE

Product obtained from fish scales, e.g. of European minnow or herring, which is used on materials to obtain a highly lustrous coating; as, in imitation pearls.

American-British Chem Supplies, 180 Madison Ave, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Chem Advance Corp, 1345 Arch St, Phila, Pa
Interocean Chem & Minerals Corp, 120 Broadway, N Y 5
L J & M La Place, Leliarts Lane, E Paterson, N J
*Mearl Corp, 153 Waverly Pl, N Y 14
*Paispearl Products, 65 Nassau St, N Y 38
Edward I Petow & Son, Box 248, Hyannis, Mass
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Szenkovits Corp, Chrysler Bldg, N Y 17
I D Talve Trading Co, 305 Broadway, N Y
Var-Lac-Old Chem Co, 116 Broad St, N Y 4

PEARL MOSS see Moss, Irish

PEARL WHITE see Bismuth Oxychloride

PECTIN

Complex vegetable carbohydrate found in fruit juices. Being natural material, it is not uniform in strength. A #100 pectin would jellify 100 lbs. of sugar combined with water or juices, so as to give 65% sugar content in finished product having pH of 3.00. Standardizing is accomplished by checking finished pectin and diluting with sufficient quantity anhydrous corn sugar to give strength of above standard. For export purposes, to reduce freight and space, a #160 grade is frequently sold. Newer developments of pectin are not entirely dependent on jellying strength; for this reason it

*Company classifies itself as manufacturer or producer of this product

MONSANTO
NIRAN
(MONSANTO'S PARATHION)

Insecticide having high activity against a wide variety of insects and mites. May be applied as a spray, dust, dust suspension or aerosol. Highly toxic to man and higher animals. Very low plant toxicity.

Description: Dark brown liquid; assay 96.5%; Sp. Gr. 1.26-1.27 at 25°/25° C.

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division
St. Louis 4, Mo.

Niran: Reg. U. S. Pat. Off.

MONSANTO CHEMICALS – PLASTICS

SERVING INDUSTRY . . . WHICH SERVES MANKIND

Pearl Essence

for

Decorative Finishes

Nail Polish

Plastics

•

THE
MEARL
CORPORATION

153 Waverly Place

New York 14, N. Y.

PECTIN, continued

appears inadvisable to dilute with sugars, the pectin being sold in as pure state as possible, with statement of jellying strength, which might be #140, #160, #185 or possibly #200. Uses—in drug trade, quenching of steel, binder for tablets, as stabilizer, and generally where active protective colloid is desired, or where controlled viscosities are required.

Amend Drug & Chem Corp, 117-119 E 24 St, N Y
American Roland Corp, 16 Hudson St, N Y
*Colyer Co, 10 W 47 St, N Y
Consumers Products Co, 99 Hudson St, N Y 13
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Lannett Co, Frankford Ave & Allen St, Phila 25, Pa
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
O J Weeks Co, 16 Hudson St, N Y 13

PEGU CATECHU see Cutch

3-5-7-3-4-PENTAHYDROXYFLAVONE-3-RUTINOSIDE see Rutin

PENETRANTS, CARBONIZING

Antara Products Div, 435 Hudson St, N Y 14
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Ciba Co, 627 Greenwich St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*National Aniline Div, 40 Rector St, N Y 6
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J

PENETRANTS, LEATHER

Products which aid the entrance of the dye into leather.

*Antara Products Div, 435 Hudson St, N Y 14
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
Bergstrom Trading Co, 233 Broadway, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Ciba Co, 627 Greenwich St, N Y 14
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*E F Drew & Co, 15 E 26 St, N Y 10
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*M Michel & Co, 90 Broad St, N Y 4
*National Aniline Div, 40 Rector St, N Y 6
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

PENETRANTS, TEXTILE

Wide variety of preps., including pine oil, cresols, organic solvents, etc., used to assist in obtaining a deeper and more thorough penetration of the dye, giving to the finished goods a more "leveled" appearance.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Antara Products Div, 435 Hudson St, N Y 14
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Atlantic Chem & Equipment Co, 874 Ashby St N W, Atlanta 3, Ga
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*Burkart-Schier Chem Co, Chestnut St at 13, Chattanooga 2, Tenn

PENETRANTS, TEXTILE, continued

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Ciba Co, 627 Greenwich St, N Y 14
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
*Commonwealth Color & Chem Co, 3240 Grace Ave, Bronx 67, N Y
*E F Drew & Co, 15 E 26 St, N Y 10
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
*Fabric Chem Co, 61 Cornelison Ave, Jersey City 4, N J
*Geigy Co, 89 Barclay St, N Y 8
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Lanatex Chem Co, 49 Westminster St, Providence, R I
*Leatex Chem Co, 2722 N Hancock St, Phila 33, Pa
*Marlowe-Van Loan Corp, Box 1851, High Point, N C
M Michel & Co, 90 Broad St, N Y 4
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
*National Aniline Div, 40 Rector St, N Y 6
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Protean Chem Corp, 150 Nassau St, N Y 38
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Scher Bros, 519 Getty Ave, Clifton, N J
*Scholler Bros, Collins & Westmoreland Sts, Phila 34, Pa
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Tex-Chem Co, 20-21 Wagaraw Rd, Fairlawn, N J
*Titan Chem Products, Mill Rd & Wayne St, Jersey City, N J
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
Warwick Chem Co Div, Wood River Junction, R I
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

PENICILLIN

Potent antibiotic obtained from the culture liquor of several species of the mold PENICILLIUM. Yellow powd. Sol. water. Low degree of toxicity, bacteriostatic, both in vivo and in vitro, against most Gram-positive, aerobic and anaerobic organisms.

Alcar Products Co, 154 Nassau St, N Y 38
American Roland Corp, 16 Hudson St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bristol Labs, P O Box 657, Syracuse 3, N Y
Chematar Inc, Exchange Pl, N Y 5
Chem Mfg Co, 21 West St, N Y
Conray Products, 510 6 Ave, N Y 11
De Bear Inc, 636 11 Ave, N Y 19
Desmo Chem Corp, 565 5 Ave, N Y 17
Fallek Products Co, 163 Broadway, N Y 6
Fine Chem Co, 156 E 42 St, N Y 17
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
C F Kirk Co, 521-523 W 23 St, N Y 11
Lannett Co, Frankford Ave & Allen St, Phila 25, Pa
Legion Chem, 70 Wall St, N Y 5
*Merck & Co, 100 Lincoln Ave, Rahway, N J
Mutchler Chem Co, 258 Broadway, N Y 7
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Schenley Labs, Lawrenceburg, Ind
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Scientific & Chem Industries Co, 225 W 86 St, N Y 1
Shepard Chem Corp, 117 Liberty St, N Y 6
John M H Shline Co, 342 Madison Ave, N Y 17
George Uhe Co, 76 9 Ave, N Y 14

PENTACHLORODIPHENYL OXIDE

*Dow Chem Co, Midland, Mich

PENTACHLOROETHANE

C_2HCl_5. Heavy, high-boiling liq. M.W. 202.3. Sp. gr. 1.685 (at 15°/4°C). Lbs. per gal. 14.1. B.P. 159.1°C. F.P. —22.0°C. Vap. Den. at 15°C. Lbs. per cu. ft. 0.535. Lat. Heat of Vap. B.t.u. per lb. 78.5. Sp. Heat of Liq. Cal./Kg./°C or B.t.u./lb. /°F. 0.266 at 20°C. Uses—sol. properties similar to tetrachlorethane, in coal mining for separation of coal from impurities.

*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del

PENTACHLOROPHENOL

C_6Cl_5OH. M.W. 266.36. White, crystalline solid. Sol. in alcohol and ether. Sp. gr. 1.978 at 22°C. M.P. 188-189°C. Uses—mfr. germicides, insecticides, and fungicides; mfr. wood preservatives.

Amsco Solvents & Chem Co, 4619 Reading Rd, Cincinnati 29, Ohio
Bartlett Chem, 1460 Peters St, New Orleans 13, La
*Chem Insecticide Corp, 57 13 St, Bklyn 15, N Y
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Dow Chem Co, Midland, Mich
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
*E & F King & Co, 640 Pleasant St, Norwood, Mass
*Livestock Chem Co, 3816 S Div Ave, Grand Rapids 8, Mich
George Mann & Co, 251 Fox Point Blvd, Providence, R I
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Nowlin Co, 1410 Throckmorton St, P O Box 1153, Fort Worth, Tex
Texas Solvents & Chem Co, 8501 Market St, Houston 5, Tex
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Thompson Horticultural Chem Corp, 2600 Monon St, Los Angeles 27, Cal
George Uhe Co, 76 9 Ave, N Y 14

PENTADECYL CARBINOL see Alcohol, Cetyl.

*Company classifies itself as manufacturer or producer of this product

SHEFFIELD

PEPTONES

Nutrients for Microorganisms
From Milk Protein Sources
• Casein
• Lactalbumin
Enzymatic and Acid-type Hydrolysates

SHEFFIELD FARMS CO., INC.
CHEMURGIC DIVISION, NORWICH, N. Y.

Greeff

PENTAERYTHRITOL

Exclusive Sales Agents for
Delaware Chemicals, Inc.

R. W. GREEFF & CO., INC.
10 ROCKEFELLER PLAZA, NEW YORK 20, N. Y. 2205 TRIBUNE TOWER, CHICAGO, ILLINOIS

Heyden

PENTEK®

(PENTAERYTHRITOL, TECHNICAL)

Irreplaceable in alkyds, rosin esters or drying oils for the production of superior protective coatings. Intermediate for plasticizers, emulsifiers, waxes, etc. Also:

DIPENTEK® (Dipentaerythritol, Tech.)
TRIPENTEK® (Tripentaerythritol, Tech.)
MONOPENTEK® (Monopentaerythritol)
PENTAERYTHRITOL, Purified (Nitration Grade)

M. D. A.® (Methylene Disalicylic Acid)
LIGNOCOL® (Anti-skinning agent)

FINE HEYDEN CHEMICALS

HEYDEN CHEMICAL CORPORATION
393 SEVENTH AVENUE • NEW YORK 1, N. Y.
CHICAGO • PHILADELPHIA • SAN FRANCISCO • DETROIT • PROVIDENCE

PENTAERYTHRITOL

$C(CH_2OH)_4$. White amorph. powd. Sp. gr. 1.35 (20° C). M.P. 260°C. B.P. 280°C at 30 mm. Hg. Sol. water; sl. sol. methanol; insol. carbon tetrachloride, ether. Uses—resin, mfr. explosives. Grades—tech. M.P. 220°C. C.P. 240°C.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
Chem Service Corp, 82 Beaver St, N Y 5
*Commercial Solvents Corp, 17 E 42 St, N Y 17
De Bear Inc, 636 11 Ave, N Y 19
R W Greeff & Co, 10 Rockfeller Plaza, N Y 20
*Hercules Powder Co, Wilmington, Del
*Heyden Chemical, Garfield, N J
Mutchler Chem Co, 258 Broadway, N Y 7
Philipp Bros Chem, 37 Wall St, N Y
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Trojan Powder Co, 17 N 7 St, Allentown, Pa
George Uhe Co, 76 9 Ave, N Y 14
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y

PENTAERYTHRITOL TETRA NITRATE (PETN)

$C(CH_2NO_3)_4$. M.W. 316. White cryst. Uses—explosive.

E I Du Pont de Nemours & Co, Explosives Dept, Chem & Misc Sales Section, Wilmington 98, Del
*Trojan Powder Co, 17 N 7 St, Allentown, Pa

PENTAGLYCERINE see Trimethylolethane

PENTAMETHYLENE AMINE see Piperidine

PENTAMETHYLENE DIBROMIDE (1,5-Dibromo-Pentane)

$CH_2Br(CH_2)_3CH_2Br$. M.W. 229.91. Colorless aromatic liq. M.P. —35°C. B.P. 224°C. Insol. water.

*Bios Labs, 17 W 60 St, N Y 23
*Halogen Chem, 1505 Charlton Dr, Columbia, S C
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Sapon Labs, 543 Union St, Bklyn, N Y

PENTAMETHYLENE TETRAZOLE

$C_6H_{10}N_4$. M.W. 138.11. White crystalline powd. Uses—in medicine as circulatory and respiratory stimulant.

American Roland Corp, 16 Hudson St, N Y
*Bilhuber-Knoll Corp, 377 Crane St, Orange, N J
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
McKesson & Robbins, 155 E 44 St, N Y 17
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*Polychem Co, 494 Hunts Point Ave, N Y 59
Sterone Corp, 250 W 57 St, N Y 19

PENTANE (Amylhydride)

C_5H_{12}. M.W. 72.12. Colorless liq. Commercial grade has a boiling range 30-40°C. Sp. gr. 0.631. Normal grade has a boiling range of 35-37°C. and sp. gr. .361. Uses—largely research and experimental work; in refrigerators; as an anaesthetic; filling thermometers; organic synthesis, solvents.

*American Mineral Spirits Co, 155 E 44 St, N Y 17
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

PENTANEDIOL

$C_5H_{10}(OH)_2$. M.W. 104. Solid. M.P. 45°C. B.P. 199°C. Sol. water. Uses—plasticizer and dispersant for casein, zein, gelatin compositions.

Halogen Chem, 1505 Charlton Dr, Columbia, S C

PENTANEDIONE-2,4 see Acetylacetone

PENTANETHIOL see Amyl Mercaptan

PENTANOL NORMAL BUTYL CARBINOL see Alcohol, n-Amyl

2-PENTANONE see Methyl Propyl Ketone

3-PENTANONE see Diethyl Ketone

PENTENE-1 (Propylethylene; a-n-Amylene)

$CH_3CH_2CH_2CH.CH_2$. M.W. 70.08. Colorless liq. M.P. —138°C. B.P. 40°C. Insol. water; sol. alcohol.

*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

PENTENE-2 (Sym-Methylethylethylene, b-n-Amylene)

$CH_3CH_2CH:CHCH_3$. M.W. 70.08 Colorless, inflammable liq. M.P. —139°C. B.P. 36.4°C. Insol. water; sol. alcohol.

*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

PENTYL ACETATE see Amyl Acetate

*Company classifies itself as manufacturer or producer of this product

PEPTONES see advertisements on page 378 and individual listings

PERBORAX see Sodium Perborate

PERBORIN see Sodium Perborate

PERCHLORATES

Industrial Raw Materials Corp, 575 Madison Ave, N Y 22
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

PERCHLORETHYLENE see Tetrachloroethylene

PERCHLORMETHANE see Carbon Tetrachloride

PERCHLOROETHANE see Hexachloroethane

PERCHLORPROPYLENE see Hexachloropropylene

PERFUME BASES

Semi-finished blends of aromatic chemicals and natural materials used by perfumers as a base for building up their own finished goods.

*American-British Chem Supplies, 180 Madison Ave, N Y
*Aromatic Products, 15 E 30 St, N Y
*Baker Castor Oil Co, 120 Broadway, N Y 5
*Phillip Chaleyer, 160 E 56 St, N Y 22
*Compagnie Parento, 68 Brook St, Croton-On-Hudson, N Y
*Dodge & Olcott, 180 Varick St, N Y 14
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Firmenich & Co, 250 W 18 St, N Y 11
Fleuroma Inc, 73 Sullivan St, N Y 12
*Florasynth Labs, 1513 Olmstead Ave, N Y 61

DEPENDABLE
Perfume
Bases
of constant QUALITY
ECONOMICALLY
produced

In Verona products you will find the proper equation of economy : quality. Verona's wide range of aromatics and continuing research development are at the command of the perfumer to create the results he desires.

Look to Verona for the purest in Aromatic Chemicals. Write for a list of products from our Research Laboratories.

VERONA
VERONA CHEMICAL COMPANY
26 VERONA AVE., NEWARK 4, N. J.

Van Ameringen-Haebler, inc.

PERFUMERS' RAW MATERIALS
•
SPECIALTIES
•
AROMATIC CHEMICALS
•
FINISHED OILS

The finest materials for every perfuming need.

van Ameringen Haebler, inc.
521 WEST 57th ST.
NEW YORK 19, N. Y.



All you need to remember...

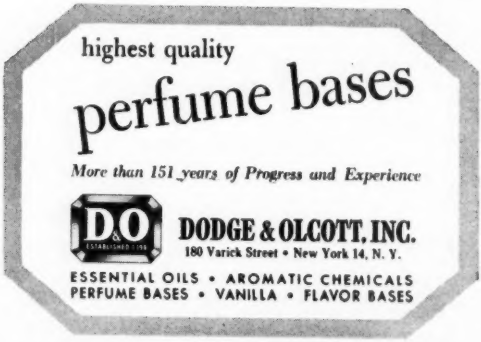
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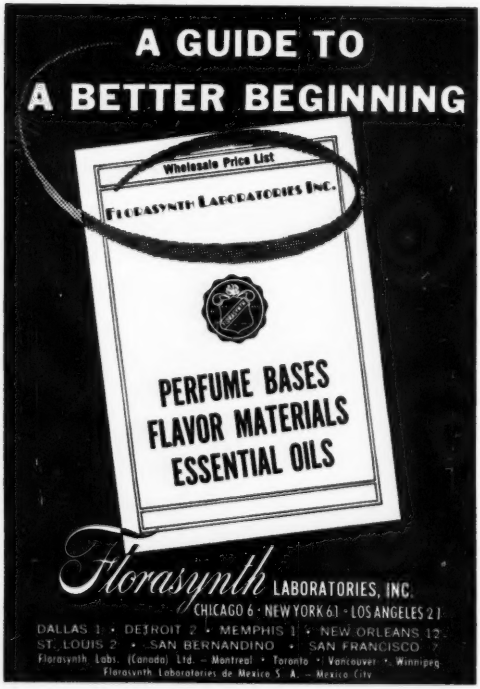
If you have a product, or plan a product, let Norda help you make it better. Norda knows what *you* need in Perfume Bases . . . for a good many years, has made good scents pay off. Call on us often . . . call on us now . . . write today . . . right away . . . for free samples, new catalogue.

Norda ESSENTIAL OIL AND CHEMICAL COMPANY, INC.
601 West 26th Street, New York 1, N. Y.
CHICAGO LOS ANGELES ST. PAUL MONTREAL
TORONTO HAVANA MEXICO CITY
LONDON PARIS

*Company classifies itself as manufacturer or producer of this product







PERFUME BASES, continued

*Forty-Four Trinity Pl Corp, 44 Trinity Pl, N Y 6
*Gunning & Gunning, 601 W 26 St, N Y 1
*Kay-Fries Chem, 180 Madison Ave, N Y 16
*E M Laning Co, 433 Stuyvesant Ave, Irvington 11, N J
*Naugatuck Aromatics, 254 4 Ave, N Y 10
*Naugatuck Chem, Naugatuck, Conn
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
*Noville Essential Oil Co, 127 Water St, N Y 5
*S B Penick & Co, 50 Church St, N Y 7
*John Powell & Co, 1 Park Ave, N Y 16
*Roure-DuPont, 366 Madison Ave, N Y 17
*H C Ryland, 161 Water St, N Y 38
*Schimmel & Co, 601 W 26 St, N Y 1
*Edwin Seebach Co, 912-920 Broadway, N Y 10
*Seeley & Co, 1 Main St, Nyack, N Y
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

PERFUMES, DISINFECTANTS

Special aromatic chemicals and essential oils added to disinfectants to improve the odor. See also Deodorants (various).

*Aromatic Products, 15 E 30 St, N Y
*Dodge & Olcott, 180 Varick St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Gunning & Gunning, 601 W 26 St, N Y 1
*E M Laning Co, 433 Stuyvesant Ave, Irvington 11, N J
*Naugatuck Aromatics, 254 4 Ave, N Y 10
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
*John Powell & Co, 1 Park Ave, N Y 16
*H C Ryland, 161 Water St, N Y 38
*Seeley & Co, 1 Main St, Nyack, N Y
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

PERFUMES, INSECTICIDE

Special aromatic chemicals and essential oils placed in household insecticides to disguise disagreeable odors and/or add a more pleasing smell. See also Perfumes, Fly-Spray; also Deodorants (various).

*Aromatic Products, 15 E 30 St, N Y
Chem Insecticide Corp, 57 13 St, Bklyn 15, N Y
*Dodge & Olcott, 180 Varick St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Gunning & Gunning, 601 W 26 St, N Y 1
*D W Hutchinson & Co, 162-164 Front St, N Y 38
*Naugatuck Aromatics, 254 4 Ave, N Y 10
*Noville Essential Oil Co, 127 Water St, N Y 5
*John Powell & Co, 1 Park Ave, N Y 16
*H C Ryland, 161 Water St, N Y 38
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

PERFUMES, PAINTS

Preps. added to paints to disguise the odor of fresh paint and adding a distinct selling appeal to products so treated. See also Deodorants, Paints.

*Aromatic Products, 15 E 30 St, N Y
*Dodge & Olcott, 180 Varick St, N Y 14
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*E M Laning Co, 433 Stuyvesant Ave, Irvington 11, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Naugatuck Chem, Naugatuck, Conn
*Perry Bros, 220 Flushing Ave, Bklyn 5, N Y
*Sindar Corp, 330 W 42 St, N Y 18
*Verona Chem Co, 26 Verona Ave, Newark, N J

PERFUMES, RUBBER

Products incorporated in rubber goods designed for consumer use to eliminate the characteristic odor of new rubber and adding instead a pleasing smell that assists consumer appeal.

*Aromatic Products, 15 E 30 St, N Y
*Dodge & Olcott, 180 Varick St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Naugatuck Aromatics, 254 4 Ave, N Y 10
*Naugatuck Chem, Naugatuck, Conn
*Noville Essential Oil Co, 127 Water St, N Y 5
*Perry Bros, 220 Flushing Ave, Bklyn 5, N Y
*Sindar Corp, 330 W 42 St, N Y 18

PERFUMES, SOAP

Perfumes used to mask the distinctive odor of fats, and also to give a pleasing smell. Every soap, even the cheapest type of laundry soap, is perfumed. Important factors

*Company classifies itself as manufacturer or producer of this product

Since 1885 Blenders of Fine

PERFUME BASES

and Perfumers' Materials for Colognes, Soaps and Cosmetics

Branches in: Chicago, San Francisco, Montreal
Representatives in: Philadelphia, Waukesha, Wisc.
Los Angeles - Toronto - Winnipeg

GEORGE LUEDERS & COMPANY
427-429 Washington Street
New York 13, N. Y.

GIVAUDAN

provides you with a reliable source of supply for

PERFUME BASES

for

Extracts—Cosmetics
Soaps—Aerosols—Insecticides

Givaudan-Delawanna, Inc.
330 West 42nd Street • New York 18, N. Y.



Van Ameringen-Haebler, inc.

Odor masks and perfumes individually designed for your particular product.

PERFUMERS' RAW MATERIALS

•

ESSENTIAL OILS

•

AROMATIC CHEMICALS

van Ameringen Haebler, inc.
521 WEST 57th ST.
NEW YORK 19, N. Y.

---

*Company classifies itself as manufacturer or producer of this product

ROURE-DUPONT INC. 366 Madison Ave. New York 17, N. Y.

Chicago Branch
510 No. Dearborn St.

Los Angeles Branch
5517 Sunset Blvd., Hollywood

PERFUME BASES

Sole Agents for Roure Bertrand Fils & Justin Dupont, Grasse, France

Tombarel

BASIC PERFUME MATERIALS
PERFUME COMPOUNDS
SPECIAL PERFUME CREATIONS
FOR ALL PURPOSES

TOMBAREL
PRODUCTS CORPORATION
NEW YORK

ORGANIC PEROXIDES

LUCIDOL* BENZOYL PEROXIDE

ALPEROX* C
(Technical Lauroyl Peroxide)

LUPERSOL* DDM
(60% methyl ethyl ketone peroxide in dimethyl phthalate)

t-BUTYL HYDROPEROXIDE

DI-t-BUTYL PEROXIDE

SPECIAL ORGANIC PEROXIDES

*REGISTERED TRADEMARK

TRADE MARK

LUCIDOL DIVISION
NOVADEL-AGENE CORPORATION
BUFFALO 5, NEW YORK

PERFUMES, SOAP, continued

in soap perfumes are: first, cost, and second, the evaporation of perfumes so that high boiling point essential oils or synthetic aromatics, especially in soaps where the perfume is added to the soap mass while it is still molten must be used. Where the perfume of essential oils would disappear on account of their low boiling point, the use of high boiling point synthetics retains the desired perfume odor. The perfumes must not discolor the soap.

*Aromatic Products, 15 E 30 St, N Y
*Phillip Chaleyer, 160 E 56 St, N Y 22
*Compagnie Parento, 68 Brook St, Croton-On-Hudson, N Y
*Dodge & Olcott, 180 Varick St, N Y 14
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
Fleuroma Inc, 73 Sullivan St, N Y 12
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Gunning & Gunning, 601 W 26 St, N Y 1
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Lautier Fils, 321 5 Ave, N Y 16
*Naugatuck Aromatics, 254 4 Ave, N Y 10
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
*Noville Essential Oil Co, 127 Water St, N Y 5
*Perry Bros, 220 Flushing Ave, Bklyn 5, N Y
*Roure-DuPont, 366 Madison Ave, N Y 17
H C Ryland, 161 Water St, N Y 38
*Schimmel & Co, 601 W 26 St, N Y 1
*Edwin Seebach Co, 912-920 Broadway, N Y 10
*Tennessee Eastman Co, 10 E 40 St, N Y 16
*Verona Chem Co, 26 Verona Ave, Newark, N J

PERFUMES, TEXTILE

Products used to treat silk, wool, rayon, cotton, and other fabrics to impart a more pleasing smell and to increase consumer appeal through the olfactory sense.

*Aromatic Products, 15 E 30 St, N Y
*Dodge & Olcott, 180 Varick St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Naugatuck Aromatics, 254 4 Ave, N Y 10
*Sindar Corp, 330 W 42 St, N Y 18
*Verona Chem Co, 26 Verona Ave, Newark, N J

PERHYDROL PEROXIDE see Hydrogen Peroxide

PERICLASITE see Magnesium Oxide

PERIODATES

*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

PERMANENT WHITE see Blanc Fixe

PEROXIDES, ORGANIC

Lucidol Div, Novadel-Agene Corp, Buffalo 5, N Y

PEROXYDOL see Sodium Perborate

PERSULFATE OF IRON see Ferric Sulfate

PETROLATUM (Petroleum Jelly, Mineral Fat, Petroleum Ointment, Cosmoline, Saxoline, Fossolin, Adeps Mineralis)

Light yellow to amber, semi-solid amorp. Sp. gr. 0.820-0.850. M.P. 45-48°C. Sol. chloroform, ether, benzine, carbon disulfide, benzene, oils; very sl. sol. water, alcohol. Uses—mfr. lubricating compositions, shoe and metal polishes, leather greases, soaps, rust preventative coatings, pharmaceutical salves and ointments, perfume preps., pomades, cosmetic creams; in printing trade; modeling clay; in medicine. Grades—U.S.P.; snow white; lily white; cream white; extra amber; light amber; dark amber; green; petrolatum liq.; natural; artificial. See Oil, Mineral.

Allied Wax & Oil Products Corp, 145 Nassau St, N Y 7
Bergstrom Trading Co, 233 Broadway, N Y
Chem Mfg Co, 21 West St, N Y
*Chesebrough Mfg Co, 17 State St, N Y 4
Harry Cohen, 982 Virginia Ave N E, Atlanta 6, Ga
Cole & De Graf, 417 Market St, San Francisco 5, Cal
*Deep Rock Oil Corp, 624 S Mich, Chicago 5, Ill
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*S P Drummond, 67 Wall St, N Y
Fallek Products Co, 163 Broadway, N Y 6
Frank G Fanning, 50 E 42 St, N Y 17
*Freedom-Valvoline Oil Co, 309 6 Ave, Freedom, Pa
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis, Minn
*Kendall Refining Co, 77 N Kendall Ave, Bradford, Pa
McKesson & Robbins, 155 E 44 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
Nardini Co, 15 Moore St, N Y 4
National Wax Co, 1300 W Div St, Chicago 22, Ill
Pacific Wax Refining Co, 64 Pine St, San Francisco 11, Cal

*Company classifies itself as manufacturer or producer of this product

PETROLATUM, continued

M W Parsons-Plymouth, 59 Beekman St, N Y 38
*Pennsylvania Refining Co, Butler, Pa
Petroleum Specialties, 205 E 42 St, N Y 7
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Shapiro & Novick, 60 Broad St, N Y 4
*Sherwood Refining Co, 1 W Forest Ave, Englewood, N J
George Uhe Co, 76 9 Ave, N Y 14
*Warwick Chem Co Div, Wood River Junction, R I
West Co, 132 Library St, Chelsea 59, Mass

PETROLENE see Asphaltum

PETROLEUM ASPHALT see Asphaltum

PETROLEUM JELLY see Petrolatum

PETROLEUM NAPHTHA see Benzine

PETROLEUM OINTMENT see Petrolatum

PHENACETIN see Acetophenetidin

PHENACYL CHLORIDE see Chloroacetophenone

PHENANTHRENE (Phenanthrin, o-Diphenylene-Ethylene)

$(C_6H_4CH)_2$. Colorless small cryst. Sp. gr. 1.025. M.P. 99.6°C. B.P. 340°C. Sol. hot alcohol, ether, benzene, carbon disulfide, acetic acid; insol. water. Uses—mfr. dyestuffs, nitroglycerin explosive compositions, pharmaceuticals; stabilizer in nitrocellulose explosives; in medicine. Grades—tech.

*Bios Labs, 17 W 60 St, N Y 23
Reinhart Chem Corp, 405 Lexington Ave, N Y 17

PHENANTHRIN see Phenanthrene

1,10-o-PHENANTHROLINE

$C_{12}H_8N_2 \cdot H_2O$. M.W. 198. White crystalline material. L. sol. alcohol, ether. Uses—oxidation-reduction indicator; colorimetric determination of iron.

*Bios Labs, 17 W 60 St, N Y 23
City Chem Corp, 132 W 22 St, N Y 11
Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

PHENAZONE see Antipyrine Salicylate

o-PHENETIDINE

$C_8H_{11}NO$. M.W. 137. Dark red liq. Dist. Range 230.5°C. to 233.5°C. Wt. per gal. 8½ lbs. approx. Uses—mfr. Phenetole Red and other dyes and dry colors; for mfr. of a red lake coupled with Beta-naphthol. Ship. Class.—dye intermediate.

*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo

p-PHENETIDINE

$C_8H_{11}ON$. M.W. 137.09. Colorless solid. Sp. gr. 1.0613 (15°C). M.P. 2.4°C. B.P. 254.2°C. Sol. water, alcohol, ether. Uses—mfr. dyestuffs, pharmaceuticals, dulcin, phenacetin, phenosal; in medicine. Grades—tech. (98%).

Bendix Chem Corp, 420 Lexington Ave, N Y
*Dow Chem Co, Midland, Mich
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Republic Chem Corp, 94 Beekman St, N Y 38

PHENETOLE (Phenyl Ethyl Ether)

$C_6H_5OC_2H_5$. M.W. 122.16. Colorless liq. B.P. 172°C. Sp. gr. 0.967 at 20/4°C. Insol. water; sol. in alcohol and ether.

Republic Chem Corp, 94 Beekman St, N Y 38

PHENOBARBITAL (Phenylethylbarbituric Acid)

M.W. 232.11. M.P. 173-177°C. White, glistening, small crysts. or white, crystalline powd. Odorless. Stable in air. Sol. alcohol; sl. sol. water. Uses—medicinal.

*American-British Chem Supplies, 180 Madison Ave, N Y
American Roland Corp, 16 Hudson St, N Y
J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 8 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Benzol Products Co, 237 South St, Newark 25, N J
*F L Bodman, 328 Chestnut St, Phila 6, Pa
*Edward S Burke, 65 Pine St, N Y
Chematar Inc, Exchange Pl, N Y 5
*Desmo Chem Corp, 565 5 Ave, N Y 17
European Chem Co, 366 Broadway, N Y 13
Fallek Products Co, 163 Broadway, N Y 6
Fellows Medical Mfg Co, 26 Christopher St, N Y 14
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Gane's Chem Works, 677 5 Ave, N Y 22

Fine Chemicals — BPC

PHENOBARBITAL
PENTOBARBITAL

BENZOL PRODUCTS CO.
237 SOUTH STREET NEWARK 5, N. J.

PHENOBARBITAL, continued

*Gane & Ingram, 43 W 16 St, N Y 11
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
*Kay-Fries Chem, 180 Madison Ave, N Y 16
Legion Chem, 70 Wall St, N Y 5
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
Mutchler Chem Co, 258 Broadway, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Prentiss Drug & Chem Co, 110 William St, N Y 38
Reilly Tar & Chem Corp, 1615 Merchant Bank Bldg, Indianapolis 4, Ind
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Shepard Chem Corp, 117 Liberty St, N Y 6
Sterone Corp, 250 W 57 St, N Y 19
George Uhe Co, 76 9 Ave, N Y 14

PHENOL (Hydroxybenzene, Acid, Phenic, Acid, Phenylic, Phenyl Hydrate, Phenylhydroxide, Phenylic Alcohol)—see also Acid, Carbolic, Crystals

C_6H_5OH. White cryst. Sp. gr. 1.072 (20°C). M.P. 42.5-43°C. B.P. 183°C. Sol. alcohol, ether, water, carbon disulfide, petroleum, fixed or volatile oils, chloroform, glycerine, alkalies. Uses—mfr. intermediates, organic chemicals, synth. drugs, dyes and perfumes, phenolates, phenates, salicylic acid, phenacetin, formaldehyde, diphenyloxide, para-aminophenol, hydroquinone, chloranil, picric acid, nitrated phenol explosives, salol, phenolphthalein, phenyl esters, mercury derivatives, azidine green, aurin, brilliant yellow, diazin black and numerous other dyes, germicidal compositions, antiseptic cleansing preperations, artificial tannins, synth. resins by condensation with formaldehyde, coumarine, anisaldehyde and other synth. perfumes, paints, varnishes, paint and varnish removers, phonograph records, synth. insulating materials, photographic developers, plastic compositions, synth. rubber, disinfectant soaps, detergents; as general preservative and disinfectant; developing agent in dyeing and printing textiles; preservative for glues and adhesives; camphor substitute in celluloid; removing ink from old newspapers; in medicine; in brewing. Grades—crude; C.P.; fused; cryst.; synth.; liq.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
J M Baird Co, 147 Nassau St, N Y

afc

PHENOL

U.S.P. • Tech. • Crude

CRESOL

NAPHTHALENE

PYRIDINE

Coal Tar Chemicals

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Pigments • Solvents

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MU-3-3203

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PHENOBARBITAL U. S. P.

BARBITAL U.S.P.
PENTOBARBITAL U. S. P.
AMINOPHYLLINE U.S.P.
THEOPHYLLINE U.S.P.

Phone: WA 4-9404

GANE & INGRAM, INC.
Manufacturing Chemists
43 West 16 Street, New York 11, N. Y.

*Company classifies itself as manufacturer or producer of this product

PHENOL

1. Aniline
2. Bisphenol A
3. p-tert-Butylphenol
4. p-Chlorophenol
5. o-Chlorophenol

DOW PRODUCES MORE THAN 600 CHEMICAL PRODUCTS.

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MIDLAND • MICHIGAN

Dow

SALES OFFICES:

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U·S·S Phenol

Resin Grades—82% and 90%

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COAL CHEMICALS

UNITED STATES STEEL

MONSANTO
PHENOL, U.S.P.

Standard Forms: Crystalline solid, U.S.P. or liquid.

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division
St. Louis 4, Mo.

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MONSANTO
CHEMICALS – PLASTICS

INDUSTRIAL CHEMICALS

Phenol, Sodium Sulfite, Sodium Sulfate, Maleic Anhydride, Phthalic Anhydride, Glycerine

REICHHOLD CHEMICALS, INC.
DETROIT, MICHIGAN

RCI

Brooklyn, N. Y. Elizabeth, N. J. Tuscaloosa, Ala.
Seattle, Wash. So. San Francisco and Azusa, Calif. Chicago, Ill.

PHENOL, continued

J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
F M Browning Co, 150 Broadway, N Y 38
*Calco Chem Div, Bound Brook, N J
Chematar Inc, Exchange Pl, N Y 5
Chem Mfg Co, 21 West St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
Coaltar Chem Corp, 420 Lexington Ave, N Y 17
Cole Labs, 42-25 9 St, L I C 1, N Y
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
De Bear Inc, 636 11 Ave, N Y 19
Desmo Chem Corp, 565 5 Ave, N Y 17
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Dow Chem Co, Midland, Mich
Elbert & Co, 2 Broadway, N Y
European Chem Co, 366 Broadway, N Y 13
Fallek Products Co, 163 Broadway, N Y 6
Farber Products Co, 226 Lafayette St, N Y 12
Fine Chem Co, 156 E 42 St, N Y 17
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Interocean Chem & Minerals Corp, 120 Broadway, N Y 5
Kingston Chem Co, 15 William St, N Y 5
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Legion Chem, 70 Wall St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Chas Page & Co, 50 E 42 St, N Y 17
Philipp Bros Chem, 37 Wall St, N Y
Plastichemicals Co, 1 Beekman St, N Y 38
Prentiss Drug & Chem Co, 110 William St, N Y 38
*Productol Co, 417 S Hill St, Los Angeles 13, Cal
Products Trading Corp, 1755 Broadway, N Y 19
*Reichold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
Reinhart Chem Corp, 405 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Riverside Chem Co, 871 River Rd, N Tonawanda, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Shepard Chem Corp, 117 Liberty St, N Y 6
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

PHENOL USP

CRESOLS

PLASTICIZERS

NAPHTHALENE

•

CHEMATAR, INC.
40 Exchange Place
New York 5, N. Y.

Telephone: HAnover 2-0364
Cable Address: TARACHEM

*Company classifies itself as manufacturer or producer of this product

PHENOL, continued

E Sonnenschein & Co, 276 5 Ave, N Y 1
George Uhe Co, 76 9 Ave, N Y 14
*U S Steel Corp, Coal Chem Sales Div, 525 Wm Penn Pl, Pittsburgh 30, Pa
United Sterling Corp, 37 E 28 St, N Y

PHENOL BROMIDE see Bromobenzene

PHENOLAX see Phenolphthalein

1,2 PHENOLMETHYLOL see Saligenin

PHENOLPHTHALEIN (Dioxytriphenylphthalide, p-Phthalein, Dihydroxyphthalophenone, Dioxytriphenylcarbinol, Carboxylic Acid Anhydride, Phenolax)

$C_{20}H_{14}O_4$. White or yellowish-white odorless powd. Sp. gr. 1.2765 (32°C). M.P. 260-261°C. Sol. alcohol, ether, alkalies. Uses—mfr. dyestuffs; laboratory reagent; in medicine. Grades—U.S.P.; pure reagent; tech.

J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
Conray Products, 510 6 Ave, N Y 11
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Gane & Ingram, 43 W 16 St, N Y 11
Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa
Chas L Hulsking & Co, 45 Clinton St, Bklyn 5, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
George Uhe Co, 76 9 Ave, N Y 14

PHENOL RED (Phenol-Sulfonphthalein)

$C_{19}H_{14}O_5S$. M.W. 354.4. Red crystalline powd. Uses—pH indicator - pH range 6.8 (yellow) to 8.4 (red).

*Edward S Burke, 65 Pine St, N Y
*Eastern Chem Corp, 34 Spring St, Newark 2, N Y
*Fine Organics, 211 E 19 St, N Y 3
*Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa
*LaMotte Chem Products Co, Towson 4, Md
*National Aniline Div, 40 Rector St, N Y 6

PHENOL-SULFONPHTHALEIN see Phenol Red

PHENOLTRINITRATE see Acid, Picric

PHENOQUIN see Cinchophen

PHENOTHIAZINE (Thiodiphenylamine)

$C_{12}H_9NS$. M.W. 199.26. Yellow leaflets, or cryst. M.P. 180°C. Sublimes at 371°C. Insol. in water; sol. in benzene; sl. sol. in alcohol and ether.

*American Agricultural Chem Co, 50 Church St, N Y 7
American Roland Corp, 16 Hudson St, N Y
*Atomic Basic Chem Corp, Hays P O Box 373, Pittsburgh, Pa
J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
*Calco Chem Div, Bound Brook, N J
Conray Products, 510 6 Ave, N Y 11
Frank G Fanning, 50 E 42 St, N Y 17
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Livestock Chem Co, 3816 S Div Ave, Grand Rapids 8, Mich
McKesson & Robbins, 155 E 44 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Southside Chem Co, 139 Monroe St, Petersburg, Va
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

PHENYL ACETALDEHYDE

C_8H_8O. M.W. 120.1. A colorless liq. B.P. 205° C. Sl. sol. water; sol. alcohol or ether. Uses—in perfumery for its hyacinth-like odor.

*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Geo Lueders & Co, 427 Washington St, N Y 13
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

MONSANTO
PHENOLPHTHALEIN, U.S.P.

Supplied as a white powder; m.p. 259.0° C. min.; solubility in alcohol (1:15), complete; acidity (cc's N/1000 NaOH/2 gm. sample), 3.0 cc. max.; ash 0.05% max.; arsenic 0.001% max.; conforms to U.S.P. test for fluorane and heavy metals; trace max. retained on 100 mesh; 15.0% max. on 325 mesh.

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division
St. Louis 4, Mo.

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MONSANTO
CHEMICALS—PLASTICS



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PHENOL
TECHNICAL

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147 NASSAU STREET, NEW YORK 38, N. Y. WOrth 4-0952

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Cresylic Acids • Xylenols
Special Tar Acids • Tar Acid Oils

THE BARRETT DIVISION
Allied Chemical & Dye Corporation
40 Rector St., New York 6, N. Y.

Barrett®
*Reg. U.S. Pat. Off.

PHENOL

ALL GRADES AND OTHER COAL TAR PRODUCTS

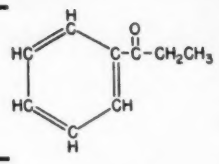
REPUBLIC CHEMICAL CORP.
94 Beekman Street, New York 38
Cable Address: Jaynivrad

*Company classifies itself as manufacturer or producer of this product

KOPPERS

PROPIOPHENONE

(phenyl ethyl ketone)



KOPPERS COMPANY, INC.
Chemical Division
PITTSBURGH 19, PA.

USES: In the production of pharmaceuticals and dyestuffs, and as a perfume fixative.

PHENYL ACETALDEHYDE DIMETHYL ACETAL

*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

PHENYL ACETAMIDE (α-Toluamide)

$C_6H_5\text{-}CH_2\text{-}CONH_2$. M.W. 135.16. White crystalline powd. M.P. 158.5°C. Sl. sol. water; very sol. alcohol. Uses—precursor for penicillin.

*American-British Chem Supplies, 180 Madison Ave, N Y
Benzol Products Co, 237 South St, Newark 25, N J
*F L Bodman, 328 Chestnut St, Phila 6, Pa
*Edward S Burke, 65 Pine St, N Y
*Gane & Ingram, 43 W 16 St, N Y 11
*Kay-Fries Chem, 180 Madison Ave, N Y 16
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Trubek Labs, State Hway Rt 17, E Rutherford, N J

PHENYL ACETATE (Acetylphenol)

$CH_3COOC_6H_5$. M.W. 136. Clear, colorless liq. with a rather pleasant odor. Sp. gr. 1.08 at 15/15°C. Wt. per gal., 9.0 lbs. at 15°C. B.P. 196°C. Miscible with most organic solvents; practically insol. in water. Uses—as a solvent; in organic syntheses.

*Dow Chem Co, Midland, Mich

PHENYL ACETONE

*Metropolitan Chem Co, 17 W 60 St, N Y 23
*Trubek Labs, State Hway Rt 17, E Rutherford, N J
*Tru-Synthetics, 44-30 Purvis St, L I C 1, N Y
*Verona Chem Co, 26 Verona Ave, Newark, N J

PHENYL ACETONITRILE see Benzyl Cyanide

PHENYL ACETYLENE

C_6H_5CCH. M.W. 102.1. Water-white liq. Uses—mfr. pharmaceuticals, perfume bases, plastics and gen. organ. synth. L. B.P. 142-3°C. Insol. water; sol. alcohol, ether.

*Farchan Research Labs, 609 E 127 St, Cleveland 8, Ohio

PHENYL ALANINE

$C_6H_5CH_2CH(NH_2)COOH$. M.W. 165.2. Natural isomer: colorless leaflets. Uses—biochemical investigations, microbiological tests.

PHENYL ALANINE, continued

*Bios Labs, 17 W 60 St, N W 23
Conray Products, 510 6 Ave, N Y 11
*Dow Chem Co, Midland, Mich
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y
*Winthrop-Stearns, 1450 Broadway, N Y 18

PHENYLAMINE see Aniline

PHENYLANILINE see Diphenyl Amine

PHENYL BENZENE see Diphenyl

PHENYL CARBINOL see Alcohol, Benzyl

PHENYLCHLOROFORM see Benzotrichloride

PHENYL CYANIDE see Benzonitrile

PHENYL DIETHANOLAMINE

$C_6H_5N(CH_2CH_2CH_2OH)_2$. M.W. 181.22. White solid, melting at 53-56°C. Very sl. sol. in water. Uses—intermediate in mfr. azo dyestuffs and other industrial organic chemicals.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Tennessee Eastman Co, 10 E 40 St, N Y 18

o-PHENYLENE DIAMINE

Edwal Labs, Ringwood, Ill

1-PHENYLETHANOL see Methyl Phenyl Carbinol

2-PHENYLETHANOL see Alcohol, Phenyl Ethyl

PHENYL ETHANOLAMINE

$C_6H_5NH(CH_2CH_2OH)$. M.W. 137.18. liq., of B.R. 280-290°C. Sl. sol. in water. Sp. gr. 1.094-1.099 at 20/20°C. Wt. per gal., 9.1 lbs. at 20°C. Uses—intermediate in mfr. azo dyestuffs and other industrial organic chemicals.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

PHENYL ETHYL ACETATE

$C_6H_5CH_2COOC_2H_5$. M.W. 164.20. Colorless liq. peach odor. Sp. gr. 1.081. B.P. 226°C. Sol. alcohol, ether; insol. water. Uses—perfumery. Shipping regulations—none.

*American-British Chem Supplies, 180 Madison Ave, N Y
Dodge & Olcott, 180 Varick St, N Y 14
*Dow Chem Co, Midland, Mich
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Kay-Fries Chem, 180 Madison Ave, N Y 16
Geo Lueders & Co, 427 Washington St, N Y 13
*Maywood Chem Works, Maywood, N J

PHENYL ETHYLAMINE

$C_8H_{11}N$. M.W. 121.1. A secondary amine, formed from amino acids.

*Edward S Burke, 65 Pine St, N Y
*Gane & Ingram, 43 W 16 St, N Y 11
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis, Mo
*Trubek Labs, State Hway Rt, 17, E Rutherford, N J

PHENYL ETHYL FORMATE

Dodge & Olcott, 180 Varick St, N Y 14
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Maywood Chem Works, Maywood, N J
*Verona Chem Co, 26 Verona Ave, Newark, N J

PHENYL ETHYL KETONE (Propiophenone)

$C_6H_5COCH_2CH_3$. M.W. 134.54. Clear liq.; strong pleasant odor. Uses—mfr. of pharmaceuticals and dyestuffs; as a perfume fixative.

Faesy & Besthoff, 325 Spring St, N Y 13
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Trubek Labs, Hway Rt 17, E Rutherford, N J
*Verona Chem Co, 26 Verona Ave, Newark N J

PHENYL ETHYL PROPIONATE

Dodge & Olcott, 180 Varick St, N Y 14
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Maywood Chem Works, Maywood, N J
*Verona Chem Co, 26 Verona Ave, Newark, N J

PHENYL ETHYLENE GLYCOL

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich

PHENYL FLUOROFORM see Benzotrifluoride

PHENYL GLYCINE, POTASSIUM SALT (Potassium Aminoacetate)

$C_6H_5NHCH_2COOK$. M.W. 189.2. Grayish-white, odorless powd. M.P. 300°C. Sol. in water; sl. sol. in alcohol; insol. in carbon tetrachloride. Uses—intermediate in organic synthesis; mfr. of pharmaceuticals.

*Dow Chem Co, Midland, Mich

PHENYL HYDRATE see Phenol

PHENYLHYDRAZINE (Hydrazobenzene)

$C_6H_5.NH.NH_2$. M.W. 108.08. Yellowish to reddish-brown liq. Sp. gr. 1.091 (15°C). M.P. 19.6°C. B.P. 243.5°C. Sol. alcohol, ether; very sl. sol. water. Uses—mfr. dyestuffs, intermediates, pharmaceutical chemicals; reducing agent; metallizing mirrors; laboratory reagent. Grades—commercial; C.P.; reagent.

Amend Drug & Chem Corp, 117-119 E 24 St, N Y
J T Baker Chem Co, Phillipsburg, N J
*Distillation Products Industries, Rochester 3, N Y
*Dow Chem Co, Midland, Mich
*Metropolitan Chem Co, 17 W 60 St, N Y 23
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

PHENYLHYDRAZINE HYDROCHLORIDE

$C_6H_8N_2.HCl$. Colorless, crystalline scales. M.P. 243° C. Sublimes on heating. Sol. water, alcohol, ether. Uses—mfr. dyestuffs, intermediates, organic chemicals, pharmaceuticals; in sugar analysis. Dangerous to skin. Grades—tech.; C.P.

Amend Drug & Chem Corp, 117-119 E 24 St, N Y
J T Baker Chem Co, Phillipsburg, N J

PHENYL HYDRIDE see Benzol

PHENYLHYDROXIDE see Phenol

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HAthorne 7-6000 **PEnn 6-2626**

*Company classifies itself as manufacturer or producer of this product

PHENYL METHYL PYRAZOLONE

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•

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1450 BROADWAY, NEW YORK 18, N. Y.

PHENYL MERCURIC ACETATE

$C_6H_5HgOCOCH_3$. M.W. 336.67. White powd. Sol. water. Uses—powerful germicide, fungicide.

Antara Products Div, 435 Hudson St, N Y 14
Bendix Chem Corp, 420 Lexington Ave, N Y
*F W Berk & Co, 55 New Montgomery St, San Francisco, Cal
*Buckman Labs, Memphis, Tenn
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
Edwal Labs, Ringwood, Ill
*Hamilton Labs, 120 Patton Ave, Ashville, N C
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Wm M Stieh & Co, 20 Vesey St, N Y 7

PHENYL MERCURIC BENZOATE

$C_6H_5HgOCOC_6H_5$. M.W. 398.82. White powd. Uses—powerful germicide, fungicide.

*F W Berk & Co, 55 New Montgomery St, San Francisco, Cal
Edwal Labs, Ringwood, Ill
*Hamilton Labs, 120 Patton Ave, Ashville, N C
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17

PHENYL MERCURIC o-BENZOIC SULFIMIDE

De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
Edwal Labs, Ringwood, Ill
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J

PHENYL MERCURIC BORATE

$C_6H_5HgBO_3H_2$. White cryst. Uses—as an intermediate in the mfr. of bacteriocides.

American Roland Corp, 16 Hudson St, N Y
Edwal Labs, Ringwood, Ill
*Hamilton Labs, 120 Patton Ave, Ashville, N C
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*Metropolitan Chem Co, 17 W 60 St, N Y 23
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17

PHENYL MERCURIC CHLORIDE

C_6H_5HgCl. White satiny crystals. M.W. 313.17. M.P. 252° C. Intermediate in the mfr. of bacteriocides.

Bendix Chem Corp, 420 Lexington Ave, N Y
Edwal Labs, Ringwood, Ill
*Hamilton Labs, 120 Patton Ave, Ashville, N C
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*Metropolitan Chem Co, 17 W 60 St, N Y 23
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Wm M Stieh & Co, 20 Vesey St, N Y 7

PHENYL MERCURIC GLUCONATE

$C_6H_5HgOCO(CHOH)_4CH_2OH$. M.W. 472.78. White powd. Uses—germicide, fungicide.

*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J

PHENYL MERCURIC HYDROXIDE

C_6H_5HgOH. M.W. 294.72. White powd. Sol. water. Uses—powerful germicide, fungicide.

*Bios Labs, 17 W 60 St, N Y 23
Edwal Labs, Ringwood, Ill
*Hamilton Labs, 120 Patton Ave, Ashville, N C
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Wm M Stieh & Co, 20 Vesey St, N Y 7

PHENYL MERCURIC NAPHTHENATE

Antara Products Div, 435 Hudson St, N Y 14
Edwal Labs, Ringwood, Ill
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J

PHENYL MERCURIC PICRATE

$C_6H_5HgOC_6H_2(NO_2)_3$. White cryst. Uses—in the mfr. of bacteriocides.

*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J

PHENYL MERCURIC STEARATE

Edwal Labs, Ringwood, Ill
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J

PHENYL MERCURY NITRATE

$C_6H_5HgNO_3$. M.P. approx. 180°C. Uses—as a bactericide and fungicide. Apparently non-toxic to animals or animal tissue.

American Roland Corp, 16 Hudson St, N Y
Edwal Labs, Ringwood, Ill
*Hamilton Labs, 120 Patton Ave, Ashville, N C
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Wm M Stieh & Co, 20 Vesey St, N Y 7

PHENYL MERCURY PHTHALATE

Edwal Labs, Ringwood, Ill
*Metalsalts Corp, 200 Wargaraw Rd, Hawthorne, N J

PHENYLMETHANE see Toluol

PHENYLMETHYLKETONE see Acetophenone

PHENYL METHYL PYRAZOLONE (1-Phenyl-3-Methyl-5-Pyrazolone)

$C_{10}H_{10}N_2O$. M.W. 174.1. White powd. Sol. alcohol, alkali, acids; insol. water. M.P. 127.0 to 128.0°C. Uses—as a dye intermediate; mfr. pharmaceuticals.

Antara Products Div, 435 Hudson St, N Y 14
Bendix Chem Corp, 420 Lexington Ave, N Y
*Ciba Co, 627 Greenwich St, N Y 14
Conray Products, 510 6 Ave, N Y 11
*Dow Chem Co, Midland, Mich
Fallek Products Co, 163 Broadway, N Y 6
*Winthrop-Stearns, 1450 Broadway, N Y 18

2-PHENYL-6-METHYL-QUINOLINE-4-CARBOXYLIC ACID ETHYL ESTER see Neocinchophen

PHENYL MORPHOLINE

$C_6H_5NCH_2CH_2OCH_2CH_2$. M.W. 163.11. M.P. 57°C. B.P. 267°C. White, crystalline solid. Uses—in mfr. of dyestuffs, pharmaceuticals, germicides, corrosion inhibitors, emulsifying agents, synth. resin chemicals, and rubber.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

o-PHENYLPHENOL

o—$C_6H_5.C_6H_4OH$. M.W. 170.1. White or light buff to pink, free-flowing flakes with a mild characteristic odor. B.P. 284°C. Sol. in sodium hydroxide solutions and most organic solvents; insol. water. Uses—as a germicide, fungicide; in the rubber industry.

*Dow Chem Co, Midland, Mich
George Mann & Co, 251 Fox Point Blvd, Providence, R I
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo

p-PHENYLPHENOL

p—$C_6H_5.C_6H_4OH$. M.W. 170. White solid. M.P. 165°C. B.P. 308°C. Sol. in sodium hydroxide solutions; most organic solvents; insol. water. Uses—as an intermediate in the mfr. of resins; in the rubber industry.

*Dow Chem Co, Midland, Mich

Quality Fine Chemicals

o-Phenylenediamine

Photographic developing agent
Organic intermediate

Phloroglucinol

Developer acetate black dyes, diazo process black line papers, resin intermediate

The Edwal Laboratories, Inc., manufacture commercial quantities of high purity organic chemicals for use as intermediates, process raw materials and formula ingredients for the chemical, pharmaceutical, and photographic reproduction industries.

Edwal also offers facilities for the confidential manufacture of pilot plant and commercial quantities of fine chemicals and formulations on contract.

EDWAL

EDWAL LABORATORIES, INC.

Manufacturers of Quality Fine Chemicals

RINGWOOD, ILLINOIS

2-PHENYLQUINOLINE-4 see Cinchophen

PHENYL SALICYLATE see Salol

PHENYL SEMICARBAZIDE

$C_7H_9ON_3$. M.W. 151.1. White scales. M.P. 172°C. Sl. sol. water; sol. alcohol or ether. Uses—in organic synthesis.

American Roland Corp, 16 Hudson St, N Y
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
*Polychem Co, 494 Hunts Point Ave, N Y 59

m-PHENYLENE DIAMINE

$C_6H_4(NH_2)_2$. Colorless needles. Sp. gr. 1.1389. M.P. 63°C. B.P. 287°C. Sol. alcohol, ether, water. Uses—mfr. azo and sulfur dyes, alkali blue; as laboratory reagent; developing agent in printing and dyeing textiles. Grades—tech. 94%.

Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Republic Chem Corp, 94 Beekman St, N Y 38

o-PHENYLENE DIAMINE

$NH_2.C_6H_4.NH_2$. Cryst. M.W. 108.14. M.P. 62.8°C. Very sol. in water and alcohol. Sol. in ether. Uses—inhibitors, mfr. of heterocyclics.

Conray Products, 510 6 Ave, N Y 11
*Edwal Labs, Ringwood, Ill
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J

p-PHENYLENE DIAMINE

$(C_6H_4)(NH_2)_2$. Colorless, solid crystalline. M.P. 140°C. B.P. 267°C. Sol. alcohol, ether, water. Uses—mfr. azo dyes, aniline black; dyeing hair and furs; dyeing and printing black and brown shades on textiles; rubber vulcanization accelerator; in chemical analysis. Grades—tech.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
Bendix Chem Corp, 420 Lexington Ave N Y
F M Browning Co, 150 Broadway, N Y 38
Joseph Caspe, 50 Columbia St, Newark 5, N J
Edwal Labs, Ringwood, Ill
Fallek Products Co, 163 Broadway, N Y 6
B G Feinberg, 112 W 44 St, N Y 18
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Manahan Chem Co, 57 N 6 St, Bklyn 1, N Y
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Verona Chem Co, 26 Verona Ave, Newark, N J

PHLOROGLUCINE see Phloroglucinol

*Company classifies itself as manufacturer or producer of this product

MONSANTO
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Monsanto process of manufacture assures elemental phosphorus of over 99.9% purity. From this are produced these high-quality Monsanto products: Phosphorus Pentoxide (also known as phosphoric anhydride, phosphoric oxide, solid P_2O_5) • Phosphoric Acid (orthophosphoric acid) • Alkyl Acid and Alkyl Alkali Phosphates • Sodium Phosphates • Ammonium Phosphates • Calcium Phosphates • Potassium Phosphates.

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Phosphate Division
St. Louis 4, Missouri

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Alkyl Phosphites • Tetraethylpyrophosphate
and other organic compounds of phosphorus.

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CHEMICALS DIVISION • RICHMOND 5, VIRGINIA

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PHOSPHORUS PENTACHLORIDE
PHOSPHORIC ANHYDRIDE
PHOSPHORUS PENTASULFIDE
PHOSPHORUS TRICHLORIDE
PHOSPHORUS (Yellow or White)
PHOSPHORIC ACID 85% NF VIII
•
HYPOPHOSPHITES
ZINC PHOSPHIDE
PHOSPHOROUS ACID
OXALIC ACID *Powdered or Crystal*
POTASSIUM PERCHLORATE
SODIUM CHLORATE
POTASSIUM CHLORATE

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Niagara Falls, N. Y.

NEW YORK OFFICE 19 Rector St. New York 6, N. Y.

PHLOROGLUCINOL (Trioxyphenol: Phloroglucine, Benzenetriol Dihydroxyphenol)

$C_6H_3(OH)_3.2H_2O$. White to yellowish. cryst. M.P. 217-219°C. if rapidly heated; 200° to 209°C. if slowly heated. Sol. in alcohol and ether; sl. sol. in water. Uses—analytical chemistry (reagent for pentoses and with vanillin for determining presence of free hydrochloric acid); in medicine; decalcifying agent for bones. Grades—tech.

Crescent Chem Co, 15 Park Row, N Y 38
*Edwal Labs, Ringwood, Ill
Fallek Products Co, 163 Broadway, N Y 6
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill

PHOSGENE (Carbonyl Chloride, Chloroformyl Chloride)

$COCl_2$. M.W. 98.2. Colorless, volatile liq. Extremely poisonous. Sp. gr. 1.392. M.P. —75°C. B.P. 8.3° C. Container—steel cylinders. Uses—chlorinating agent, dye mfr., lethal gas for warfare, bleaching,, glass mfr.

Adams-Henry Chem Co, 32 Broadway, N Y 4
John A Chew, 60 E 42 St, N Y 17
*Deimar Co, Box 108, Elkton, Md
Elberta Chem Co, Box 8, Ransomville, N Y
Matheson Co, Paragon Div, E Rutherford, N J

PHOSPHATE (Edible Bone)

Joseph C Jett, Board of Trade Bldg, Norfolk 1, Va
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Chas Page & Co, 50 E 42 St, N Y 17
Riches-Nelson, 342 Madison Ave, N Y 17

PHOSPHATES see advertisements on this page and individual listings

PHOSPHATE ROCK

Natural Rock; a complex compound containing variable quantities of calcium phosphate. Uses—mfr. superphosphate, phosphate salts, posphoric acid; fertilizer. Grades—as to percentage of actual calcium phosphate (68-77%); pebble; rock; ground.

*American Agricultural Chem Co, 50 Church St, N Y 7
*American Cyanamid Co, Agricultural Chem Div, 30 Rockefeller Plaza, N Y 20
Bradley & Baker, 155 E 44 St, N Y 17

Phosphates
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Sodium Phosphate, Dibasic
Sodium Phosphate, Tribasic
Sodium Tripoly Phosphate
Tetrasodium Pyrophosphate, Anhydrous

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FOR AMERICAN INDUSTRY
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Offices in Principal Cities—See our Directory ad

*Company classifies itself as manufacturer or producer of this product

PHOSPHATE ROCK, continued

*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Alex M McIver & Son, Peoples Bldg, Charleston, S C
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va

PHOSPHORIC CHLORIDE see Phosphorus Pentachloride

PHOSPHORIC SULFIDE see Phosphorus Pentasulfide

PHOSPHORUS

P. a. Light yellow solid crystalline, disagreeable odor. b. Reddish-brown, amorp. powd., odorless. Sp. gr. a. 1.83. b. 2.296. M.P. a. 44.4°C. b. 725°C. B.P. a. 287°C. b. 350°C. a. Sol. carbon disulfide, benzene, chloroform, oils; sl. sol. water, alcohol, ether. b. Sol. absolute alcohol. Uses—mfr. organic chemicals, intermediates, rodent poisons, matches, phosphorus pentachloride; reagent in making phosphides; alloying copper; in medicine. Grades—white or yellow and red amorp. tech.; U.S.P.; sticks.

*American Agricultural Chem Co, 50 Church St, N Y 7
American Quinine Co, 15 William St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
*Coignet Chem Co, 445 Park Ave, N Y 22
Conray Products, 510 6 Ave, N Y 11
Duff Chem Co, 342 Madison Ave, N Y 17
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
*Oldbury Electro Chem Co, 19 Rector St, N Y 6
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
George Uhe Co, 76 9 Ave, N Y 14
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va

PHOSPHORUS CHLORIDE see Phosphorus Trichloride

PHOSPHORUS OXYCHLORIDE (Phosphoryl Chloride)

$POCl_3$. Clear colorless fuming liq., with pungent odor. Sp. gr. 1.686 (15°C.). M.P. 1.25°C. B.P. 110°C. Solidifies —10°C. Decomp. by water and alcohol. Uses—chlorinating agent and catalyst in making organic chemicals, intermediates, dyestuffs, etc. Grades—tech.

J T Baker Chem Co, Phillipsburg, N J
*Coignet Chem Co, 445 Park Ave, N Y 22
*Dow Chem Co, Midland, Mich
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Ohio-Apex, Nitro, W Va
*Oldbury Electro Chem Co, 19 Rector St, N Y 6
Jos Turner & Co, Ridgefield, N J
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

PHOSPHORUS PENTACHLORIDE (Phosphoric Chloride)

PCl_5. Fuming white cryst., decomp. in air, irritating odor. Sp. gr. 3.60. M.P. 148°C. (under pressure). B.P. 160-165°C. Sol. carbon disulfide. Decomp. by water. Uses—chlorinating agent in making intermediates and organic chemicals; laboratory reagent; chemical catalyst. Grades—tech.

J T Baker Chem Co, Phillipsburg, N J
*Oldbury Electro Chem Co, 19 Rector St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38

PHOSPHORUS PENTASULFIDE (Phosphoric Sulfide, Thiophosphoric Anhydride, Phosphorus Persulfide)

P_2S_5. Light yellow crystalline masses. Sp. gr. 2.03. M.P. 274°C. B.P. 518-520°C. Sol. alkalies, carbon disulfide. Decomp. by water. Uses—in organic synthesis. Grades—tech.

J T Baker Chem Co, Phillipsburg, N J
*Oldbury Electro Chem Co, 19 Rector St, N Y 6
Riches-Nelson, 342 Madison Ave, N Y 17

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• Phosphorus Sesquisulphide Powder

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141 W. Jackson Blvd., Chicago 4, Illinois

MONSANTO
PHOSPHORUS OXYCHLORIDE
(ALSO KNOWN AS PHOSPHORYL CHLORIDE)

Specifications: Water-white to yellow liquid; crystallizing point 0.8° C. min.; assay 99.0% min. Distillation range: first drop, 106.0° C. min.; 95% (196 ml.), 1.5° C. max.; dry point, 108.5° C. max. PCl_3, 0.20% max.; iron, 0.0005% max.

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division
St. Louis 4, Mo.

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VC CHEMICALS

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VIRGINIA-CAROLINA CHEMICAL CORPORATION
CHEMICALS DIVISION • RICHMOND 5, VIRGINIA

*Company classifies itself as manufacturer or producer of this product

PHOSPHORUS
SESQUISULPHIDE
POWDER

• Red Amorphous Phosphorus

Manufactured by
Electric Reduction Co., of Canada, Ltd.

EXCLUSIVE EXPORT AGENTS

DUFF CHEMICAL CO., Inc.

342 Madison Avenue
Telphone: MU 7-6502

New York 17, N. Y.
Cable Address: CHEMDUF

MONSANTO
PHOSPHORUS TRICHLORIDE

Distilling Range
First drop 74.5° C. min.
Dry point 79.0° C. max.
Total range 3.0° C. max.

Specific Gravity 15.5/15.5° C. 1.582-1.587.

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division
St. Louis 4, Mo.

SERVING INDUSTRY . . . WHICH SERVES MANKIND

MONSANTO
CHEMICALS—PLASTICS



PHTHALIC ANHYDRIDE

MALEIC ANHYDRIDE

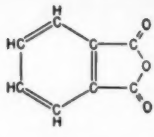
PENTAERYTHRITOL

The J. M. Baird Company

Cables:
JOMBAIRD

147 NASSAU STREET, NEW YORK 38, N. Y. WOrth 4-0952

KOPPERS
PHTHALIC ANHYDRIDE
Purity: 99.7% Minimum



USES: In manufacture of alkyd resins, ester-type plasticizers, dyestuff intermediates, food preservatives, medicinals, pharmaceuticals, insect repellents and perfume fixatives.

KOPPERS COMPANY, INC.
Chemical Division
PITTSBURGH 19, PA.

KOPPERS

PHOSPHORUS PENTOXIDE (Phosphoric Acid Anhydrous)

P_2O_5. M.W. 142.04. White, amorp., very deliq. powd. Sp. gr. 2.387. M.P. 800°C. Sublimes at red heat. Sol. water, conc. sulfuric acid. Uses—mfr. phosphoric acids; dehydrating agent in making intermediates, dyestuffs, etc., refining sugar, and in chemical processes; laboratory reagent; in medicine. Grades—tech.

American Firstoline Corp, 420 Lexington Ave, N Y
J T Baker Chem Co, Phillipsburg, N J
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
*Oldbury Electro Chem Co, 19 Rector St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Jos Turner & Co, Ridgefield, N J
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

PHOSPHORUS PERSULFIDE see Phosphorus Pentasulfide

PHOSPHORUS, RED AMORPHOUS

*American Agricultural Chem Co, 50 Church St, N Y 7
Duff Chem Co, 342 Madison Ave, N Y 17
*Oldbury Electrochem Co, 19 Rector St, N Y 6

PHOSPHORUS SESQUISULFIDE (Tetraphosphorus Trisulfide)

P_4S_3. Yellow, crystalline inflammable mass. Sp. gr. 2.00. M.P. 172°C. B.P. 407.8°C. Sol. carbon disulfide. Uses—mfr. organic compounds, matches. See Phosphorus. Grades—tech.

*American Agricultural Chem Co, 50 Church St, N Y 7
*Coignet Chem Co, 445 Park Ave, N Y 22
Conray Products, 510 6 Ave, N Y 11
Duff Chem Co, 342 Madison Ave, N Y 17
Frank G Fanning, 50 E 42 St, N Y 17
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
International Selling Corp, 70 Pine St, N Y 5
*Oldbury Electro Chem Co, 19 Rector St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38

PHOSPHORUS TRIBROMIDE

PBr_3. Fuming, colorless liq. Penetrating odor. Sp. gr. 2.925 at 0°C. B.P. 175°C. M.P. 40°C. Uses—analytical (test for sugar and oxygen). Shipping regulations, white label.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*Dow Chem Co, Midland, Mich
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
Millmaster Chem Corp, 420 Lexington Ave, N Y 17

PHOSPHORUS TRICHLORIDE (Phosphorus Chloride)

PCl_3. M.W. 137.39. Clear colorless, fuming liq. Sp. gr. 1.616 (0°C.). M.P. —111.8°C. B.P. 73.5°C. Miscible ether, benzene, carbon disulfide, carbon tetrachloride. Decomposed by water or moist air. Uses—mfr. phosphorus pentachloride, phosphorus oxychloride, saccharin; for producing irridescent metallic deposits; chlorinating agent in making intermediates, organic chemicals, synth. dyes, drugs, perfumes. Grades—tech.

American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Dow Chem Co, Midland, Mich
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Ohio-Apex, Nitro, W Va
*Oldbury Electro Chem Co, 19 Rector St, N Y 6
Jos Turner & Co, Ridgefield, N J
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

PHOSPHORYL CHLORIDE see Phosphorus Oxychloride

PHTHALANDIONE see Phthalic Anhydride

p-PHTHALEIN see Phenolphthalein

PHTHALIC ANHYDRIDE (Phthalandione)

$C_8H_4O_3$. M.W. 148.03. White, translucent, crystalline needles, characteristic odor. Sp. gr. 1.527. M.P. 130.8° C. B.P. 284.5°C. Sol. alcohol; sl. sol. ether, hot water. Uses—mfr. various dyestuffs, intermediates, phenolphthalein, indigo, phthaleins, fluorescent and anthraquinone dyestuffs, diethylphthalate, methylanthrapuinone, anthranol, anthranilic acid, phloxines, erythosins, rhodamines, violomines, perfume esters, phthalated pharmaceuticals; synth. perfume base. Grades—tech.; pure (99.9%).

Aceto Chem Co, 82 Beaver St, N Y 5
American-British Chem Supplies, 180 Madison Ave, N Y
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
Philipp Bauer Co, 2 W 47 St, N Y
Bergstrom Trading Co, 233 Broadway, N Y
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
Boto Leopold, Woolworth Bldg, N Y 7

*Company classifies itself as manufacturer or producer of this product

PHTHALIC ANHYDRIDE, continued

John A Chew, 60 E 42 St, N Y 17
Coaltar Chem Corp, 420 Lexington Ave, N Y 17
De Bear Inc, 636 11 Ave, N Y 19
Fallek Products Co, 163 Broadway, N Y 6
Fine Chem Co, 156 E 42 St, N Y 17
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Kingston Chem Co, 15 William St, N Y 5
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Legion Chem, 70 Wall St, N Y 5
Mackim Products Co, 1775 Broadway, N Y 19
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
*National Aniline Div, 40 Rector St, N Y 6
*Oronite Chem Co, 38 Sansome St, San Francisco 4, Cal
Chas Page & Co, 50 E 42 St, N Y 17
Philipp Bros Chem, 37 Wall St, N Y
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
Reinhart Chem Corp, 405 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
E Sonnenschein & Co, 276 5 Ave, N Y 1
George Uhe Co, 76 9 Ave, N Y 14
United Sterling Corp, 37 E 28 St, N Y

PHTHALIMIDE

$C_6H_4:(CO)_2:NH$. M.W. 147.05. White, plate cryst., over 98% pure. M.P. 238°C. Uses—mfr. anthranilic acid, certain colors.

Antara Products Div, 435 Hudson St, N Y 14
*Dow Chem Co, Midland, Mich
McKesson & Robbins, 155 E 44 St, N Y 17

PHTHALYL CHLORIDE (o-Phthalyl Dichloride, 1,2-Benzene Dicarbonyl Chloride)

$C_6H_4(COCl)_2$. M.W. 203.03. Colorless oily liquid. —mfr. of plasticizers and resins; in organic syntheses.

*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo

o-PHTHALYL DICHLORIDE see Phthalyl Chloride

PHYTOSTEROL (Phytosterin)

$C_{28}H_{44}O.H_2O$. M.W. 390.37. An isomer of cholesterol. M.P. 135°C. in all vegetable fats (0.5-1%). Its presence distinguishes vegetable from animal fats which contain cholesterol.

American Lecithin Co, 57-01 32 Ave, Woodside, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Paul Blum Co, 313-319 Larkin St, Buffalo 10, N Y

PICKLE ALUM see Aluminum Sulfate

PICKLING AGENTS

*American Chem Paint Co, Ambler, Pa
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Cornwell Chem Corp, Cornwells Heights, Pa
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Fiber Chem Corp, Box 218, Matawan, N J
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn, N Y
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va

a-PICOLINE

a—$CH_3C_5H_4N$. M.W. 93. B.P. 129°C. Sol. in water. Light-colored liq., odor resembling pyridine. Uses—in dyestuff synthesis, special solvent, resinous condensation products.

Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
J H Bauminger, 421 7 Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
Chematar Inc, Exchange Pl, N Y 5
*Donnar-Hanna Coke Corp, Box A, S Park Sta, Buffalo 20, N Y
J & L Steel Barrel Co, 311 Rose St, Pittsburgh 30, Pa
Jones & Loughlin Steel Co, 3 Ave & Roff St, Pittsburgh 3, Pa
Reinhart Chem Corp, 405 Lexington Ave, N Y 17
Tar Residuals, 420 Lexington Ave, N Y 17
*U S Steel Corp, Coal Chem Sales Div, 525 Wm Penn Pl, Pittsburgh 30, Pa

b-PICOLINE

C_6H_7N. M.W. 93.06. B.P. 143.5°C. Liq. Sol. water, alcohols. Miscible with alcohol, ethyl ether. Uses—solvent in synthesis of pharmaceuticals, resins, dyestuffs, rubber accelerators, insecticides; in prep. of nicotinic acid and nicotinic acid amide.

PHTHALIC ANHYDRIDE

Superior quality and dependability are assured by modern equipment and manufacturing methods

THE BARRETT DIVISION
Allied Chemical & Dye Corporation
40 Rector St., New York 6, N. Y.

Barrett*

*Reg. U.S. Pat. Off.

AERO*
PHTHALIC ANHYDRIDE
Flake and Molten Form

AMERICAN Cyanamid COMPANY
30 Rockefeller Plaza, New York 20, N. Y.
* Trade mark

MONSANTO
PHTHALIC ANHYDRIDE

Specifications: Crystallizing pt. approx. 131°C. min. Solubility in benzene: 1.20 complete. Assay: essentially 100%.

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division
St. Louis 4, Mo.

SERVING INDUSTRY . . . WHICH SERVES MANKIND

MONSANTO CHEMICALS – PLASTICS

U·S·S Picolines

Two Degree Alpha Picoline
Mixed Picolines—95% Within 8°C.
Tank cars and 55-gallon drums

USS

UNITED STATES STEEL COMPANY
525 WILLIAM PENN PLACE, PITTSBURGH 30, PA.

COAL CHEMICALS

UNITED STATES STEEL

*Company classifies itself as manufacturer or producer of this product

MAPICO COLORS

PURE IRON OXIDE PIGMENTS

YELLOWS • TAN • REDS

BROWNS • BLACK

COLUMBIAN CARBON COMPANY

MAPICO COLOR DIVISION

BINNEY & SMITH CO., Distributor

41 East 42nd St. New York 17, N.Y.

Asp Pigments

In the West Call GRIFFIN

GRIFFIN CHEMICAL COMPANY

San Francisco • Los Angeles

b-PICOLINE, continued

*American Quinine Co, 15 William St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
*Kingston Chem Co, 15 William St, N Y 5
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
Reinhart Chem Corp, 405 Lexington Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

g-PICOLINE

$C_6H_4(COCl)_2$. M.W. 203.03. Colorless oily liq. Uses water, alcohols. Miscible with alcohol, ethyl ether. Uses —solvent in synthesis of pharmaceuticals, resins, dyestuffs, rubber accelerators, insecticides.

Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
*Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
Reinhart Chem Corp, 405 Lexington Ave, N Y 17

PIGMENTS, BLACK CARBON

Included in this group are: the various grades of carbon black, thermatomic black, lamp black, bone black, also blacks which fall between the soft blacks and carbon blacks and which are produced by varying the method of mfr. of blacks from natural gas. Black pigments find wide application in rubber, inks, paints, lacquers, enamels, linoleum, paper, etc.

*American Agricultural Chem Co, 50 Church St, N Y 7
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
American Pigment Corp, Pulaski, Va
Barclay Chem Co, 75 Varick St, N Y
Binney & Smith Co, 41 E 42 St, N Y 17
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
R E Carroll, 231 Broad St Bank Bldg, Trenton 1, N J
Wm D Egleston Co, 249 5 St, Cambridge 42, Mass
Gen Metallic Oxides Co, 1 & Henderson Sts, Jersey City 2, N J
Harwick Standard Chem Co, 60 Seiberling St, Akron, Ohio
*J M Huber Corp, 100 Park Ave, N Y 17
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
L J & M La Place, Leliarts Lane, E Paterson, N J
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Mineral Pigments Corp, Muirkirk, Md
C J Osborn Co, 132 Nassau St, N Y
Prince Mfg Co, Lehigh St, Bowmanstown, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
R T Vanderbilt Co, 230 Park Ave, N Y
*Witco Chem Co, 295 Madison Ave, N Y 17

PIGMENTS, BLACK MINERAL

Pigments from shale found in Nature (containing roughly 70% silica and 30% carbonaceous matter) or from coal or slate.

American Pigment Corp, Pulaski, Va
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
Filo Color & Chem Corp, 202 E 44 St, N Y
Gen Dyestuff Corp, 435 Hudson St, N Y 14
L J & M La Place, Leliarts Lane, E Paterson, N J
*Mineral Pigments Corp, Muirkirk, Md
C J Osborn Co, 132 Nassau St, N Y
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
*Rare Metal Products Co, Atglen, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*C K Williams & Co, 640 N 13 St, Easton, Pa
*Witco Chem Co, 295 Madison Ave, N Y 17

PIGMENTS, BLUE

Two principal members of this group are Prussian Blue (often called Chinese Blue or Iron Blue) and Ultramarine Blue. Finished products are sold in the dry form, or ground in oil or in japan to form a paste. See A.S.T.M. Standard Specifications D261-28; D262-28.

American Firstoline Corp, 420 Lexington Ave, N Y
*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, S I, N Y
Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
*Calco Chem Div, Bound Brook, N J
Stanley Doggett, 75 Varick St, N Y 13
*E I Du Pont de Nemours & Co, 111 Sutter St, San Francisco, Cal
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*H Kohnstamm & Co, 83 Park Pl, N Y 7
L J & M La Place, Leliarts Lane, E Paterson, N J
Edward Mendell Co, 24 W 45 St, N Y 19
*Mineral Pigments Corp, Muirkirk, Md
C J Osborn Co, 132 Nassau St, N Y
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Utility Color Co, 377-399 Frelinghuysen Ave, Newark, N J
*Witco Chem Co, 295 Madison Ave, N Y 17

PIGMENTS, BROWN

Most commonly employed brown pigments are : 1. Raw Sienna; 2. Raw and burnt umber; 3. Van Dyke brown.

American Firstoline Corp, 420 Lexington Ave, N Y
American Pigment Corp, Pulaski, Va
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
*Calco Chem Div, Bound Brook, N J
Stanley Doggett, 75 Varick St, N Y 13
Filo Color & Chem Corp, 202 E 44 St, N Y
Gen Dyestuff Corp, 435 Hudson St, N Y 14
*H Kohnstamm & Co, 83 Park Pl, N Y 7
L J & M La Place, Leliarts Lane, E Paterson, N J
Edward Mendell Co, 24 W 45 St, N Y 19
*Mineral Pigments Corp, Muirkirk, Md
C J Osborn Co, 132 Nassau St, N Y
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*C K Williams & Co, 640 N 13 St, Easton, Pa
*Witco Chem Co, 295 Madison Ave, N Y 17

PIGMENTS, CHROMIUM

More common members of this group are: pure chrome green (a precipitated mixture of lead chromate and iron ferro and ferricyanide blue) reduced chrome green, also known as grinders' green (a mixture of lead chromate and iron ferro and ferricyanide blue precipitated on a base of barium sulfate or insol. siliceous material or any mixture thereof); chrome oxide green (a practically pure sesqui-oxide of chromium, Cr_2O_3); chrome yellow (usually mixtures of normal and basic lead chromates). Finished products are sold in the dry form or ground in oil, or in japan to form a paste. See A.S.T.M. Standard Specifications D212-27; D213-27; D263-28; D211-27. See also Pigments, Green; Pigments, Yellow. See Lead Chromate, Chromium Oxide, Chrome Green.

American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Calco Chem Div, Bound Brook, N J
Stanley Doggett, 75 Varick St, N Y 13
*E I Du Pont de Nemours & Co, 111 Sutter St, San Francisco, Cal
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
Hummel Chem Co, 90 West St, N Y 6
*Imperial Paper & Color Corp, Box 231, Glens Falls, N Y
*Mineral Pigments Corp, Muirkirk, Md
C J Osborn Co, 132 Nassau St, N Y

PIGMENTS

HARSHAW

Antimony Oxide — Yellow and Reds

Cadmium Lithopones — Cobalt Blues

THE HARSHAW CHEMICAL CO.

CLEVELAND 6, OHIO • CHICAGO • CINCINNATI • DETROIT

HOUSTON • LOS ANGELES • NEW YORK • PHILADELPHIA • PITTSBURGH

*Company classifies itself as manufacturer or producer of this product

PIGMENTS, CHROMIUM, continued

*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*C K Williams & Co, 640 N 13 St, Easton, Pa
Witco Chem Co, 295 Madison Ave, N Y 17

PIGMENTS, DISPERSIONS see Dispersions, Pigments; also advertisements on this page

PIGMENTS, EXTENDED TITANIUM

Special titanium pigments to which has been added an extender appropriate for the particular uses for which the pigment is designed. See Titanium Dioxide.

Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
*E I Du Pont de Nemours & Co, 111 Sutter St, San Francisco, Cal
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Mineral Pigments Corp, Muirkirk, Md
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Witco Chem Co, 295 Madison Ave, N Y 17

PIGMENTS, EXTENDER

Extender pigments having a wide range of chemical and physical properties are commercially available, such as the high- and low-oil-absorption precipitated calcium carbonates, diatomaceous earth, bleached silicas, and transparent water-ground mica. These, properly formulated in paints, varnishes, and lacquers produce special effects. Diatomaceous earth can be used to flat a paint or lacquer without excess pigmentation. Low-oil-absorption calcium carbonate is added to white enamels to reduce drag and improve leveling. High-oil-absorption precipitated calcium carbonates improve the dry hiding power of inside whites, and also aid in producing a dead flat effect. Transparent, white, water-ground mica, if added to a lacquer film, adds mechanical strength without affecting transparency. Mica can be used in small amounts to overcome checking and cracking of outside paints. Other extender pigments include talc, barytes, clay, slate, limestone, chalk, whiting, gypsum, Terra alba.

American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
*E I Du Pont de Nemours & Co, 111 Sutter St, San Francisco, Cal
*E I Dupont de Nemours & Co, Pigments Dept, Wilmington 98, Del
Eastern Color & Chem Co, 145 Nassau St, N Y 7
Filo Color & Chem Corp, 202 E 44 St, N Y
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*Mineral Pigments Corp, Muirkirk, Md
Plastichemicals Co, 1 Beekman St, N Y 38
Witco Chem Co, 295 Madison Ave, N Y 17

PIGMENTS, FLATTING

*Dicalite Div, Great Lakes Carbon Corp, 612 S Flower St, Los Angeles 17, Cal
*Edgar Bros Co, Metuchen, N J
Filo Color & Chem Corp, 202 E 44 St, N Y
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
L J & M La Place, Lellarts Lane, E Paterson, N J
*Mineral Pigments Corp, Muirkirk, Md
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y

PIGMENTS, FLUORESCENT

*Calco Chem Div, Bound Brook, N J
Filo Color & Chem Corp, 202 E 44 St, N Y

PIGMENTS, GREEN

Most commonly employed green pigments are: 1. Chrome Green, C.P., a combination of Prussian blue and chrome yellow, different proportions of which give a variety of tints; 2. Brunswick Green (often called Grinders), a reduced chrome green precipitated on barytes with less opacity and staining power, but greater brilliancy than chrome green, C.P.; 3. Chromium Oxide, a yellowish or sage green of good opacity, unaffected by light, heat, acids or alkalies, but somewhat dull in color; 4. Guignet's Green, permanent, stable and inert, very brilliant, but more expensive.

American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
*Calco Chem Div, Bound Brook, N J
Stanley Doggett, 75 Varick St, N Y 13
*E I Du Pont de Nemours & Co, 111 Sutter St, San Francisco, Cal
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio

GK
HYDRITE
Trade-mark Reg. U. S. Pat. Off.
Silicate Pigment — an Extender Used In
LATEX ★ RESIN EMULSION &
CONVENTIONAL OIL PAINTS
Fifty Years of Progress
Georgia Kaolin Company
433 NO. BROAD ST., ELIZABETH 3, N. J.

PIGMENTS, GREEN, continued

*H Kohnstamm & Co, 83 Park Pl, N Y 7
Edward Mendell Co, 24 W 45 St, N Y 19
*Mineral Pigments Corp, Muirkirk, Md
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Stauffer Chem Co, P O Box 68, N Portland, Ore
*Utility Color Co, 377-399 Frelinghuysen Ave, Newark, N J
*C K Williams & Co, 640 N 13 St, Easton, Pa
*Witco Chem Co, 295 Madison Ave, N Y 17

PIGMENTS, LEAD

Principal members of this group are: red lead, basic carbonate white lead (formula $2PbCO_3Pb(OH)_2$), basic sulfate white lead, leaded zinc oxides, litharge or yellow lead oxide all sold in dry, paste in oil, or semi-paste forms.

American Firstoline Corp, 420 Lexington Ave, N Y
*Associated Lead & Zinc Co, 15 Ave S W, Seattle, Wash
Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Calco Chem Div, Bound Brook, N J
*E I Du Pont de Nemours & Co, 111 Sutter St, Francisco, Cal
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
*Euston Lead Co, 500 Penn Ave, Scranton 3, Pa
Filo Color & Chem Corp, 202 E 44 St, N Y
*Mineral Pigments Corp, Muirkirk, Md
*National Lead Co, 111 Broadway, N Y 6
*Reichhold Chem, 601-707 Woodward Heights Blvd Detroit 20, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Witco Chem Co, 295 Madison Ave, N Y 17

PIGMENTS, LUMINOUS

The principal substances that absorb rays of light and emit them in the dark are the sulfides of the alkaline earths and sulfides of zinc. The former react only feebly, zinc sulfide gives fairly intense illumination. Luminous pigments are used chiefly in the formulation of luminous paints, for stage purposes, in printing, etc.

Filo Color & Chem Corp, 202 E 44 St, N Y
*New Jersey Zinc Co, 160 Front St, N Y 38

PIGMENTS, MICA

In the paint pigment field wet-ground mica supplements as well as replaces asbestine or fibrous talc and is preferably used to the extent of 10% of the pigment.

HARMON
COLOR WORKS, INC.
A SUBSIDIARY OF
B. F. GOODRICH COMPANY
●
Organic Pigment
Colors
for
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142 SHADES AND TYPES OF PIGMENTS

From these you can quickly pick a pigment having the color, physical and chemical properties you require.

You can choose from 108 shades and types of synthetic and natural iron oxides; 64 Reds, 24 Browns, 18 Yellows, 2 Blacks. These include Metallic Browns, Venetian Reds, Ochres, Umbers, Siennas. We also offer Lampblack, Chromium and Cuprous Oxides plus a complete line of extender pigments.

Write, stating your requirements. Address Department 31 C. K. Williams & Co., Easton, Pennsylvania.

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COLORS & PIGMENTS
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*Company classifies itself as manufacturer or producer of this product

PIGMENT COLORS

A Full and Complete Line of Organic and Inorganic Chemical Colors

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RCI

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pigments

cadmium reds	light-fast, heat-resistant orange-reds, reds, and maroons
cadmium yellows	light-fast, heat-resistant lemon-yellows, yellows, and orange-yellows
pure English (quicksilver) vermilions	high opacity, chemically resistant oranges, reds, and maroons
carmine no. 40 n.f.	Non-aniline, vegetable pure food color. Meets all pure food color regulations

special shade-matching service

GENERAL COLOR COMPANY

write for information

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NEWARK 5, NEW JERSEY

PIGMENTS, LUMINOUS, continued

Specifications generally call for 90% ground through 325 mesh and smoothly rounded edges. If the edges are ragged, as are those of ordinary dry-ground mica, the particles will not lie on one another like fish scales or orient themselves in the plane parallel to the paint film surface. Bulky or granular particles likewise are not desired for the reason that equidimensional particles do not tend to force the paint film. Mica is claimed to be superior to fibrous materials, inasmuch as it not only tends to hold together the film as does the hair or fiber in plaster, but it also binds the film (due to the overlapping of plates like fish scales), increases its wearing qualities, and acts as a lubricant. High bulking quality (sp. gr. 3.35; wgt. per gal. 27.75; bulking, 0.0361 gal. per lb.).

C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
*Mineral Pigments Corp, Muirkirk, Md
Prince Mfg Co, Lehigh St, Bowmanstown, Pa
*U S Mica Co, Jordan Ave & Van Dyke St, E Rutherford, N J
Witco Chem Co, 295 Madison Ave, N Y 17

PIGMENTS, PAINT

Coloring materials, insol. in the paint vehicle, but held in suspension, including lead, zinc, cadmium, titanium, mercury and chromium pigments; ochres, siennas, umbers, iron oxides, bone black, lamp black, carbon black, etc.: important factors considered in paint pigments are: particle size, bleeding, moisture, wetting and dispersing properties, neutrality, covering powers, light fastness, resistance to acids, alkalies, oil etc., oil absorption, specific gravity, and tinting strength.

Allied Raw Materials, 38 Park Row, N Y 7
*Aluminum Flake Co, 965 Wooster Rd, Barberton, Ohio
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
American Pigment Corp, Pulaski, Va
*Ansbacher-Siegel Corp, 92 Chestnut St, Rosebank, S I, N Y
Binney & Smith Co, 41 E 42 St, N Y 17
Fred L Brooke Co, 3340 N Halsted St, Chicago,, Ill
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
*Calco Chem Div, Bound Brook, N J
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
E I Du Pont de Nemours & Co, 111 Sutter St, San Francisco, Cal
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
*Edgar Bros Co, Metuchen, N J
*Evans Lead Corp, Box 1467, Charleston 25, W Va
Filo Color & Chem Corp, 202 E 44 St, N Y
*Gen Color Co, 24 Ave B, Newark, N J
*Georgia Kaolin Co, 433 N Broad St, Elizabeth, N J

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PIGMENT COLORS
A Complete Range of Chemical Pigments Both Organic And Inorganic

DRY FLUSHED

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PIGMENTS, PAINT, continued

*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
Jensen & McClelland, 510 N Dearborn St, Chicago 10, Ill
*Kennedy Minerals Co, 2550 E Olympic Blvd, Los Angeles 23, Cal
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Edward Mendell Co, 24 W 45 St, N Y 19
*Mineral Pigments Corp, Muirkirk, Md
*National Lead Co, 111 Broadway, N Y 6
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
*Rare Metal Products Co, Atglen, Pa
*Reichhoid Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Siemon Colors, 318 Ogden St, Newark 4, N J
*J Lee Smith & Co, 25 Ann St, N Y 38
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
J W Stark Co, 804 New Center Bldg, Detroit 2, Mich
*Utility Color Co, 377-399 Frelinghuysen Ave, Newark, N J
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
*Western Dry Color Co, 600 W 52 St, Chicago 9, Ill
*C K Williams & Co, 640 N 13 St, Easton, Pa
*Murray Williams Color & Chem Co, 353 Boyden Ave, Maplewood, N J
Witco Chem Co, 295 Madison Ave, N Y 17

PIGMENTS, PAPER

Used to improve the opacity, whiteness, and brightness of paper. Among the more common pigments employed are: titanium dioxide and composites of the dioxide with blanc fixe or calcium sulfate; the three main grades of zinc sulfate pigments, namely: 1. Commercial zinc sulfate; 2. Zinc sulfide pigment containing approximately 50% blanc fixe; 3. Zinc sulfide pigment containing approximately 70% blanc fixe. Paper pigments differ from paper fillers in that the latter usually have relatively large particle size, low whitening or opacifying power, and are retained by mechanical filtration rather than by adsorption. Many of the paper pigments are added in the beater stage, others like zinc oxide in the coating operation.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
American Pigment Corp, Pulaski Va
Binney & Smith Co, 41 E 42 St, N Y 17
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
*Calco Chem Div, Bound Brook, N J
*E I Du Pont de Nemours & Co, 111 Sutter St, San Francisco, Cal
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
*Edgar Bros Co, Metchuen, N J
Filo Color & Chem Corp, 202 E 44 St, N Y
Gen Color Co, 24 Ave B, Newark 5, N J
*Georgia Kaolin Co, 433 N Broad St, Elizabeth, N J
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
Edward Mendell Co, 24 W 45 St, N Y 19
*Mineral Pigments Corp, Muirkirk Md
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Utility Color Co, 377-399 Frelinghuysen Ave, Newark, N J
*C K Williams & Co, 640 N 13 St, Easton, Pa
Witco Chem Co, 295 Madison Ave, N Y 17

PIGMENTS, PHOSPHORESCENT

American-British Chem Supplies, 180 Madison Ave, N Y
*Calco Chem Div, Bound Brook, N J
Filo Color & Chem Corp, 202 E 44 St, N Y

PIGMENTS, RED

Most commonly used red pigments are: 1. Red oxide, the shades vary from brown (Spanish) to deep red (Persian Gulf), more brilliant shades are produced chemically with a lighter ferric content; 2. Burnt ochre; 3. Burnt Sienna; 4. Red Lead (seldom used except as a priming coat); 5. Basic Lead Chromate; 6. Vermillion (the oldest of brilliant red pigments and prepared by subliming mercury and sulfur together); 7. Cadmium Red, a compound of cadmium, sulfur, and selenium, and largely used in artists' colors.

American Firstoline Corp, 420 Lexington Ave, N Y
American Pigment Corp, Pulaski, Va
*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, S I, N Y
Binney & Smith Co, 41 E 42 St, N Y 17
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
*Calco Chem Div, Bound Brook, N J
*Cohuta Talc Co, Box 363, Dalton, Ga
*E I Du Pont de Nemours & Co, Pigments Dept, Wilminton 98, Del
*Evans Lead Corp, Box 1467, Charleston 25, W Va
Fallek Products Co, 163 Broadway, N Y 6
Filo Color & Chem Corp, 202 E 44 St, N Y
*Gen Color Co, 24 Ave B, Newark 5, N J
Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Hilton-Davis Chem Co, 2235 Langdon Farm Rd, Cincinnati 12, Ohio
*H Kohnstamm & Co, 83 Park Pl, N Y 7
Edward Mendell Co, 24 W 45 St, N Y 19

*Company classifies itself as manufacturer or producer of this product

PIGMENTS, RED, continued

*Mineral Pigments Corp, Muirkirk, Md
C J Osborn Co, 132 Nassau St, N Y
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
*Rare Metal Products Co, Atglen, Pa
*Reichhold Chem, 601-707 Woodward Heigths Blvd, Detroit 20, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*C K Williams & Co, 640 N 13 St, Easton, Pa
Witco Chem Co, 295 Madison Ave, N Y 17

PIGMENTS, RUBBER

Used to impart colors to finished rubber articles and roughly classified as chemical or mineral pigments. Mineral pigments must withstand action of sulfur in the vulcanization operation, and usually iron oxides, zinc oxides, chromium oxides, complex sulfides of antimony, cadmium, mercury, and zinc, ultramarine blue and Prussian blues, Titanium oxides, carbon black, etc., are employed. Chemical pigments are in the form of lakes, toners, dyes, etc. Specially dispersed pigments and colors are required for latex.

Alcar Products Co, 154 Nassau St, N Y 38
*Aluminum Flake Co, 965 Wooster Rd, Barberton, Ohio
American Firstoline Corp, 420 Lexington Ave, N Y
*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, S I, N Y
Binney & Smith Co, 41 E 42 St, N Y 17
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
*Calco Chem Div, Bound Brook, N J
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
Wm D Egleston Co, 249 S St, Cambridge 42, Mass
Filo Color & Chem Corp, 202 E 44 St, N Y
*Gen Color Co, 24 Ave B, Newark 5, N J
Gen Dyestuff Corp, 435 Hudson St, N Y 14
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
*Hilton-Davis Chem Co, 2335 Langdon Farm Rd, Cincinnati 12, Ohio
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Mineral Pigments Corp, Muirkirk, Md
*New Jersey Zinc Sales Co, 160 Front St, N Y 38
Plastichemicals Co, 1 Beekman St, N Y 38
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
*Rare Metal Products Co, Atglen, Pa
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*J Lee Smith & Co, 25 Ann St, N Y 38
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*C K Williams & Co, 640 N 13 St, Easton, Pa
Witco Chem Co, 295 Madison Ave, N Y 17

PIGMENTS, TEXTILE

Finely divided pigments used with thickeners principally to impart a free-flowing body to printing pastes as well as to supply tinting properties.

Alcar Products Co, 154 Nassau St, N Y 38
*Aluminum Flake Co, 965 Wooster Rd, Barberton, Ohio
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, S I, N Y
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
Chem Service Corp, 82 Beaver St, N Y 5
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
*Gen Color Co, 24 Ave B, Newark 5, N J
Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Hilton-Davis Chem Co, 2335 Langdon Farm Rd, Cincinnati 12, Ohio
*Interchem Corp, Hawthorne, N J
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Marx Max Color & Chem Co, 192 Coit St, Irvington, N J
*Mathe Chem Co, 169 Milbank St, Lodi, N J
Edward Mendell Co, 24 W 45 St, N Y 19
*Mineral Pigments Corp, Muirkirk, Md
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Warwick Chem Co Div, Wood River Junction, R I
*C K Williams & Co, 640 N 13 St, Easton, Pa

PIGMENTS, TITANATED LITHOPONE

Titanated lithopones widely used to increase the opacity of either flats, enamels, or exterior paints; also as beater addition or for surface application in paper making. Their thin to medium consistency permits high pigmentation at low consistencies, or their high opacity may be used to produce high-hiding finishes at low-pigment concentration.

American-British Chem Supplies, 180 Madison Ave, N Y
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
Eastern Color & Chem Co, 145 Nassau St, N Y 7
*Evans Lead Corp, Box 1467, Charleston 25, W Va
Filo Color & Chem Corp, 202 E 44 St, N Y
*New Jersey Zinc Sales Co, 160 Front St, N Y 38
Plastichemicals Co, 1 Beekman St, N Y 38
Witco Chem Co, 295 Madison Ave, N Y 17

PIGMENTS, TITANIUM

Outstanding characteristics are great hiding power, chemical inertness, stability, ability to withstand extreme conditions of exposure without alteration or discoloration. Basic raw material is ilmenite and the principal titanium pigments are Titanium Barium Pigment, Titanium Calcium Pigment, Titanium Magnesium Pigment, and Titanium Dioxide. Titanium pigments are used in the mfr. of paint, paper, oil-cloth, linoleum, textiles, ink, rubber goods, and in many other industries where white pigments are required. See also: Titanium Dioxide.

Aceto Chem Co, 82 Beaver St, N Y 5
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
*Calco Chem Div, Bound Brook, N J
De Bear Inc, 636 11 Ave, N Y 19
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
Eastern Color & Chem Co, 145 Nassau St, N Y 7
Frank G Fanning, 50 E 42 St, N Y 17
Hummel Chem Co, 90 West St, N Y 6
*National Lead Co, 111 Broadway, N Y 6
Philipp Bros Chem, 37 Wall St, N Y
Plastichemicals Co, 1 Beekman St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
Witco Chem Co, 295 Madison Ave, N Y 17

PIGMENTS, WHITE

Materials which impart a white color to paints, lacquers, rubber, oil-cloth, linoleum, enamels, paper, textiles, cosmetics, leather, etc. Most common white pigments are lithopones, titanium oxides, extended titanium pigments, barytes, titanated lithopones, zinc sulfide, zinc oxides, etc.

American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
*Calco Chem Div, Bound Brook, N J
De Bear Inc, 636 11 Ave, N Y 19
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
*Dyal Co, 99 Hudson St, N Y 13
*Edgar Bros Co, Metuchen, N J
*Euston Lead Co, 500 Penn Ave, Scranton 3, Pa
Filo Color & Chem Corp, 202 E 44 St, N Y
*Hilton-Davis Chem Co, 2335 Langdon Farm Rd, Cincinnati 12, Ohio
*National Lead Co, 111 Broadway, N Y 6
C J Osborn Co, 132 Nassau St, N Y

PIGMENTS, WHITE, continued

*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Witco Chem Co, 295 Madison Ave, N Y 17

PIGMENTS, YELLOW

Most commonly employed yellow pigments are: 1. Chrome Yellows, varying in color from pale yellow to dark orange. They are brilliant in tone and of considerable opacity and strength of color, and are reasonably permanent; 2. Barium Chromate, pale yellow in color, and unaffected by hydrogen sulfide; 3. Zinc Chrome, pale yellow in color, but completely decomposed by acids and alkalies, but resistant to heat; 4. Yellow Oxide, artificially prepared, stronger in color than ochre, inert, and resistant to heat; 5. Cadmium Yellow, which is a sulfide of cadmium, durable, and light-proof; 6. Yellow ochres; 7. Siennas.

American Firstoline Corp, 420 Lexington Ave, N Y
American Pigment Corp, Pulaski, Va
*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, S I, N Y
Barclay Chem Co, 75 Varick St, N Y
Binney & Smith Co, 41 E 42 St, N Y 17
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
*Calco Chem Div, Bound Brook, N J
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
*Gen Color Co, 24 Ave B, Newark 5, N J
Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Hilton-Davis Chem Co, 2355 Langdon Farm Rd, Cincinnati 12, Ohio
*H Kohnstamm & Co, 38 Park Pl, N Y 7
Edward Mendell Co, 24 W 45 St, N Y 19
*Mineral Pigments Corp, Muirkirk, Md
C J Osborn Co, 132 Nassau St, N Y
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*C K Williams & Co, 640 N 13 St, Easton, Pa
Witco Chem Co, 295 Madison Ave, N Y 17

PIGMENTS, ZINC

Principal members of this group are: 1. Zinc oxides, sometimes known as "Zinc White" and produced by the American process direct from the ore, or by the French process from spelter. Available in the dry form or ground in oil to form a paste; 2. The leaded zinc oxides; 3. Zinc Sulfide in either the dry pigment or ground in oil; 4. Litho-

WILLIAMS OFFERS YOU A CHOICE OF 142 SHADES AND TYPES OF PIGMENTS

From these you can quickly pick a pigment having the color, physical and chemical properties you require.

You can choose from 108 shades and types of synthetic and natural iron oxides; 64 Reds, 24 Browns, 18 Yellows, 2 Blacks. These include Metallic Browns, Venetian Reds, Ochres, Umbers, Siennas. We also offer Lampblack, Chromium and Cuprous Oxides plus a complete line of extender pigments.

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PIGMENTS
FLUSHED AND DRY
for the
Printing Ink, Paint, Lacquer, Vinyl, Carbon Paper, Rubber, and Leather Industries

The Hilton-Davis Chemical Company Division
2235 Langdon Farm Road, Cincinnati, Ohio

*Company classifies itself as manufacturer or producer of this product

PIGMENTS, ZINC, continued

pone, a combination of zinc sulfide and barium sulfate. also available in the dry or paste form. See A.S.T.M. Standard Specifications. D79-24; D80-25; D386-36; D385-36. See also: Lithopone, Zinc Oxide, Zinc Sulfide.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
Associated Lead & Zinc Co, 2800 16 Ave S W, Seattle, Wash
*Calco Chem Div, Bound Brook, N J
De Bear Inc, 636 11 Ave, N Y 19
*E I Du Pont de Nemours & Co, 111 Sutter St, San Francisco, Cal
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Mineral Pigments Corp, Muirkirk, Md
*New Jersey Zinc Co, 160 Front St, N Y 38
C J Osborn Co, 132 Nassau St, N Y
Plastichemicals Co, 1 Beekman St, N Y 38
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Witco Chem Co, 295 Madison Ave, N Y 17

PIG-WRACK see Moss, Irish

PINACOLE

$[(CH_3)_3COH]_2$. M.W. 118.17. Colorless solid. M.P. 42°C. Sl. sol. hot water; sol. carbon disulfide.

*Bios Labs, 17 W 60 St, N Y 23

PINACOLONE (Methyl tert-Butyl Ketone)

$(CH_3)_3CCOCH_3$. M.W. 100.16. M.P. —49.8°C. B.P. 106°C. Colorless liq. Sl. sol. water; sol common organic solvents. Uses—solvent; chemical intermediate.

*Bios Labs, 17 W 60 St, N Y 23

PINE CREOSOTE

An oily distillate from wood of pine trees. Uses—mfr. disinfectants; in medicine.

*Godfrey L Cabot, 77 Franklin St, Boston, Mass
*Glidden Co, Crestwood-Burton, Jacksonville, Fla
*Louisiana Pine Products Co, P O Box 814, Alexandria 4, La

PINE RESIN see Rosin, Gum

α-PINENE

$C_{10}H_{16}$. Colorless liq. Sp. gr. 0.862 at 15.5°/15.5°C. B.P. 155-156°C. Flash point (closed cup). 33°C. Uses—solvent for paints and varnishes; mfr. of synth. camphor, terpineol and terpin hydrate.

*Crosby Chem, Drawer 32 De Ridder, La
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Southern Naval Stores, Columbia, Miss
G A Wharry & Co, 95 Broad St, N Y

β-PINENE (Nopinene)

$C_{10}H_{16}$. M.W. 136.12. A terpene occuring (30%) in the oil of Ferula galbiflua of Russia.

*Bios Labs, 17 W 60 St, N Y 23
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
G A Wharry & Co, 95 Broad St, N Y
T C Wilson Co, 503 Market St, San Francisco 5, Cal

PIPE CLAY see Clays, China

PIPERAZINE (Hexahydropyrazine, Diethylenediamine)

$NH(CH_2)_2.(CH_2)_2NH$. M.W. 86.14. Colorless, deliq., transparent, needlelike cryst. Absorbs CO_2 from air. Should be kept well-stoppered. M.P. 104°C. B.P. 145°C. Sol. water, alcohol. Uses—medicine.

*Bios Labs, 17 W 60 St, N Y 23
Chematar Inc, Exchange Pl, N Y 5
Fallek Products Co, 163 Broadway, N Y 6
*Lamex Chem Corp, 25 Broadway, N Y 4
*Polychem Co, 494 Hunts Point Ave, N Y 59
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

PIPERIDINE (Hexahydropyridine, Pentamethylene Amine)

$C_5H_{11}N$. M.W. 85.1. Colorless liq. Sp. gr. 0.862. M.P. —9°C. B.P. 106°C. Sol. alcohol, water, ether. Uses—organic synthesis; rubber accelerator; in medicine.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Bios Labs, 17 W 60 St, N Y 23
Chem Service Corp, 82 Beaver St, N Y 5
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo

PIPERONAL see Heliotropin

PISTACHIA GALLA see Gum, Mastic

PITCH, BATTERY

Pitch with good bonding qualities, dielectric properties, acid-proof, and not brittle at low temp. is used in storage battery mfr. See also Sealers, Storage Battery.

*Barrett Div, 40 Rector St, N Y 6
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind

PITCH, BREWERS'

Special type of high grade pitches, used to coat the inside of beer kegs and storage tanks, both wood and steel; must not be affected chemically by the beer; should not impart any taste or odor.

Barclay Chem Co, 75 Varick St, N Y
*Dehls & Stein, 237 South St, Newark 5, N J
N H Heyman, 424 E 91 St, N Y 28
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20

PITCH, BRIQUETTE

Coal-tar pitch, softening point about 75 to 85°C., Ring and Ball, used as a binder in making coal briquettes.

*Barrett Div, 40 Rector St, N Y 6
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Chas Page & Co, 50 E 42 St, N Y 17
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind

PITCH, BRUSHMAKERS'

*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20

PITCH, BURGUNDY

Aromatic oily resin obtained by distillation of European pine species.

DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*Glidden Co, Crestwood-Burton, Jacksonville, Fla
Hird & Conner, 88 Broad St, Boston 10, Mass
Howe & French, Mfg Dept, E Weymouth, Mass
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20
*Stevenson Bros & Co, 110 Race St, Phila 6, Pa
*West Co, 132 Library St, Chelsea 50, Mass
T C Wilson Co, 503 Market St, San Francisco 5, Cal

PITCH, CAULKING

*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
*Barrett Div, 40 Rector St, N Y 6
*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20

PITCH, COAL TAR

Dark-brown to black, solid, amorp. Sp. gr. 1.07. M.P. 60-120°C. Sol. alcohol, benzene, carbon disulfide. Uses—mfr. waterproof and acidproof paints, varnishes and roof cements, electrical insulating and roofing compositions, furnace electrodes, roofing paper, shoemakers wax, felt; water-proofing agent in construction work (concrete, stone, etc.); preserving wood; paving stone and paving roads; binder for coal dust fuels; fuel binder for cores in casting metal. Grades—tech.

*American Tar Co, Ft Wallingford Ave, Seattle 3, Wash
*Barrett Div, 40 Rector St, N Y 6
*Bethlehem Steel Co, 701 E 3 St, Bethlehem, Pa
Chematar Inc, Exchange Pl, N Y 5
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
Interlake Iron Corp, 1900 Union Commerce Bldg, Cleveland 14, Ohio
Interocean Chem & Minerals Corp, 120 Broadway, N Y 5
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Chas Page & Co, 50 E 42 St, N Y 17
*Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
Reinhart Chem Corp, 405 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Ruberoid Co, 500 5 Ave, N Y 18
Tar Residuals, 420 Lexington Ave, N Y 17
Wilson Carbon Co, 60 E 42 St, N Y 17

PITCH, COKE

From distillation of tar. Black, solid amorp. Contains 5% volatile matter. Low ash content. Sp. gr. 36 lb. 1 cu. ft. from still. Above 1 in. size, 25-30 lbs. 1 cu. ft. Below 1 in. size, 40-45 lbs. 1 cu. ft. Uses—mfr. water gas; as domestic, industrial and metallurgical fuel, carburizing steel in open hearth. Grades—tech.

*Barrett Div, 40 Rector St, N Y 6
Chematar Inc, Exchange Pl, N Y 5



*Company classifies itself as manufacturer or producer of this product

PITCH, COKE, continued

*Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
Wilson Carbon Co, 60 E 42 St, N Y 17

PITCH, CONDUIT

A coal-tar or water gas-tar pitch of special properties, prepared under carefully controlled conditions, for the impregnation of pulp or fibre tubes in the mfr. of fibre conduit. Softening point about 150°-170°F., cube-in-water method.

*Alabama Binder & Chem Corp, 630 5 Ave, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*Barrett Div, 40 Rector St, N Y 6
*Crowley Tar Products Co, 271 Madison Ave, N Y 16

PITCH, CORE

A powdered, hard, coal-tar pitch used in the production of foundry cores. Softening point about 285°-310°F., cube-in-air method.

*Alabama Binder & Chem Corp, 630 5 Ave, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*Barrett Div, 40 Rector St, N Y 6
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind

PITCH, COTTONSEED

*Alabama Binder & Chem Corp, 630 5 Ave, N Y 20
*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
*Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2, Ohio
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
James V Bibbo Co, 110 Washington St, N Y 6
*Century Stearic Acid Candle Works, 41 E 42 St, N Y 17
*Darling & Co, 4204 S Ashland Ave, Chicago 9, Ill
*Edwin R Howell, 3478 Bewick Ave, Detroit, Mich
R B Huber, 216 Tremont St, Boston 16, Mass
Jensen & McClelland, 510 N Dearborn St, Chicago 10, Ill
*Southern Cotton Oil Co, 25 Broad St, N Y 4
*Woburn Chem Corp, 1200 Harrison Ave, Kearny, N J

PITCH, GREASE-MAKERS'

A soft coal-tar pitch or heavy coal-tar used in compounding greases for heavy pinions and roll-neck bearings. Properties depend upon grease-makers formulae which may include rosin and pine-oil.

*Alabama Binder & Chem Corp, 630 5 Ave, N Y 20
*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20

PITCH, HARDWOOD

Residue from destructive distillation of hardwood. Uses—as wood preservative; disinfectant; fuel.

*Alabama Binder & Chem Corp, 630 5 Ave, N Y 20
*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
Chem Service Corp, 82 Beaver St, N Y 5
Cliffs Dow Chem Co, Wright St, Marquette, Mich
*Crossett Chem Co, Crossett, Ark
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
R B Huber, 216 Tremont St, Boston 16, Mass
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn

PITCH, INSULATING

Definition will depend upon the use in mind. Waterproofing and damp-proofing pitches are sometimes referred to as insulating pitch. Some pitches are sold for use in electrical insulation compounds and in compounds for sealing dry batteries. Properties vary with intended use.

American Firstoline Corp, 420 Lexington Ave, N Y
*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20

PITCH, LINSEED

Residue from the refining of linseed oil.

*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
*Woburn Chem Corp, 1200 Harrison Ave, Kearny, N J

PITCH, OPTICIANS'

*Barrett Div, 40 Rector St, N Y 6
Fay-Cole & Co, 71 India St, Boston, Mass
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20
*I Pomeroy Co, 26 Nicholson St, Newark 2, N J
*Shields Buying Service, 15 Moore St, N Y 4
*Stevenson Bros & Co, 110 Race St, Phila 6, Pa

PITCH, PALM

Black, solid amorp. Sp. gr. 1.045-1.050. M.P. about 95°C. Sol. benzene. Uses—mfr. varnishes; in electrical insulation; as lubricant. Grades—tech.

*Alabama Binder & Chem Corp, 630 5 Ave, N Y 20
*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
R B Huber, 216 Tremont St, Boston 16, Mass
*Woburn Chem Corp, 1200 Harrison Ave, Kearny, N J

PITCH, PINE (Pitch Prime)

Black, solid, amorp. Sp. gr. 1.105. M.P. 82°C. Sol. benzene, pyridine bases and petroleum ether. Uses—mfr. shoemaker's wax; preserving timber. Grades—prime.

*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
E W Colledge, G S A, P O Box 389, Jacksonville 1, Fla
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Glidden Co, Crestwood-Burton, Jacksonville, Fla
*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20
*Newport Industries, 230 Park Ave, N Y 17

PITCH, PRIME see Pitch, Pine

PITCH, ROOFING

A coal-tar pitch having characteristics suitable for use in built-up pitch and tarred felt roofs. Its softening point is from 140 to 150°F. by the Cube-in-Water Method. See A.S.T.M. Specifications D251-36T and D252-36T.

*Barrett Div, 40 Rector St, N Y 6
*Colorado Fuel & Iron Corp, Continental Oil Bldg, Denver, Col
*Cooper's Creek Chem Corp, 98 River Rd, W Conshohocken, Pa
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20
Chas Page & Co, 50 E 42 St, N Y 17
*Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
Rocky Mtn Supply Co, 2120 Market St, Denver, Col
Ruberoid Co, 500 5 Ave, N Y 18
J B Ruth & Co, 114 S Central Ave, Los Angeles 12, Cal

PITCH, ROSIN

*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*National Rosin Oil Products Co, 1270 Ave of the Americas, N Y 20
*Newport Industries, 230 Park Ave, N Y 17

PITCH, STEARINE

Obtained as by-product from soap and candle stock mfr., and refining of refuse greases, vegetable oils, and wool grease. Dark brown to black; bright luster. Sol. in naphtha, carbon bisulfide. Uses—mfr. of black paints and varnishes; tarred papers; printers' rolls; rubber filling agent; marine caulking; water-proofing.

*Alabama Binder & Chem Corp, 630 5 Ave, N Y 20
*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
*Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2, Ohio
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
James V Bibbo Co, 110 Washington St, N Y 6
*Century Stearic Acid Candle Works 41 E 42 St, N Y 17
*Darling & Co, 4204 S Ashland Ave, Chicago 9, Ill
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
*A Gross & Co, 295 Madison Ave, N Y
W C Hardesty Co, 41 E 42 St, N Y 17
*Edwin R Howell, 3478 Bewick Ave, Detroit, Mich
R B Huber, 126 Tremont St, Boston 16, Mass

PITCH, TALL OIL

*Alabama Binder & Chem Corp, 630 5 Ave, N Y 20
*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
*Arizona Chem Co, 30 Rockefeller Plaza, N Y 20
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Frank G Fanning, 50 E 42 St, N Y 17
*Gen Mills, Chem Div, 2 Ave S, Minneapolis, Minn
*Edwin R Howell, 3478 Bewick Ave, Detroit, Mich
R B Huber, 126 Tremont St, Boston 16, Mass
*Newport Industries, 230 Park Ave, N Y 17
*Nu-Steel Co, 1714 S Ashland Ave, Chicago 8, Ill
Republic Chem Corp, 94 Beekman St, N Y 38
Rimco Trading Corp, 3001 Netherland Ave, N Y 63
Paul W Wood Co, 350 Townsend St, San Francisco 7, Cal

PITCH, VEGETABLE

Residue from the distillation of vegetable materials. Uses—mfr. varnishes, coating tarpaulins, paper, electrical insulation. Grades—tech.

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*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
*Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2, Ohio
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Baker Castor Oil Co, 120 Broadway, N Y 5
*Century Stearic Acid Candle Works, 41 E 42 St, N Y 17
*Darling & Co, 4204 S Ashland Ave, Chicago 9, Ill
*Gen Mills, Chem Div, 400 2 Ave S, Minneapolis, Minn
*A Gross & Co, 295 Madison Ave, N Y
W C Hardesty Co, 41 E 42 St, N Y 17
*Woburn Chem Corp, 1200 Harrison Ave, Kearny, N J

PITCH, WATERPROOFING

Coal-tar pitch suitable for use in damp-proofing as a mopping coat or in the construction of built-up membrane waterproofing systems along with tarred felt or fabric. For use below ground pitch with a softening point of 110-140°F., Cube-in-Water is recommended. See A.S.T.M. Specifications D201-36T, D200-36T, D145-36T and D42-36T.

American Firstoline Corp, 420 Lexington Ave, N Y
*Barrett Div, 40 Rector St, N Y 6
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind

PITCH, WOOL

Black, solid amorp. Uses—mfr. varnishes, coating tarpaulins, paper, electrical insulation, paints, printers' rolls; in marine caulking; as waterproofing impregnating agent. Grades—tech.

Frank G Fanning, 50 E 42 St, N Y 17

PITCHBLENDE see Uranium Oxide

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American Firstoline Corp, 420 Lexington Ave, N Y
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PLANT HORMONES, continued

*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Winthrop-Stearns, 1450 Broadway, N Y 18

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PLASTICIZERS, CELLULOSE, continued

*American-British Chem Supplies, 180 Madison Ave, N Y
American Mineral Spirits Co, 155 E 44 St, N Y 17
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Celanese Corp of America, 180 Madison Ave, N Y 16
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*Hardesty Chem Co, 41 E 42 St, N Y
*Kay-Fries Chem, 180 Madison Ave, N Y 16
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Kingston Chem Co, 15 William St, N Y 5
*M Michel & Co, 90 Broad St, N Y 4
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Ohio-Apex, Nitro, W Va
Republic Chem Corp, 94 Beekman St, N Y 38
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*Ciba Co, 627 Greenwich St, N Y 14
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Kay-Fries Chem, 180 Madison Ave, N Y 16
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Paisley Products, 630 W 51 St, N Y
*Penick & Ford, 420 Lexington Ave, N Y 17
*Precision Testing Labs, P O Box 973, Worcester 1, Mass

PLASTICIZERS, LACQUER

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*American-British Chem Supplies, 180 Madison Ave, N Y
American Mineral Spirits Co, 155 E 44 St, N Y 17
W W Angus, 220 Broadway, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*Baker Castor Oil Co, 120 Broadway, N Y 5
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y 16
*Commercial Solvents Corp, 17 E 42 St, N Y 17
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*Sherwin-Williams Co, 100 Park Ave, N Y 17
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Tennessee Eastman Co, 10 E 40 St, N Y 16
*U S Industrial Chem, 60 E 42 St, N Y
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va

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*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
American Mineral Spirits Co, 155 E 44 St, N Y 17
W W Angus, 220 Broadway, N Y
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*Baker Castor Oil Co, 120 Broadway, N Y 5
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Buffalo Solvents & Chem Corp, Box 73, Sta B, Buffalo 7, N Y
C P Chem Solvents, 80 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y 16
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Deecy Products Co, 120 Potter St, Cambridge 42, Mass
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*Hardesty Chem Co, 41 E 42 St, N Y
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Kingston Chem Co, 15 William St, N Y 5
*M Michel & Co, 90 Broad St, N Y 4
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Ohio-Apex, Nitro, W Va
Philipp Bros Chem, 37 Wall St, N Y
Plastichemicals Co, 1 Beekman St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Sherwin-Williams Co, 100 Park Ave, N Y 17
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*Tennessee Eastman Co, 10 E 40 St, N Y 16
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cyanoacetic acid
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methyl cyanoacetate
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diphenylacetic acid
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methyl formate
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American Mineral Spirits Co, 155 E 44 St, N Y 17
*Argus Chem Lab, 56 Clifton Pl, Bklyn 5, N Y
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*Baker Castor Oil Co, 120 Broadway, N Y 5
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y 15
*Commercial Solvents Corp, 17 E 42 St, N Y 17
De Bear Inc, 636 11 Ave, N Y 19
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*Dow Chem Co, Midland, Mich
*El Dorado Oil Works, 311 California Ave, San Francisco 4, Cal
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Hardesty Chem Co, 41 E 42 St, N Y
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
Indoil Chem Co, 910 S Michigan Ave, Chicago 80, Ill
*Kay-Fries Chem, 180 Madison Ave, N Y 16
J A Kendall, 714 Second National Bldg, Akron 8, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Louisiana Pine Products Co, P O Box 814, Alexandria 4, La
*M Michel & Co, 90 Broad St, N Y 4
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Ohio-Apex, Nitro, W Va
*C J Osborn Co, 132 Nassau St, N Y
*Pan American Refining Corp, 122 E 42 St, N Y 17
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
Philipp Bros Chem, 37 Wall St, N Y
*Rubber Corp of America, 274 Ten Eyck St, Bklyn 6, N Y
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*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*American-British Chem Supplies, 180 Madison Ave, N Y
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*Baker Castor Oil Co, 120 Broadway, N Y 5
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
*Calco Chem Div, Bound Brook, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y 16
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Deecy Products Co, 120 Potter St, Cambridge 42, Mass
DeMert & Dougherty, 3001 W 47 St, Chciago 32, Ill
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*Dow Corning Corp, Midland, Mich
*E F Drew & Co, 15 E 26 St, N Y 10
*Gen Electric, Pittsfield, Mass
R W Greff Co, 10 Rockefeller Plaza, N Y 20
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Hardesty Chem Co, 41 E 42 St, N Y
*Harsyd Chem, Holland, Mich
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*J M Huber Corp, 100 Park Ave, N Y 17
R B Huber, 126 Tremont St, Boston 16, Mass
Indoil Chem Co, 910 S Michigan Ave, Chicago 80, Ill
*Kay-Fries Chem, 180 Madison Ave, N Y 16
J A Kendall, 714 Second National Bldg, Akron 8, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Kingston Chem Co, 15 William St, N Y 5
*Naugatuck Chem, Naugatuck, Conn
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Ohio-Apex, Nitro, W Va
*Pan American Refining Corp, 122 E 42 St, N Y 17
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
Philipp Bros Chem, 37 Wall St, N Y
Plastichemicals Co, 1 Beekman St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
*Sharples Chem, 123 S Broad St, Phila 9, Pa
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Thickol Corp, 780 N Clinton Ave, Trenton 7, N J
R T Vanderbilt Co, 230 Park Ave, N Y
*Witco Chem Co, 295 Madison Ave, N Y 17

PLASTICIZERS, STARCH

*Baker Castor Oil Co, 120 Broadway, N Y 5
*Celanese Corp of America, 180 Madison Ave, N Y 16
*Ciba Co, 627 Greenwich St, N Y 14
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Penick & Ford, 420 Lexington Ave, N Y 17

PLASTICIZERS, VINYL

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*American Polymer Corp, 101 Foster St, Peabody, Mass
Amsco Solvents & Chem Co, 4619 Reading Road, Cincinnati 29, Ohio
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Baker Castor Oil Co, 120 Broadway, N Y 5
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
Binney & Smith Co, 41 E 42 St, N Y 17
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y 16
*Commercial Solvents Corp, 17 E 42 St, N Y 17
De Bear Inc, 636 11 Ave, N Y 19
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*Dow Chem Co, Midland, Mich
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Hardesty Chem Co, 41 E 42 St, N Y
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
J A Kendall, 714 Second National Bldg, Akron 8, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Kingston Chem Co, 15 William St, N Y 5
*Mathe Chem Co, 169 Milbank St, Lodi, N J
*M Michel & Co, 90 Broad St, N Y 4
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Ohio-Apex, Nitro, W Va
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L D Peters & Sons, 1133 Broadway, N Y 10
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H N Richards Co, 1475 Prospect St, Trenton 8, N J
*Rubber Corp of America, 274 Ten Eyck St, Bklyn 6, N Y
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Tennessee Eastman Co, 10 E 40 St, N Y 16
C L Zimmerman Co, N-204 Cincinnati Union Terminal, Cincinnati 3, Ohio

PLATINIC CHLORIDE see Acid, Chloroplatinic

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*Anaconda Copper Mining Co, 25 Broadway, N Y 4
*Baker & Co, 113 Astor St, Newark 5, N J
Fleischman, Burd & Co, 22 W 48 St, N Y 19
*T B Hagstoz & Son, 709 Sansom St, Phila 6, Pa

PLATINUM CHLORIDE see Acid, Chloroplatinic

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Amend Drug & Chem Co, 117-119 E 24 St, N Y
*Baker & Co, 113 Astor St, Newark 5, N J
City Chem Corp, 132 W 22 St, N Y 11
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

PLUMBAGO see Graphite

PLUMBIC OXIDE see Lead Oxide, Red

PLUMBO see Lead Oxide, Red

PLUMBOUS ACETATE see Lead Acetate

PLUMBOUS ARSENATE see Lead Arsenate

PLUMBOUS BORATE see Lead Borate

PLUMBOUS CHLORIDE see Lead Chloride

PLUMBOUS CHROMATE see Lead Chromate

PLUMBOUS FLUORIDE see Lead Fluoride

PLUMBOUS IODIDE see Lead Iodide

PLUMBOUS LINOLEATE see Lead Linoleate

PLUMBOUS NITRATE see Lead Nitrate

PLUMBOUS OLEATE see Lead Oleate

PLUMBOUS OXIDE see Lead Oxide, Yellow

PLUMBOUS RESINATE see Lead Resinate

PLUMBOUS STIBNATE see Lead Antimoniate

PLUMBOUS THIOSULFATE see Lead Hyposulfite

PLUMBOUS TUNGSTATE see Lead Tungstate

POLISH, BRASS

*Colonial Chem Co, 4014 28 St S W, Seattle, Wash
Curley Co, 1432 N Randolph St, Phila 22, Pa
*Imperial Products Co, 1600 Fountain St, Phila, Pa
*Nu-Steel Co, 1714 S Ashland Ave, Chicago 8, Ill
*Old Empire Mfg Chemists, 31-33 Coes Pl, Newark 2, N J
*Pingo Co, 79 Sudbury St, Boston 14, Mass

POLISH, FLOOR

*Armstrong Cork Co, Liberty & Mary Sts, Lancaster, Pa
*Buckingham Wax Co, 51-03 Van Dam St, L I C, N Y
*Columbia Wax Co, 530 Riverdale Dr, Glendale 4, Cal
Curley Co, 1432 N Randolph St, Phila 22, Pa
*Excelsior Varnish Works, 1219 W 74 St, Cleveland 2, Ohio
*Fuld Bros, 702 S Wolfe St, Baltimore 31, Md
*Huntington Labs, Huntington, Ind
*Pingo Co, 79 Sudbury St, Boston 14, Mass
*Science Industries, 609-15 Geyer Ave, St Louis 4, Mo
*Twin City Shellac Co, 340 Flushing Ave, Bklyn, N Y
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
*Uncle Sam Chem Co, 575 W 131 St, N Y 27

POLISH, FURNITURE

*Barco Chem Products Co, 701 S LaSalle St, Chicago, Ill
*Colonial Chem Co, 4014 28 St S W, Seattle, Wash
Curley Co, 1432 N Randolph St, Phila 22, Pa
Dakoline Chem Co, 357 Atlantic Ave, Bklyn, N Y
*Grand Rapids Wood Finishing Co, 53-71 Grandmille Ave S W, Grand Rapids 2, Mich
*Imperial Products Co, 1600 Fountain St, Phila, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Twin City Shellac Co, 340 Flushing Ave, Bklyn 5, N Y
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
*Uncle Sam Chem Co, 575 W 131 St, N Y 27

POLISH, GLASS

*Chem Specialties, 29 E Madison St, Chicago, Ill
Curley Co, 1432 N Randolph St, Phila 22, Pa
*Golwynne Chem Corp, 420 Lexington Ave, N Y 17
*Lindsay Light & Chem Co, 258 Ann St, W Chicago, Ill
*Twin City Shellac Co, 340 Flushing Ave, Bklyn 5, N Y
*Ultra Chem Works, 2 Wood St, Paterson 4, N J

POLISH, METAL

*Barco Chem Products Co, 701 S LaSalle St, Chicago, Ill
*Buckingham Wax Co, 51-03 Van Dam St, L I C, N Y
Curley Co, 1432 N Randolph St, Phila 22, Pa
Donald Sales & Mfg Co, 6601 W State St, Milwaukee 13, Wis
*E F Drew & Co, 15 E 26 St, N Y 10
*Fuld Bros, 702 S Wolfe St, Baltimore 31, Md
*Harrison & Co, 487 Groveland St, Haverhill, Mass
*Nu-Steel Co, 1714 S Ashland Ave, Chicago 8, Ill
*Park Chem Co, 8074 Military Ave, Detroit, Mich
*Pingo Co, 79 Sudbury St, Boston 14, Mass
*Rodgers Labs, 4135 S 6 St, Milwaukee 15, Wis
*Twin City Shellac Co, 340 Flushing Ave, Bklyn 5, N Y
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
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*Harrison & Co, 487 Groveland St, Haverhill, Mass
*Linick Chem Co, 29 E Madison St, Chicago, Ill
*Twin City Shellac Co, 340 Flushing Ave, Bklyn 5, N Y

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*K & L Chem Co, 1052 W 78 St, Chicago 20, Ill
*Park Chem Co, 8074 Military Ave, Detroit, Mich

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*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Enjay Co, 15 W 51 St, N Y 19
R B Huber, 126 Tremont St, Boston 16, Mass
Indoil Chem Co, 910 S Michigan Ave, Chicago 80, Ill
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American Pyroxylin Corp, P O Box 193, Arlington, N J
*Bakelite Co, 30 E 42 St, N Y 17
A Bamberger Corp, 703 Bedford Ave, Bklyn 6, N Y
*Paul Blum Co, 313-319 Larkin St, Buffalo 10, N Y
*I N Breetwor & Associates, 4005 Wilshire Blvd, Los Angeles, Cal
*E I Du Pont de Nemours & Co, Film Dept & Polychem Dept, Wilmington 98, Del
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Alan D Oppenheimer, 578 Exchange St, Buffalo 10, N Y
Plastichemicals Co, 1 Beekman St, N Y 38
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I D Talve Trading Co, 305 Broadway, N Y

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*Alrose Chem Co, 180 Mill St, Cranston 5, R I
W W Angus, 220 Broadway, N Y
Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
W C Hardesty Co, 41 E 42 St, N Y 17
*A Harrison & Co, P O Box 494, Pawtucket, R I
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa

POLYETHYLENE GLYCOL OLEATE, continued

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*Riverdale Chem Co, 324 E 147 St, Harvey, Ill

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W W Angus, 220 Broadway, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
W C Hardesty Co, 41 E 42 St, N Y 17
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
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POLYGLYCOL, continued

*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

POLYISOBUTYLENES see Polybutenes

3290
Advance Solvents & Chem Corp, 245 5 Ave, N Y 16

POLYMERS see advertisements on this page and individual listings

POLYOXYETHYLENE ESTERS

*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa

POLYXYETHYLENE ESTERS, continued

Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Riverdale Chem Co, 324 E 147 St, Harvey, Ill
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J

POLYPENTAERYTHRITOL

White powd. Mixture of tripentaerythritol and higher polypentaerythritols. Uses—mfr. of varnishes, alkyd and hard resins, synth. drying oils.

*Trojan Powder Co, 17 N 7 St, Allentown, Pa

POLYPROPYLENE GLYCOLS

A series of polypropylene glycols of different M.W. Uses—in the synthesis of pharmaceuticals; as a plasticizer; humectant solvent.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich

POLYSTYRENE

$(C_8H_8)X$. Softening point—various, according to degree of polymerization. Color—light yellow to water-white. Solubility—sol. in aromatic hydrocarbons. Chlorinated hydrocarbons and esters. Resin characteristics—thermoplastic. Molds under pressure at temps. of 150-200°C Very low water absorption. High dielectric value. High mechanical strength. Modifications—sometimes modified with plasticizers or fillers. Uses—molding by injection, extrusion or casting. Impregnation of electrical coils. Lamination of fabrics. Bonding of abrasive wheels. Surface finishes.

Allied Raw Materials, 38 Park Row, N Y 7
*American Molding Powder & Chem Corp, 703 Bedford Ave, Bklyn 6, N Y
*American Polymer Corp, 101 Foster St, Peabody, Mass
American Pyroxylin Corp, P O Box 193, Arlington, N J
Amplex Co, 60 Wall St, N Y
A Bamberger Corp, 703 Bedford Ave, Bklyn 6, N Y
*Paul Blum Co, 313-319 Larkin St, Buffalo 10, N Y
F M Browning Co, 150 Broadway, N Y 38
Chematar Inc, Exchange Pl, N Y 5
De Bear Inc, 636 11 Ave, N Y 19
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*Dow Chem Co, Midland, Mich
Dyechem Products Corp, 60 Broad St, N Y 4
Fallek Products Co, 163 Broadway, N Y 6
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
International Selling Corp, 70 Pine St, N Y 5
*Monsanto Chem Co, Plastics Div, Springfield, Mass
Chas Page & Co, 50 E 42 St, N Y 17
Plastichemicals Co, 1 Beekman St, N Y 38
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
I D Talve Trading Co, 305 Broadway, N Y
United Sterling Corp, 37 E 28 St, N Y

POLYTHENES see Polyethylene

POLYVINYL ACETATE

$(CH_3CHOOCCH_3)$. Colorless, odorless, tasteless, transparent, synth. resin. Thermoplastic. Dens. 1.189 (15°C.). Insol. water, gasoline, oils, fats. Sol. lower alcohols and esters, benzene, chlorinated hydrocarbons, ketones. Water-emulsion stable. Uses—in protective,

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Chemical Division, PITTSBURGH 19, PA.

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POLYVINYL ACETATE, continued

wear-resistant films and coatings; as a size or stiffener for specialty paper; in heat-sealing and solvent-activated adhesives; in lacquers, paints, gravure and emulsion-type printing inks. Grades—solid resin in low, medium, and high viscosities; water emulsions and solutions in organic solvents—low and high viscosity.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*American Polymer Corp, 101 Foster St, Peabody, Mass
Amplex Co, 60 Wall St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
L D Peters & Sons, 1133 Broadway, N Y 10
Schibley & Ossmann, 33 Public Sq, Cleveland, Ohio
*Shawinigan Products Corp, 350 5 Ave, N Y 1
*Shawinigan Resins Corp, 644 Monsanto Ave, Springfield 2, Mass
United Sterling Corp, 37 E 28 St, N Y

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POLYVINYL ACETATE EMULSION

Properties can be modified by adding plasticizers and other materials. Uses—adhesives for bonding variety of materials; replacement of rubber latex emulsions in some cases.

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
American-British Chem Supplies, 180 Madison Ave, N Y
*American Polymer Corp, 101 Foster St, Peabody, Mass
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
Arabol Mfg Co, 110 E 42 St, N Y 17
*Borden Co, 350 Madison Ave, N Y 17
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Hukill Chem Corp, 2533 Broadway, Cleveland 13, Ohio
*Mathe Chem Co, 169 Milbank St, Lodi, N J
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Paisley Products, 630 W 51 St, N Y
L D Peters & Sons, 1133 Broadway, N Y 10
*Shawinigan Products Corp, 350 5 Ave, N Y 1
*Shawinigan Resins Corp, 644 Monsanto Ave, Springfield 2, Mass
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Warwick Chem Co Div, Wood River Junction, R I

POLYVINYL BUTYRAL

$[CH_2CHOCH(C_3H_7)OCHCH_2]_n$. M.W. 34,000. Colorless, odorless, thermoplastic, synth. resin with good film stability. Sol. alcohols, ketones, esters and aromatic hydrocarbons. Insol. water, aliphatic hydrocarbons, animal, mineral, and vegetable oils. Uses—standard interlayer material for safety glass, in textile coatings and finishing, as adhesives including pressure-sensitive tapes.

American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
*Monsanto Chem Co, Plastics Div, Springfield, Mass
Shapiro & Novick, 60 Broad St, N Y 4
*Shawinigan Products Corp, 350 5 Ave, N Y 1
*Shawinigan Resins Corp, 644 Monsanto Ave, Springfield 2, Mass

POLYVINYL CHLORIDE (Polychloroethylene, Polychloroethane)

$(CH_2CHCl)x$. Wide range of thermoplastic synth. resins made from HCl and acetylene. Uses—in making plastic materials ranging from soft gels or rubber-like materials to hard, horny solids.

American Firstoline Corp, 420 Lexington Ave, N Y
*American Molding Powder & Chem Corp, 703 Bedford Ave, Bklyn 6, N Y
*Bakelite Co Div, 30 E 42 St, N Y 17
Barclay Chem Co, 75 Varick St, N Y
*Dow Chem Co, Midland, Mich
*Firestone Tire & Rubber Co, P O Box 690, Pottstown, Pa
*Monsanto Chem Co, Plastics Div, Springfield, Mass
*Nixon Nitration Works, Nixon, N J
Plastichemicals Co, 1 Beekman St, N Y 38
Shapiro & Novick, 60 Broad St, N Y 4
*US Rubber Co, 1230 Ave of Americas, N Y
United Sterling Corp, 37 E 28 St, N Y

POLYVINYL FORMAL

$(CH_2CHOCH_2OCHCH_2)_n$ M.W. 12,500. Thermoplastic, light straw-colored synth. resin with good film stability. Sol. dioxan, ethylene dichloride. Insol. water, lower alcohols and esters, glycols, ethers, and toluene. Uses—coating of magnet wire; in adhesives, high-impact moldings.

*Shawinigan Products Corp, 350 5 Ave, N Y 1
*Shawinigan Resins Corp, 644 Monsanto Ave, Springfield 2, Mass

POLYVINYLIDENE CHLORIDE

The chief commercial copolymer is a vinylidene chloride-vinyl chloride copolymer, about 92% vinylidene chloride. Odorless, tasteless, transparent, thermoplastic. Insol. water and practically all chemicals. Uses—in molded objects where chemical resistance is required; extrusions for monofilament fabrics.

*Dow Chem Co, Midland, Mich

PONDEROUS MAGNESIA see Magnesium Oxide

PORCELAIN CLAY see Clays, China

PORCELAIN EARTH see Clays, China

POTASH see Potassium Carbonate

POTASH, WATER-GLASS see Potassium Silicate

POTASSA see Potassium Hydroxide

POTASSA SULPHURATED, socalled "POTASSIUM SULPHIDE" see Liver of Sulfur

POTASSIUM (Kalium)

K. Soft, silvery metal. Decomposing water, explosively. Sp. gr. 0.8621. M.P. 62.5°C. B.P. 757.5°C. Sol. alcohol, mercury acids. Uses—as laboratory reagent. Grades—tech.

*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del

POTASSIUM ACETATE (Diuretic Salt)

$KC_2H_3O_2$. White, hygroscopic, crystalline powd. Sp. gr. 1.8. M.P. 292°C. Sol. water, alcohol. Uses—mfr. acetone, pharmaceutical derivatives, cryst. glass; dehydrating agent in chemical processes; laboratory reagent; in medicine. Grades—U.S.P. recrystallized; C.P.; reagent; pure; pure fusod.

*Adams-Henry Chem Co, 32 Broadway, N Y 4
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

POTASSIUM ACETATE, continued

*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

POTASSIUM ACID CARBONATE see Potassium Bicarbonate

POTASSIUM ACID FLUORIDE (Potassium Bifluoride)

KF.HF. M.W. 78.1. Colorless crystals. Sol. water. Uses—as an antiseptic; in etching of glass.

*Baker & Adamson Products, 40 Rector St, N Y
Faesy & Besthoff, 325 Spring St, N Y 13
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Merchants Chem Co, 60 E 42 St, N Y 17
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Henry Sundheimer Co, 103 Park Ave, N Y 17

POTASSIUM ACID OXALATE see Potassium Binoxalate

POTASSIUM ACID SULFATE see Potassium Bisulfate

POTASSIUM ACID SULFITE see Potassium Bisulfite

POTASSIUM ACID TARTRATE see Potassium Bitartrate

POTASSIUM ALGINATE (Potassium Polymannuronate)—see also Algin

$(C_6H_7O_6K)x$. M.W. not determined. Cream-colored powd. Uses—hydrophilic colloid in dental impression gel compounds, eye impression materials, various prosthetic uses.

*Algin Corp of America, 24 State St, N Y 4
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Kelco Co, 31 Nassau St, N Y 5

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POTASSIUM AMINOACETATE see Phenyl Glycine, Potassium Salt

POTASSIUM ARSENATE (Macquer's Salt)

KH_2AsO_4. M.W. 180.05. Colorless cryst. Sp. gr. 2.867. Sol. water. Uses—mfr. fly paper, insecticidal preps.; as laboratory reagent; preserving hides; printing textiles.

*J T Baker Chem Co, Phillipsburg, N J

POTASSIUM AURICHLORIDE see Gold Potassium Chloride

POTASSIUM BIBORATE see Potassium Borate

POTASSIUM BICARBONATE (Potassium Acid Carbonate)

$KHCO_3$. Colorless, transparent, odorless cryst. Sp. gr. 2.17. M.P. decomp. at 100-200°C. Sol. water, and potassium carbonate solution. Uses—mfr. potassium carbonate, potassium salts, baked products, baking powds., candies, confectionery; reagent in making chemicals; in medicine. Grades—U.S.P.; C.P.; commercial cryst., powd.

American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Conray Products, 510 6 Ave, N Y 11
T G Cooper & Co, 2400 E Venango St, Phila 34, Pa
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Industrial Raw Materials Corp, 575 Madison Ave, N Y 22
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
Mutchler Chem Co, 258 Broadway, N Y 7
Chas Page & Co, 50 E 42 St, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38

POTASSIUM BICHROMATE (Potassium Dichromate, Red Potassium Chromate)

$K_2Cr_2O_7$. Yellowish-red cryst. Sp. gr. 2.692. M.P. 396°C. B.P. decomposes at 500°C. Sol. water. Uses—mfr. alkaline chlorates, organic and inorganic chemicals, intermediates, poison fly paper, aniline violet, coal-tar products, glass, glues, adhesives, synth. perfumes, dry colors, printing inks, alizarine, chrome alum, ceramics, linoleum, oil-cloth, paints, varnishes, bichromate electric batteries, matches, match striking and pyrotechnic compositions, nitroglycerine explosives, chrome pigments, blue print paper; as general oxidizing and general bleaching agents; discharge, photographic, and laboratory reagents; reagent in dyeing and printing textiles; engraving and other printing purposes; chrome tanning leather; staining wood; bleaching fats, oils, resins and waxes; refining oil and tallow; electroplating; brass pickling; in medicine. Grades—tech.; U.S.P.; powdered; fused; reagent.

American-British Chem Supplies, 180 Madison Ave, N Y
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
American Quinine Co, 15 William St, N Y
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
J H Bauminger, 421 7 Ave, N Y
F M Browning Co, 150 Broadway, N Y 38
Castle Color & Chem Co, 24 W 45 St, N Y 17
Chematar Inc, Exchange Pl, N Y 5
Chem Mfg Co, 21 West St, N Y 6
Chem Service Corp, 82 Beaver St, N Y 5
C B Coburn Co, 63 Market St, Lowell, Mass
Cole Labs, 42-25 9 St, L I C 1, N Y
Conray Products 510 6 Ave, N Y 11
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Faesy & Besthoff, 325 Spring St, N Y 13
Fallek Products Co, 163 Broadway, N Y 6
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
M W Hardy & Co, 141 Broadway, N Y 6
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Hooper Chem Corp, Box 313, Rutherford, N J
*Howe & French, Mfg Dept, E Weymouth, Mass
Philip A Hunt Co, Palisades Park, N J
Innis, Speiden & Co, 117 Liberty St, N Y 6
E & F King & Co, 640 Pleasant St, Norwood, Mass
Kingston Chem Co, 15 William St, N Y 5
L J & M La Place, Leliarts Lane, E Paterson, N J
John D Lewis, 68 Traverse St, Providence 1, R I
*Mallinckrodt Chem 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
Merchants Chem Co, 60 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
*Mutual Chem Co of America, 270 Madison Ave, N Y 16
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*Natural Products Refining Co, 901-910 Garfield Ave, Jersey City 5, N J
Chas Page & Co, 50 E 42 St, N Y 17
Prime Products Corp, 62 William St, N Y 5
Products Trading Corp, 1775 Broadway, N Y 19
Republic Chem Corp, 94 Beekman St, N Y 38
Scher Bros, 519 Getty Ave, Clifton, N J
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Seaboard Industries, 195 Keen St, Paterson, N J
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
H D Sheldon & Co, 104 5 Ave, N Y
Shepard Chem Corp, 117 Liberty St, N Y 6
Siegel Chem Co, 1 Hanson Pl, Bkln 17, N Y
Spring Chem, 239 E 141 St, N Y 51
J U Starkweather Co, 241 Allens Ave, Providence, R I
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Jos Turner & Co, Ridgefield, N J
George Uhe Co, 76 9 Ave, N Y 14
Witco Chem Co, 295 Madison Ave, N Y 17

POTASSIUM BIFLUORIDE see Potassium Acid Fluoride

POTASSIUM BIIODATE

*City Chem Corp, 132 W 22 St, N Y 11
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

POTASSIUM BINOXALATE (Potassium Acid Oxalate, Salt of Sorrel, Essential Salt of Lemon, Sal Acetosella)

KHC_2O_4. White, solid, hygroscopic crystalline. Sp. gr. 2.088 (anhydrous). Decomp. on heating. Sol. water. Uses—cleaning and scouring metals and wood; ink stain remover; photographical purposes; bleaching straw. Grades—tech.; C.P.

*J T Baker Chem Co, Phillipsburg, N J
*City Chem Corp, 132 W 22 St, N Y 11
Sterone Corp, 250 W 57 St, N Y 19

POTASSIUM BISMUTH TARTRATE

$KBiC_4H_2O_6.4H_2O$. A granular white powd., sol. in water and used as antiluetic.

*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

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Para-dichlorobenzene

*Company classifies itself as manufacturer or producer of this product

POTASSIUM BISULFATE (Potassium Acid Sulfate, Sal Enixium)

$KHSO_4$. M.W. 136.17°. Colorless, deliq. cryst. Sp. gr. 2.245. M.P. 210°C. B.P. decomp. Sol. water; decomp. by alcohol. Uses—mfr. cream of tartar, anisol, intermediates, organic chemicals; flux in metallurgy; food preservative. Grades—commercial; reagent; fused; highest purity; medicinal.

*J T Baker Chem Co, Phillipsburg, N J
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6

POTASSIUM BISULFITE (Potassium Acid Sulfite)

$KHSO_3$. White, crystalline powd., sulfur dioxide odor. Decomp. on heating. Sol. water; insol. alcohol. Uses—mfr. sodium hydrosulfite, inorganic chemicals: bleaching, dyeing and printing textiles; bleaching tannin extracts and straw; solubilizing dyestuffs; tanning leather; reducing agent in making organic chemicals and intermediates; general antiseptic and cleansing agent; laboratory reagent. Grades—commercial; reagent; highest purity; medicinal.

J T Baker Chem Co, Phillipsburg, N J
Philip A Hunt Co, Palisades Park, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

POTASSIUM m-BISULFITE (Potassium Pyrosulfite)

$K_2S_2O_5$. White, crystalline crusts. Decomp. on heating. Sl. sol. water. Uses—mfr. sulfurous acid for chemical purposes; antiseptic and preservative of foods, etc.; photographic developer; laboratory reagent; assistant in dyeing and printing textile fabrics; engraving and lithography; in brewing; in medicine. Grades—cryst.; powd.; C.P.; tech.

F M Browning Co, 150 Broadway, N Y 38
*Dow Chem Co, Midland, Mich
Fallek Products Co, 163 Broadway, N Y 6
N H Heyman, 244 E 91 St, N Y 28
Philip A Hunt Co, Palisades Park, N J
*Hunt Chem Works, 271 Russell St, Bklyn 22, N Y
Maas Chem Co, 4570 Ardine St, 5 Gate, Cal
Mutchler Chem Co, 258 Broadway, N Y 7
Republic Chem Corp, 94 Beekman St, N Y 38
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

POTASSIUM BITARTRATE (Cream of Tartar, Potassium Acid Tartrate, Depurated Tartar)

$KHC_4H_4O_6$. White, solid cryst. Sp. gr. 1.956. Decomp. on heating. Sol. water; sl. sol. alcohol. Uses—mfr. baking powd.; in cooking; metal coloring; contact tinning; in medicine. Grades—tech.; C.P.; U.S.P.; crude (see Argols).

J T Baker Chem Co, Phillipsburg, N J
Conray Products, 510 6 Ave, N Y 11
*T M Duche & Sons, 117-119 Hudson St, N Y 13
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Herbert Marmorek & Son, 2153 78 St, Bklyn 14, N Y
McKesson & Robbins, 155 E 44 St, N Y 17
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
*Shell Chem Corp, 50 W 50 St, N Y 20
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
*F H Taussig Chem, 175 W 76 St, N Y 23
George Uhe Co, 76 9 Ave, N Y 14

POTASSIUM BORATE (Potassium Biborate, Potassium Tetraborate)

$K_2B_4O_7 + 5H_2O$. M.W. 323.88. White crystalline powd.

Amend Drug & Chem Co, 117-119 E 24 St, N Y

POTASSIUM BORATE, continued

*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Sterling Borax Co, Box 217, New Brighton, Pa

POTASSIUM BROMATE

$KBrO_3$. M.W. 167.02. White crystalline powd. Sp. gr. 3.27. Decomp. at 370°C. Sol. water, alcohol, ether. Uses—laboratory reagent. Grades—tech.; pure; C.P.; U.S.P.

J T Baker Chem Co, Phillipsburg, N J
*Dow Chem Co, Midland, Mich
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
Republic Chem Corp, 94 Beekman St, N Y 38

POTASSIUM BROMIDE

KBr. M.W. 119.02. White regular, hygroscopic cryst. or powd. Sp. gr. 2.68 (15°C.). M.P. 780°C. B.P. 1380°C. Sol. water; sl. sol. alcohol, ether. Uses—mfr. photographic emulsions, soap; engraving and lithography; in medicine. Grades—U.S.P.; C.P.; cryst.; granular; powd.

American Roland Corp, 16 Hudson St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Dow Chem Co, Midland, Mich
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Philip A Hunt Co, Palisades Park, N J
*H Kohnstamm & Co, 81 Park Pl, N Y 7
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
Mutchler Chem Co, 258 Broadway, N Y 7
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Prior Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Shell Chem Corp, 50 W 50 St, N Y 20
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Spring Chem, 239 E 141 St, N Y 51
Jos Turner & Co, Ridgefield, N J
George Uhe Co, 76 9 Ave, N Y 14

POTASSIUM CARBONATE (Salts of Tartar, Pearl Ash, American Ashes, Fixed Nitre, Potash, Salts of Wormwood)

K_2CO_3. White, deliq. powd. Sp. gr. 2.3312 (17°C). M.P. 896°C. Decomp. on further heating. Sol. water. Uses—mfr. potassium salts, oxalic acid, potassium cyanide, inorganic chemicals, glass, mineral waters, food and perfume preps., soft soaps, toilet articles, ceramics, blue-print paper, dry colors, printing inks, explosives, explosive compositions, fertilizers; dehydrating agent; brewing beer; washing textiles, wool and silk; bleaching and dyeing textiles; engraving and lithography; electroplating reagent; tanning leather; in medicine. Grades—calcined 80-85%, 85-90%, 90-95%, 96-98%; hydrated 80-85%; U.S.P.; reagent.

Adams-Henry Chem Co, 32 Broadway, N Y 4
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
Amplex Co, 80 Wall St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
F M Browning Co, 150 Broadway, N Y 38
Chematar Inc, Exchange Pl, N Y 5
Chem Mfg Co, 21 West St, N Y

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Solid—90/92%

Liquid—45%

Liquid—Low Chloride

Also Broken, Crushed and American Selected Walnut

• CARBONATE OF POTASH

Hydrated—83/85%

Calcined—99%

Liquid—47%

• FERRIC CHLORIDE

Industrial and Sewage Grades, 60% $FeCl_3$

• CHLORPICRIN (Larvacide)

Fumigant and Insecticide

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for CARBONATE OF POTASH
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NIALK Caustic Soda • NIALK Paradichlorobenzene • NIALK TRICHLORethylene
NIAGATHAL* (Tetrachloro Phthalic Anhydride) *Trade-mark

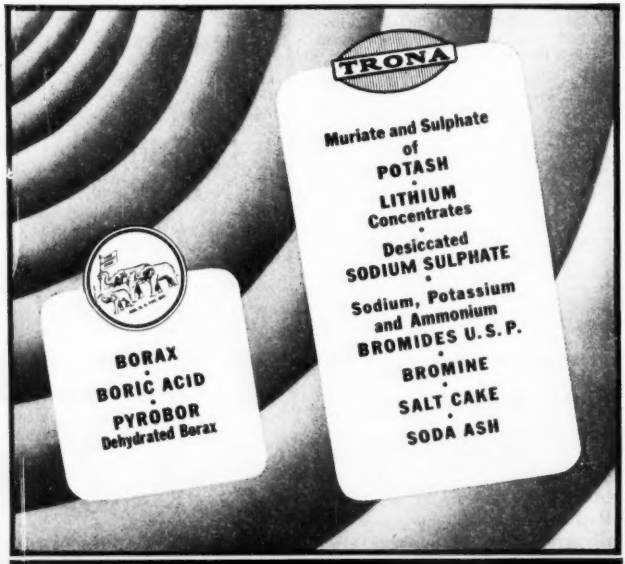
*Company classifies itself as manufacturer or producer of this product

POTASSIUM CARBONATE
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POTASSIUM CHLORATE
POTASSIUM PERCHLORATE

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POTASSIUM PERCHLORATES
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214 WALTON BUILDING, ATLANTA 3, GEORGIA
3030 WEST SIXTH STREET, LOS ANGELES 54, CALIF.

POTASSIUM CARBONATE, continued

Chem Service Corp, 82 Beaver St, N Y 5
City Chem Corp, 132 W 22 St, N Y 11
John A Chew, 60 E 42 St, N Y 17
Duff Chem Co, 342 Madison Ave, N Y 17
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
Fallek Products Co, 163 Broadway, N Y 6
Frank G Fanning, 50 E 42 St, N Y 17
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Philip A Hunt Co, Palisades Park, N J
Innis, Speiden & Co, 117 Liberty St, N Y 6
International Selling Corp, 70 Pine St, N Y 5
Kingston Chem Co, 15 William St, N Y 5
*H Kohnstamm & Co, 83 Park Pl, N Y 7
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Legion Chem, 70 Wall St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*Niagara Alkali Co, 60 E 42 St, N Y 17
Chas Page & Co, 50 E 42 St, N Y 17
Prentiss Drug & Chem Co, 110 William St, N Y 38
Prior Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Seaboard Industries, 195 Keen St, Paterson, N J
H D Sheldon & Co, 104 5 Ave, N Y
George F Smith, 60 E 42 St, N Y 17
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
*Solvay Sales Div, 40 Rector St, N Y 6
J U Starkweather Co, 241 Allens Ave, Providence, R I
I D Talve Trading Co, 305 Broadway, N Y
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Jos Turner & Co, Ridgefield, N J
George Uhe Co, 76 9 Ave, N Y 14
United Sterling Corp, 37 E 28 St, N Y
Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Welch, Holme & Clark Co, 439 West St, N Y 14
Witco Chem Co, 295 Madison Ave, N Y 17

POTASSIUM CHLORATE (Potassium Oxymuriate, Potassii Chloras)

$KClO_3$. M.W. 122.56. Colorless, odorless, lustrous cryst. Sp. gr. 2.337. M.P. 368.4. Decomp. at 400°C. Sol. water, alkalies; sl. sol. alcohol. Uses—mfr. chlorate explosives, safety matches; pyrotechnic compositions, ammunition, paper, dry colors, printing inks, dyestuffs, alizarine; oxidizing agent in chemical processes; assistant in dyeing and printing fabrics; general disinfectant; agent in acid proofing; in medicine. Grades—U.S.P.; C.P.; tech.; crys.; powd.; also special pyrotechnic powds.

American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Battelle & Renwick 55 Liberty St, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
Conray Products, 510 6 Ave, N Y 11
Croton Chem Corp, 114 Liberty St, N Y 6
Duff Chem Co, 342 Madison Ave, N Y 17
Faesy & Besthoff, 325 Spring St, N Y 13
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Hummel Chem Co, 90 West St, N Y 6
Innis, Speiden & Co, 117 Liberty St, N Y 6
International Selling Corp, 70 Pine St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
Mutchler Chem Co, 258 Broadway, N Y 7
*Oldbury Electro Chem Co, 19 Rector St, N Y 6
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Shepard Chem Corp, 117 Liberty St, N Y 6
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Jos Turner & Co, Ridgefield, N J
George Uhe Co, 76 9 Ave, N Y 14
Witco Chem Co, 295 Madison Ave, N Y 17

POTASSIUM CHLORAURATE see Gold Potassium Chloride

POTASSIUM CHLORIDE (Sylvite)

KCl. M.W. 74.56. Colorless, cubic crystalline granules or powd. Sol. in water, alcohol, and alkalies. Sp. gr. 1.988. M.P. 790°C. B.P. 1500°C. Grades—reagent (C.P.), N.F., tech. Uses—analytical.

American Firstoline Corp, 420 Lexington Ave, N Y
*American Potash & Chem Co, 122 E 42 St, N Y 17
*H J Baker & Bros, 271 Madison Ave, N Y 16
*J T Baker Chem Co, Phillipsburg, N J
Battelle & Renwick, 55 Liberty St, N Y 5

*Company classifies itself as manufacturer or producer of this product

POTASSIUM CHLORIDE, continued

Bradley & Baker, 155 E 44 St, N Y 17
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
Chematar Inc, Exchange Pl, N Y 5
Croton Chem Corp, 114 Liberty St, N Y 6
*Davies Nitrate Co, 114 Liberty St, N Y
E I Du Pont de Nemours & Co, Graselli Chem Dept, Wilmington, Del
*Duval Sulphur & Potash Co, 1120 Niels Esperson Bldg, Houston 2, Tex
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Hummel Chem Co, 90 West St, N Y 6
Innis, Speiden & Co, 117 Liberty St, N Y 6
International Ore & Fertilizer Corp, 500 5 Ave, N Y 18
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Chas Page & Co, 50 E 42 St, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
*Schuylkill Chem Co, 2354 Sedgley Ave, Phila, Pa
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

POTASSIUM CHROMATE

K_2CrO_4. Yellow cryst. Sp. gr. 2.7319 (18°C.). M.P. 971°C. Sol. water; insol. alcohol. Uses—mfr. dyestuffs, aniline black, writing inks, chromate pigments, enamels; oxidizing agent in making intermediates and organic chemicals; laboratory reagent; finishing leather; mordant in dyeing and printing textiles; in medicine. Grades—cryst.; reagent; commercial; crude; highest purity.

*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*Franklin Mineral Products Co, P O Box 28, Franklin, N C
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Republic Chem Corp, 94 Beekman St, N Y 38
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

POTASSIUM CITRATE

$K_3C_6H_5O_7.H_2O$. M.W. 324.40. White crystalline powd. Sol. in water; sl. sol. in alcohol. Uses— mfr. pharmaceutical and medicinal preps.

J T Baker Chem Co, Phillipsburg, N J
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Republic Chem Corp, 94 Beekman St, N Y 38

POTASSIUM COBALTICYANIDE

City Chem Corp, 132 W 22 St, N Y 11

POTASSIUM CREOSOTE SULFONATE

Potassium salt of sulfonated creosote. Water sol. powd.; sl. sol. in alcohol. Uses—pharmaceutical.

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*H Kohnstamm & Co, 83 Park Pl, N Y 7

POTASSIUM CYANATE

KCNO. M.W. 81.11. A white crystalline solid. Sp. gr. 2.05. Readily sol. in water and anhydrous ammonia, insoluble in absolute alcohol. Melts at dull red heat without decomposition. Principal consumption of Potassium Cyanate is in the mfr. of organic chemicals and drugs. Hypnotics, narcotics and similar drugs are made from this product. Typical products are known chemically as substituted ureas, urethanes or hydantoins.

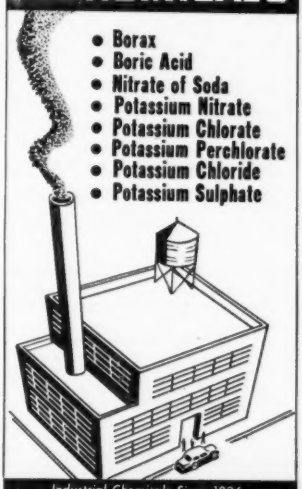
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Conray Products, 510 6 Ave, N Y 11
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Hummel Chem Co, 90 West St, N Y 6

POTASSIUM CYANIDE

KCN. White, deliq. amorp. or crystalline powd., faint odor of bitter almonds. Sp. gr. 1.52. M.P. and B.P. red heat. Sol. water, alcohol, glycerine. Uses—mfr. paper, insecticidal compositions; extracting gold and silver from ores; case-hardening and quenching baths in treating steel; electroplating metals; reagent in assay laboratory and in making intermediates and organic chemicals; fumigant for food granaries, and cotton; engraving and lithography; assistant in dyeing and printing textiles; in brass and metal industry; in medicine. Grades—commerical; pure; reagent; C.P.; U.S.P.

*Aceto Chem Co, 82 Beaver St, N Y 5
American Firstoline Corp, 420 Lexington Ave, N Y
Amplex Co, 60 Wall St, N Y
J T Baker Chem Co, Phillipsburg, N J
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
Conn Metalcraft, 442 Elm St, New Haven 2, Conn
Conray Products, 510 6 Ave, N Y 11
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich

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- Borax
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- Nitrate of Soda
- Potassium Nitrate
- Potassium Chlorate
- Potassium Perchlorate
- Potassium Chloride
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Soda Bicarbonate

Trisodium Phosphate

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- Red Amorphous Phosphorus
- Phosphorus Sesquisulphide Powder

SODIUM CHLORATE

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342 Madison Avenue — New York 17, N. Y.
Telphone: MU 7-6502 — Cable Address: CHEMDUF

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SODIUM COBALTICYANIDE
CUPROUS THIOCYANATE
CUPRIC THIOCYANATE
LEAD CYANIDE, BASIC
BARIUM CYANIDE
NICKEL CYANIDE

CITY CHEMICAL CORP.
132 W. 22nd St. New York 11, N.Y. WA 9-2723

*Company classifies itself as manufacturer or producer of this product

POTASSIUM CYANIDE, continued

Fallek Products Co, 163 Broadway, N Y 6
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Hummel Chem Co, 90 West St, N Y 6
*H Kohnstamm & Co, 83 Park Pl, N Y 7
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
L J & M La Place, Leliarts Lane, E Paterson, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Philipp Bros Chem, 37 Wall St, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Siegel Chem Co, 1 Hanson Pl, Bkln 17, N Y
George F Smith, 60 E 42 St, N Y 17
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
Terra Chem, 801 2 Ave, N Y 17
Jos Turner & Co, Ridgefield, N J

POTASSIUM DICHROMATE see Potassium Bichromate

POTASSIUM DIIODO-p-PHENOLSULFONATE see Potassium Sozoiodolate

POTASSIUM ETHYL XANTHATE (Potassium Xanthogenate)

$C_2H_5O.CS_2K$. Pale yellowish-green powd. Very sol. in water; sol. in alcohol. Uses—as a mineral ore flotation agent. Grades—tech. (90%).

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*Dow Chem Co, Midland, Mich
*H Kohnstamm & Co, 83 Park Pl, N Y 7
McKesson & Robbins, 155 E 44 St, N Y 17

POTASSIUM FERRIC OXALATE see Iron and Potassium Oxalate

POTASSIUM FERRICYANIDE (Potassium Prussiate, Red, Red Prussiate of Potash, Ferric Potassium Cyanide)

$K_3Fe(CN)_6$. Bright red cryst. or powd. Sp. gr. 1.894. Decomposes when heated. Sol. water; insol. alcohol. Uses—mfr. blue pigments, photographic and etching papers, leather, paper, fertilizers; mordant in dyeing and printing textiles; discharge in calico printing; quenching agent in tempering steel; mordant in dyeing wood; in electroplating. Grades—tech.; recrystallized.

Aceto Chem Co, 82 Beaver St, N Y 5
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Philip A Hunt Co, Palisades Park, N J
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
L B Russell Chem, 60 Orange St, Bloomfield, N J
Spring Chem, 239 E 141 St, N Y 51
Wholesale Supply Co, Box 16337 Vine St Sta, Los Angeles 38, Cal

POTASSIUM FERROCYANIDE (Potassium Prussiate, Yellow, Yellow Prussiate of Potash, Ferrous Potassium Cyanide)

$K_4Fe(CN)_6.3H_2O$. Lemon-yellow cryst. or powd. Sp. gr. 1.8533 (17°C.). Decomposes when heated. Sol. water. Uses—mfr. potassium cyanide and other cyanides, Prussian blue, pigments, explosive compositions; case-hardening and tempering steel; laboratory reagent; mordant and reagent in dyeing and printing textiles; engraving and lithography; electroplating reagent; in medicine. Grades—tech.; recrystallized; C.P.

Aceto Chem Co, 82 Beaver St, N Y 5
American-British Chem Supplies, 180 Madison Ave, N Y
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
Chem Mfg Co, 21 West St, N Y 6
Fallek Products Co, 163 Broadway, N Y 6
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Millmaster Chem Corp, 420 Lexington Ave, N Y 17

POTASSIUM FERROCYANIDE, continued

Mutchler Chem Co, 258 Broadway, N Y 7
Republic Chem Corp, 94 Beekman St, N Y 38
Chas Page & Co, 50 E 42 St, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Terra Chem, 801 2 Ave, N Y 17

POTASSIUM FLUOBORATE

KBF_4. M.W. 125.92. Sol. water, alcohol.

*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6

POTASSIUM FLUORIDE

KF. M.W. 58.1. Colorless, cryst., hygroscopic powd. M.P. 880°C. Sp. gr. 2.48. Sol. water. Uses—mfr. ant powders; as a disinfectant; in etching of glass; as a preservative.

*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Henry Sundheimer Co, 103 Park Ave, N Y 17

POTASSIUM FORMATE

$KCHO_2$. M.W. 84.2. Colorless deliq. cryst. M.W. 177°C. Sol. water.

*J T Baker Chem Co, Phillipsburg, N J

POTASSIUM GLUCONATE

$C_5H_6(OH)_5COOK$. M.W. 234.25. White crystalline powd. Sol. water. Uses—medicinal.

Conray Products, 510 6 Ave, N Y 11
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y

POTASSIUM GLYCEROPHOSPHATE

$K_2C_3H_7PO_6.3H_2O$. M.W. 302.3. A thick, yellowish syrup. Sol. all prop. water; insol. in alcohol. Uses—pharmaceutical.

Philipp Bauer Co, 2 W 47 St, N Y
European Chem Co, 366 Broadway, N Y 13
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

POTASSIUM GOLD CYANIDE

$KAu(CN)_2$. White, crystalline powd.; sol. in water; 41% gold content min.; insol. in potassium cyanide sol. Uses—gold plating.

*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill
Philipp Bros Chem, 37 Wall St, N Y

POTASSIUM GUAIACOL SULFONATE

$HOC_6H_3OCH_3SO_3K$. Fine white powd. Sol. water; sl. sol. alcohol. Uses—mfr. fine chemicals, pharmaceuticals; in medicine.

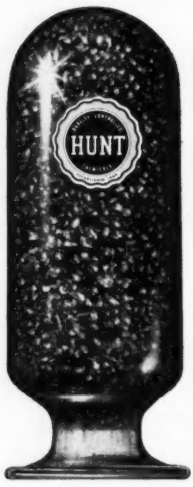
American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Conray Products, 510 6 Ave, N Y 11
European Chem Co, 366 Broadway, N Y 13
Fallek Products Co, 163 Broadway, N Y 6
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
George Uhe Co, 76 9 Ave, N Y 14

POTASSIUM HYDRATE see Potassium Hydroxide

POTASSIUM HYDROXIDE (Caustic Potash, Potassa, Potassium Hydrate, Kalilange)

KOH. M.W. 56.11. White, deliq. crystalline, solid, flake, or sticks. Sp. gr. 2.044. M.P. 380°C. B.P. sublimes at white heat. Sol. water, alcohol, ether. Uses—potassium salts, oxalic acid, match head compositions, textile and toilet soaps, detergents, paper, perfume preparations, printing inks, dry colors; bleaching textiles; mercerizing cotton; laboratory reagent; in electroplating, photo-engraving and lithography; in medicine. Grades—tech. (88-92%); (73-75%); U.S.P.; C.P.; commercial—fused, broken, granulated and flake; in solution; purified by alcohol—sticks, lumps and drops; reagent.

Adams-Henry Chem Co, 32 Broadway, N Y 4
American-British Chem Supplies, 180 Madison Ave, N Y



HUNT

Potassium Ferricyanide

$K_3Fe(CN)_6$

For more than 10 years HUNT has been a leading manufacturer and a dependable source for Quality Controlled Potassium Ferricyanide. Immediate shipments in Commercial Quantities.

Established 1909
PHILIP A. HUNT COMPANY
Manufacturing Chemists
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CHICAGO, ILL. CLEVELAND, OHIO CAMBRIDGE, MASS.
BROOKLYN, N. Y. DALLAS, TEXAS LOS ANGELES, CALIF.

*Company classifies itself as manufacturer or producer of this product

POTASSIUM HYDROXIDE, continued

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Quinine Co, 15 William St, N Y
Amplex Co, 60 Wall St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Bergstrom Trading Co, 233 Broadway, N Y
F M Browning Co, 150 Broadway, N Y 38
Chem Mfg Co, 21 West St, N Y 6
*Dow Chem Co, Midland, Mich
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Faesy & Besthoff, 325 Spring St, N Y 13
Great Lakes Chem Co, 2525 S 50 Ave, Chicago 50, Ill
*M W Hardy & Co, 141 Broadway, N Y 6
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Innis, Speiden & Co, 117 Liberty St, N Y 6
International Selling Corp, 70 Pine St, N Y 5
Kingston Chem Co, 15 William St, N Y 5
Merchants Chem Co, 60 E 42 St, N Y 17
Millmaster Chem Corp, 420 Lexington Ave, N Y 17
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Niagara Alkali Co, 60 E 42 St, N Y 17
Chas Page & Co, 50 E 42 St, N Y 17
Philipp Bros Chem, 37 Wall St, N Y
Prior Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Seaboard Industries, 195 Keen St, Paterson, N J
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
George F Smith, 60 E 42 St, N Y 17
Jos Turner & Co, Ridgefield, N J
George Uhe Co, 76 9 Ave, N Y 14
Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
Welch, Holme & Clark Co, 439 West St, N Y 14
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

POTASSIUM HYPOMANGANATE see Potassium Permanganate

POTASSIUM HYPOPHOSPHITE

KPH_2O_2. M.W. 104.16. White, deliq. powd. or opaque, white cryst. Uses—medicinal.

Conray Products, 510 6 Ave, N Y 11
Fellows Medical Mfg Co, 26 Christopher St, N Y 14
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Oldbury Electro Chem Co, 19 Rector St, N Y 6
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

POTASSIUM IODATE

KIO_3. M.W. 214.02. Colorless, regular, deliq. cryst. M.P. 560°C. (Decomp.) Sol. water; insol. alcohol. Used as a reagent for volumetry and medicinally as an antiseptic.

*J T Baker Chem Co, Phillipsburg, N J
*Merck & Co, 100 Lincoln Ave, Rahway, N J
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

POTASSIUM IODIDE (Lugol Solution)

KI. M.W. 166.02. White, colorless cryst. Sp. gr. 3.123. M.P. 773°C. B.P. 1330°C. Sol. alcohol, glycerol, water. Uses—mfr. photographic emulsions, soaps; solvent iodine; reagent in laboratory, making iodides, engraving, lithography, organic chemicals, intermediates, dyestuffs, parmaceuticals; chemical film on silver; in medicine. Grades—U.S.P.; cryst., powd. and granular.

Amplex Co, 60 Wall St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
*F L Bodman, 328 Chestnut St, Phila 6, Pa
*Cadet Chem Corp, 205 Chicago St, Buffalo 5, N Y
Conray Products, 510 6 Ave, N Y 11
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
George Uhe Co, 76 9 Ave, N Y 14
A T Wagner Co, 2720 Wight St, Detroit 7, Mich

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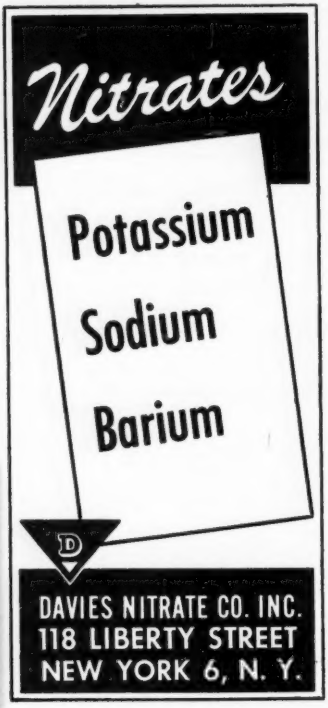
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KI Mol. wt. 166.02. Colorless or white, cubical crystals, white granules, or powd. Sl. deliq. in moist air. Uses—medicinal and industrial—mfr. photographic emulsions; in animal and poultry feeds; in salt and in some drinking water.

*J T Baker Chem Co, Phillipsburg, N J
*F L Bodman, 328 Chestnut St, Phila 6, Pa
*Cadet Chem Corp, 205 Chicago St, Buffalo 5, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
Merchants Chem Co, 60 E 42 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

POTASSIUM LACTATE

$CH_3CHOHCOOK$. M.W. 128.16. Uses—chem. synthesis; freezing point depressant.

*American Maize Products Co, 100 E 42 St, N Y 17
*Sheffield Farms Co, Chemurgic Div, Box 630, Norwich, N Y

POTASSIUM LINOLEATE

$C_{17}H_{29}COOK$. Light tan paste. Uses—base for liq. soaps, shampoos; emulsifying agent.

*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill

POTASSIUM NAPHTHENATE

Gray paste. Uses—in driers; as an emulsifying agent.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill

POTASSIUM NITRATE (Saltpetre, Nitre, Saliprunella)

KNO_3. Colorless or white cryst. Natural and manufactured. Sp. gr. 2.1062 (10.6°C.). M.P. 337°C. Decomposes at 400°C. Sol. water. Uses—mfr. match head and pyrotechnic compositions, dynamite, black powd., fertilizers, glass, ceramic glazes, candles, candle wicks; in metallurgy; curing meats; processing tobacco; pickling; laboratory reagent; in medicine. Grades—U.S.P.; C.P.; pure double refined; pure triple refined; tech.; powdered; cryst.; granulated.

American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
Battelle & Renwick, 55 Liberty St, N Y 5
C B Coburn Co, 63 Market St, Lowell, Mass
Cole Labs, 42-25 9 St, L I C 1, N Y
Conway Products, 510 6 Ave, N Y 11
Croton Chem Corp, 114 Liberty St, N Y 6
*Davies Nitrate Co, 114 Liberty St, N Y
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Fallek Products Co, 163 Broadway, N Y 6
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Hummel Chem Co, 90 West St, N Y 6
Innis, Speiden & Co, 117 Liberty St, N Y 6
McKesson & Robbins, 155 E 44 St, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
United Sterling Corp, 37 E 28 St, N Y

POTASSIUM OLEATE

$C_{17}H_{33}COOK$. Gray-tan paste. Uses—mfr. textile soaps; as an emulsifying agent.

*Crystal Soap & Chem Co, 6308 State Rd, Phila 35, Pa
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill

POTASSIUM OXALATE

$K_2C_2O_4H_2O$. Colorless transparent cryst. Sp. gr. 2.08. Decomposes when heated. Sol. water. Uses—mfr. oxalic acid, stain removing compositions, pyrotechnics, matches; bleaching straw; photographic developer; laboratory reagent; in medicine. Grades—tech.; neutral; C.P.

Adams-Henry Chem Co, 32 Broadway, N Y 4
*J T Baker Chem Co, Phillipsburg, N J
Hummel Chem Co, 90 West St, N Y 6
*Philip A Hunt Co, Palisades Park, N J
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y

POTASSIUM OXYMURIATE POTASSII CHLORAS see Potassium Chlorate

POTASSIUM OXYQUINOLINE SULFATE

Benzol Products Co, 237 South St, Newark 25, N J
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn

POTASSIUM PERCHLORATE

$KClO_4$. M.W. 138.56. Colorless cryst. Sp. gr. 2.524 (10.8°C). M.P. 400°C. Sl. sol. water; insol. alcohol. Uses—mfr. commercial and military explosives; oxidizing agent and reagent; in medicine. Grades—tech.

*J T Baker Chem Co, Phillipsburg, N J
*Cardox Corp, 307 N Mich Ave, Chicago 1, Ill
*Chilean Nitrate Sales Corp, 120 Broadway, N Y 5
Croton Chem Corp, 114 Liberty St, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
International Selling Corp, 70 Pine St, N Y 5
*Oldbury Electro Chem Co, 19 Rector St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio
Irving M Sobin Co, 74 Granite St, Boston 10, Mass

POTASSIUM PERIODATE

KIO_4. M.W. 230.0. A colorless, rhombic crystalline powd. M.P. 582°C. Sl. sol. water. Uses—in a color reagent for manganese.

*J T Baker Chem Co, Phillipsburg, N J
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

POTASSIUM m-PERIODATE

KIO_4. M.W. 230. White powd. Uses—colorimetric determination of manganese; oxidation and determination of certain types of organic compounds. L. Sol. hot water.

City Chem Corp, 132 W 22 St, N Y 11
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

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POTASSIUM PERMANGANATE (Potassium Hypomanganate, Purple Salt)

$KMnO_4$. Dark purple cryst. Sp. gr. 2.7032 (99°C). Decomposes at 240°C. Sol. water, sulfuric acid, acetic acid and alcohol. Uses—mfr. lithopone; oxidizing agent in making dyestuffs, intermediates, organic chemicals, pharmaceuticals, synth. perfumes and saccharin; bleaching and deodorizing agent for oils, fats, resins and waxes; purifying ammonia; preserving wood; purifying carbon dioxide for effervescent drinks; gray colors on copper; in brewing; bleaching silk, straw, etc.; tanning leather; photographic and laboratory reagents; coloring wood and textiles, brown shades; absorbent for military gases; deodorant and disinfectant; in medicine. Grades—tech.; C.P.; U.S.P.; cryst. (large and small).

American-British Chem Supplies, 180 Madison Ave, N Y
J T Baker Chem Co, Phillipsburg, N J
Bendix Chem Corp, 420 Lexington Ave, N Y
*Edward S Burke, 65 Pine St, N Y
*Carus Chem Co, Box 364, LaSalle, Ill
C B Coburn Co, 63 Market St, Lowell, Mass
Conray Products, 510 6 Ave, N Y 11
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
*Howe & French, Mfg Dept, E Weymouth, Mass
Industrial Raw Materials Corp, 575 Madison Ave, N Y 22
Innis, Speiden & Co, 117 Liberty St, N Y 6
L J & M La Place, Leliarts Lane, E Paterson, N J
Legion Chem, 70 Wall St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
Merchants Chem Co, 60 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Scher Bros, 519 Getty Ave, Clifton, N J
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Seaboard Industries, 195 Keen St, Paterson, N J
Shepard Chem Corp, 117 Liberty St, N Y 6
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
J U Starkweather Co, 241 Allens Ave, Providence, R I
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
George Uhe Co, 76 9 Ave, N Y 14
O J Weeks Co, 16 Hudson St, N Y 13
Witco Chem Co, 295 Madison Ave, N Y 17
Wollen Chem & Supply Co, 126 6 Ave, Paterson, N J

POTASSIUM PERSULFATE (Anthion)

$K_2S_2O_8$. Colorless cryst. Decomposes below 100°C. Sl. sol. water. Uses—mfr. soaps; general bleaching and oxidizing agents; photographic reagent; in medicine. Grades—C.P.; tech.

Adams-Henry Chem Co, 32 Broadway, N Y 4
*J T Baker Chem Co, Phillipsburg, N J
*Becco Sales Corp, Station B, Buffalo 7, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Joseph Caspe, 50 Columbia St, Newark 5, N J
Riches-Nelson, 342 Madison Ave, N Y 17
Jos Turner & Co, Ridgefield, N J

POTASSIUM PHENYLACETATE

$C_6H_5CH_2COOK$. M.W. 174.23. Light yellow liq. Precursor in the mfr. of penicillin G.

*American-British Chem Supplies, 180 Madison Ave, N Y
Benzol Products Co, 237 South St, Newark 25, N J
*Edward S Burke, 65 Pine St, N Y
*Gane & Ingram, 43 W 16 St, N Y 11
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis, Mo
*Trubek Labs, State Hway Rt 17, E Rutherford, N J

POTASSIUM PHOSPHATE, DIBASIC

K_2HPO_4. M.W. 174.18. White, deliq. cryst. or powd. Very sol. in water and alcohol. Uses—analytical reagent; textile assistant, especially for wool.

*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
John A Chew, 60 E 42 St, N Y 17
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
International Selling Corp, 70 Pine St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

POTASSIUM PHOSPHATE, DIBASIC, continued

*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

POTASSIUM PHOSPHATE, MONOBASIC

KH_2PO_4. M.W. 136.14. Sp. gr. 2.338. M.P. 256° C. Sol. water; insol alcohol. Uses—plant food.

*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
John A Chew, 60 E 42 St, N Y 17
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

POTASSIUM PHOSPHATE, TRIBASIC (Potassium o-Phosphate)

K_3PO_4. M.W. 212.27. White, rhombic cryst. or powd. Sl. sol. in water; insol in alcohol. M.P. 1340°C. Uses—analytical reagent; mfr. fertilizer compounds.

*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

POTASSIUM o-PHOSPHATE see Potassium Phosphate, Tribasic

POTASSIUM POLYMANNURONATE see Potassium Alginate

POTASSIUM PRUSSIATE RED see Potassium Ferricyanide

POTASSIUM PRUSSIATE YELLOW see Potassium Ferrocyanide

POTASSIUM PYROPHOSPHATE, TETRA

$K_4P_2O_7$. M.W. 384.49 (tri-hydrate). White, crystalline solid. Very sol. water. Uses—clarifying agent for liq. soaps and shampoos; mfr. degumming oils for silk hosiery; mfr. textile oils, soaps.

*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo

POTASSIUM PYROPHOSPHATE, TETRA, continued

*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

POTASSIUM PYROSULFATE

$K_2S_2O_7$. M.W. 254.3. A white crystalline powd. Sol. water. M.P. about 325°C. The aq. sol. is strongly acid.

*City Chem Corp, 132 W 22 St, N Y 11

POTASSIUM PYROSULFITE see Potassium m-Bisulfite

POTASSIUM RESINATE

*Hercules Powder Co, 9 & Market Sts, Wilmington, Del

POTASSIUM RHODANIDE see Potassium Thiocyanate

POTASSIUM RICINOLEATE

$C_{17}H_{32}COOK$. White paste. Uses—as an emulsifying agent.

*Baker Castor Oil Co, 120 Broadway, N Y 5
*Kem Products Co, 227-229 High St, Newark 2, N J

POTASSIUM SALICYLATE

$C_6H_4(OH)COOK$. M.W. 176.18. White powd. Sol. water, alcohol. Uses—medicine.

*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J

POTASSIUM SILICATE (Potash Water-Glass)

$K_20.4SiO_2$; anhydrous K_2SiO_3 is not available commercially. First formula available either at 30°B. liq. or as a glass requiring special apparatus for dissolving. M.P. probably about 1050°C. Sol. water. Uses—mfr. glass, soap, cements, paints; dyeing and bleaching. Grades—tech.

City Chem Corp, 132 W 22 St, N Y 11
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
*Sylvania Elec Products Co, Towanda, Pa
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Welch, Holme & Clark Co, 439 West St, N Y 14
Wollen Chem & Supply Co, 126 6 Ave, Paterson, N J

POTASSIUM SILICO FLUORIDE

K_2SiF_6. M.W. 220.5. A white powd. Sol. water. Uses—in the mfr. of metallic silicon.

*American Agricultural Chem Co, 50 Church St, N Y 7
American Firstoline Corp, 420 Lexington Ave, N Y
J T Baker Chem Co, Phillipsburg, N J
*Blockson Chem Co, Patterson Rd, Joliet, Ill
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
Faesy & Besthoff, 325 Spring St, N Y 13

*Company classifies itself as manufacturer or producer of this product

POTASSIUM SILICO FLUORIDE

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MUrray Hill 5-4214; 4215

POTASSIUM SILICO FLUORIDE, continued

Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Smith-Douglass Co, P O Box 1219, Norfolk 1, Va
Henry Sundheimer Co, 103 Park Ave, N Y 17

POTASSIUM SODIUM TARTRATE (Rochelle Salt, Seignette Salt)

$KNaC_4H_4O_6.4H_2O$. Colorless cryst. or powd. Sp. gr. 1.77. M.P. 70-80°C. Loses water at 215°C. Sol. water. Uses—mfr. baking powd., pharmaceutical preps.; as laboratory reagent; silvering mirrors; electroplating reagent; in medicine. Grades—U.S.P.; tech; reagent.

*J T Baker Chem Co, Phillipsburg, N J
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
McKesson & Robbins, 155 E 44 St, N Y 17
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Stauffer Chem Co, 420 Lexington Ave, N Y 17

POTASSIUM SOZOIODOLATE (Potassium Diiodo-p-Phenol

$C_6H_2I_2OHSO_3K$. Colorless, crystalline powd. Sl. sol. water. Uses—medicine. Shipping regulations—none.

*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y

POTASSIUM STANNATE

$K_2Sn(OH)_6$ or $K_2SnO_3.3H_2O$. White to tan cryst. which absorb CO_2 from the air. Sol. water. Decomposed by acids. Uses—electroplating and immersion plating of tin and tin alloys. Grades—tech.; C.P.

Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Metal & Thermit Corp, 100 E 42 St, N Y 17

POTASSIUM STEARATE

$C_{17}H_{35}COOK$. White solid. Uses—base for textile softeners.

American Firstoline Corp, 420 Lexington Ave, N Y
Frank G Fanning, 50 E 42 St, N Y 17
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio

Potassium Titanium Fluoride

(Potassium Fluotitanate)

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Plant and Warehouse: Hicksville, L. I.

POTASSIUM STEARATE

Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Witco Chem Co, 295 Madison Ave, N Y 17

POTASSIUM SULFATE (Salt of Lemery, Tarcanum, Sal de Doubas, Tartarus Vitriolatus)

K_2SO_4. Colorless or white cryst. or powd. Sp. gr. 2.6633 (20°C). M.P. 1072°C sublimes. Sol. water. Uses—mfr. alums, inorganic chemicals, potassium carbonate, glass, potassium salts, mineral waters, perfumery; as laboratory reagent; in medicine. Grades—C.P.; medicinal; tech.; crude (fertilizer).

*H J Baker & Bros, 271 Madison Ave, N Y 16
*J T Baker Chem Co, Phillipsburg, N J
Croton Chem Corp, 114 Liberty St, N Y 6
Davies Nitrate Co, 114 Liberty St, N Y
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
International Ore & Fertilizer Corp, 500 5 Ave, N Y 18
Samuel D Keim, Libertv Trust Bldg, Phila 7, Pa
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Chas Page & Co, 50 E 42 St, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
*Schuylkill Chem Co, 2354 Sedgley Ave, Phila, Pa
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

POTASSIUM SULFITE

$K_2SO_3.2H_2O$. M.W. 194.28. White crystals or crystalline powd. Sol. water; sl. sol. alcohol. Uses—photographic developers.

J T Baker Chem Co, Phillipsburg, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

POTASSIUM SULFOCYANIDE see Potassium Thiocyanate

POTASSIUM TARTRATE (Tartarus, Sal Vegetal, Soluble Tartar)

$K_2C_4H_4O_6.½H_2O$. Colorless cryst. Sp. gr. 1.9715. Sol. water. Uses—mfr. potassium salts; as laboratory reagent; in medicine.

*J T Baker Chem Co, Phillipsburg, N J

POTASSIUM TETRABORATE see Potassium Borate

POTASSIUM THIOCYANATE (Potassium Sulfocyanide, Potassium Rhodanide)

KCNS. M.W. 97.17. Colorless, deliq. cryst. Sp. gr. 1.886. M.P. 173.2°C. Decomposes at 500°C. Sol. water, alcohol, acetone. Uses—mfr. sulfocyanides, cyanides, potassium derivatives, thiourea, intermediates, organic chemicals, dyes, pharmaceuticals, artificial mustard oil, paint pigments; assistant in dyeing and printing textiles; as laboratory reagent; refrigerant. Grades—pure; purified reagent; tech.

*J T Baker Chem Co, Phillipsburg, N J
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Philip A Hunt Co, Palisades Park, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

POTASSIUM TITANIUM FLUORIDE

TiK_2F_6. White leaflets.

City Chem Corp, 132 W 22 St, N Y 11
Faesy & Besthoff, 325 Spring St, N Y 13

POTASSIUM TITANIUM OXALATE

$TiO(CO_2CO_2K)_2.2H_2O$. Greenish-white cryst. Sol. water. Uses—mordant in dyeing and printing textiles; mordant in dyeing leather. Grades—tech.; pure.

Howe & French, Mfg Dept, E Weymouth, Mass
Innis, Speiden & Co, 117 Liberty St, N Y 6
Lindsay Light & Chem Co, 258 Ann St, W Chicago, Ill
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
George F Smith, 60 E 42 St, N Y 17

POTASSIUM XANTHATE

$KS_2COC_2H_5$. Solid. Sp. gr. 1.5576. B.P. 200°C. Sol. alcohol, water. Uses—as reagent in laboratory; soil fumigant; flotation agent. Grades—tech.; C.P.

Amend Drug & Chem Co, 117-119 E 24 St, N Y

POTASSIUM XANTHOGENATE see Potassium Ethyl Xanthate

POTASSIUM ZIRCONIUM FLUORIDE

K_2ZrF_6. M.W. 283. White crystalline solid. Uses—alloying agent for aluminum and magnesium; mfr. of metallic zirconium and other zirconium compounds.

Faesy & Besthoff, 325 Spring St, N Y 13

POTATO SPIRIT see Oil, Fusel

POTATO SPIRITS see Alcohol, Amyl (Normal)

POUR-POINT DEPRESSANTS

Preps. blended with lubricating oils which impart to the latter the ability to flow freely in winter and at low temperatures. It is claimed that the use of such products eliminates the necessity of dewaxing, permits the maintainance of a high viscosity index which in turn means lower consumption, easier starting, and less wear; also maintains high natural resistance to oxidation.

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Petroleum Specialties, 205 E 42 St, N Y 17

PRESERVATIVES

*Chapman Chem Co, 707 Dermon Bldg, Memphis, Tenn
*Chemiseal Co, 9516 Burnette, Detroit 4, Mich
*Dow Chem Co, Midland, Mich
*Goldschmidt Chem Corp, 153 Waverly Pl, N Y 14
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Tennessee Eastman Co, 10 E 40 St, N Y 16
*Van Dyk & Co, Main & William Sts, Belleville, N J

PRESERVATIVES, BRICK, CEMENT, CONCRETE

Protective coatings of varying formulation used to increase the imperviousness of brick, etc., against the elements. Should offer higher degree of protection against water, acids, alkalies, fumes, etc.

*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa

PRESERVATIVES, COSMETIC

*Dow Chem Co, Midland, Mich
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Goldschmidt Chem Corp, 153 Waverly Pl, N Y 14
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
*Rodgers Labs, 4135 S 6 St, Milwaukee 15, Wis

*Company classifies itself as manufacturer or producer of this product

PRESERVATIVES, FABRIC

Specialized coating and impregnating materials for textiles (sheetings, canvas, etc.), to prevent mildew, to act as a water and oil repellent, to prevent deterioration of the fabric, etc.

Antara Products Div, 435 Hudson St, N Y 14
*Chemiseal Co, 9516 Burnette, Detroit 4, Mich
*Cuprinol Div, Simsbury, Conn
*E F Drew & Co, 15 E 26 St, N Y 10
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Goldschmidt Chem Corp, 153 Waverly Pl, N Y 14
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Sindar Corp, 330 W 42 St, N Y 18
*Warwick Chem Co Div, Wood River Junction, R I
*Witco Chem Co, 295 Madison Ave, N Y 17

PRESERVATIVES, FOOD

Substances added to foods, beverages, confectionery, ice-creams, etc., to prevent development of mold, bacteria, decay and rancidity, and to retain the natural color, flavor, odor, taste, appearance, and original food value. Such products must be harmless to human beings and animals in the quantities employed and are under the surveillance and jurisdiction of the Pure Food and Drug Administration of the Federal Government and also state and local Departments of Health.

Braun Knecht Heimann Co, 1400 16 St, San Francisco, Cal
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
*E F Drew & Co, 15 E 26 St, N Y 10
*Dow Chem Co, Midland, Mich
Wm S Gray & Co, 342 Madison Ave, N Y 17
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Tennessee Eastman Co, 10 E 40 St, N Y 16
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn

PRESERVATIVES, GUM

Products added to natural gums to prevent the growth of mold, rancidity, etc.

Bridge Chem Co, 2525 W Madison St, Chicago, Ill
Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Precision Testing Labs, P O Box 973, Worcester 1, Mass
*Sindar Corp, 330 W 42 St, N Y 18
*R T Vanderbilt Co, 230 Park Ave, N Y

PRESERVATIVES, LEATHER

Preps. formulated to treat leather to retard the natural drying-up of the oils and greases which provide the natural flexibility to the leather; to keep it from becoming hard and brittle and to correct such conditions in old leather by restoring such oils through penetration of the pores.

Antara Products Div, 435 Hudson St, N Y 14
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Cuprinol Div, Simsbury, Conn
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*Dow Chem Co, Midland, Mich
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Nuodex Products Co, 930 Magnolia Ave, Elizabeth, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Sindar Corp, 330 W 42 St, N Y 18
*R T Vanderbilt Co, 230 Park Ave, N Y
Wallerstein Co, 180 Madison Ave, N Y 16

PRESERVATIVES, ROPE

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
Antara Products Div, 435 Hudson St, N Y 14
*Barrett Div, 40 Rector St, N Y 6
*Chemiseal Co, 9516 Burnette, Detroit 4, Mich
*Cuprinol Div, Simsbury, Conn
*Dow Chem Co, Midland, Mich
*Fiske Bros Refining Co, 129 Lockwood St, Newark, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Sindar Corp, 330 W 42 St, N Y 18
Textile Proofers, 181 Culver Ave, Jersey City, N J
*Witco Chem Co, 295 Madison Ave, N Y 17

DOWICIDES

Trade DOW Mark

Germicides and Fungicides for all Industries

These products will afford positive protection against the destructive influences of mildew, mold and fungus growths, also putrefaction or decomposition due to bacterial action.

Manufactured by
THE DOW CHEMICAL COMPANY
of Midland, Michigan
Address All Inquiries to

CIBA CO., INC. NEW YORK
GREENWICH AND MORTON STREETS
Branches:
Boston
Providence
Philadelphia
Charlotte
Chicago
San Francisco

Heyden
PARASEPTS®
Neutral esters of parahydroxybenzoic acid with high preservative powers against mold and bacterial action—for creams, lotions, fats, oils, gums, glues, etc.
METHYL, ETHYL, PROPYL, BUTYL, and BENZYL PARASEPT
SODIUM BENZOATE • BENZOIC ACID
Preservatives for food and beverage products
PROPYL GALLATE
A powerful stabilizer for edible oils and fats and antioxidant for ethers, waxes and emulsions.
Technical data on request.
FINE HEYDEN CHEMICALS
HEYDEN CHEMICAL CORPORATION
393 SEVENTH AVENUE • NEW YORK 1, N. Y.
CHICAGO • PHILADELPHIA • SAN FRANCISCO • DETROIT • PROVIDENCE

*Company classifies itself as manufacturer or producer of this product

CHAPMAN™

Wood Preservatives
• • •
Agricultural Chemicals

A complete line of tested chemicals for all wood preserving problems • Sap Stain and Mold Control Chemicals • Weed Killers and Insecticides.

Pentachlorophenol

Crystals, for the preparation of wood preserving solutions. Efficient in protection of wood from decay and insect attack. Conform to specifications of U. S. Government and American Wood Preservers' Association.

Dowicide G

Sodium Pentachlorophenate; for protection against decay, mold and termite attack in fibreboard and insulating materials. Added to pulp during manufacture of the board.

Penta Preservative

For pressure and non-pressure treatment of lumber and wooden structures. A 5% pentachlorophenol solution in selected oil solvents. Controls decay; also termite and other insect attack.

Agricultural Chemicals

Insecticides for control of various insect pests which attack cotton, spring grains, legumes, tobacco and soybeans. New organic insecticides such as Benzene Hexachloride, DDT, Toxaphene, Chlordane, Aldrin and Dieldrin are used in these formulations.

Weed Killers

Weeds, grasses and brush can be inexpensively controlled by using Chapman Weed Killers. Each of the following has special characteristics: Sodium TCA 90%, Penta Weed Killer, Chapman Brush Killer, Borascu.

Write for technical bulletins.

CHAPMAN CHEMICAL COMPANY
DERMON BUILDING • MEMPHIS 3, TENN.

PRESERVATIVES, WOOD

Chemicals and proprietary products used to retard disintegration of wood through the action of water, oil, acids, alkalies, insect and fungi attack, etc., to provide a protective coating. Wood floor preservatives prevent warping, splintering, cracking, rotting.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American Lumber & Treating Co, 332 S Mich Ave, Chicago, Ill
American-Marietta Co, 1400 13 Ave S W, Seattle 4, Wash
*Barrett Div, 40 Rector St, N Y 6
*Carbolineum Wood Preserving Co, 528 W Highland Ave, Milwaukee 3, Wis
*Chapman Chem Co, 707 Dermon Bldg, Memphis, Tenn
*Chem Insecticide Corp, 57 13 St, Bklyn 15, N Y
*Chemiseal Co, 9516 Burnette, Detroit 4, Mich
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
*Cuprinol Div, Simsbury, Conn
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
*V J Dolan & Co, 1830 N Laramie Ave, Chicago 39, Ill
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Fresno Agric Chem Co, P O Box 1286, Fresno, Cal
*Gilbreath Chem Co, 383 Brannan St, San Francisco 7, Cal
*Heckathorn & Co, 641 S 4 St, Richmond 3, Cal
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
*E & F King & Co, 640 Pleasant St, Norwood, Mass
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Los Angeles Chem Co, 1960 Santo Fe Ave, Los Angeles 21, Cal
*Miller Products Co, Ft at S W Caruthers St, Portland 1, Ore
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Monsanto Chem Co, Western Div, 911 Western Ave, Seattle, Wash
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Pan American Refining Corp, 122 E 42 St, N Y 17
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
Rodgers Chem Co, 237 4 Ave, Pittsburgh, Pa
Ruberoid Co, 500 5 Ave, N Y 18
Stauffer Chem Co, P O Box 88, N Portland, Ore
*Texas Solvents & Chem Co, 8501 Market St, Houston 5, Tex
*Whitmoyer Labs, 19 N Railroad St, Myerstown, Pa
*Witco Chem Co, 295 Madison Ave, N Y 17

PRE-SPOTTERS (Dry-Cleaning)

Specialized soaps for removing stains which would be "set" by heat or not removed in the regular dry-cleaning operation. Stains most likely to become hard-set by heat may be grouped into three classifications: 1. Those which coagulate by heat, including many substances containing albumen such as blood, various foodstuffs, medicine, etc.; 2. Those which are oxidized by heat, including such substances as salad oil, cooking oil, and other unsaturated drying or semi-drying oils; 3. Those which become an integral part of the fibres when heated, including substances containing tannic acid, such as soft drinks, liquor, beer, some wines, fruit juices, grass and flower stains, tobacco, certain perfumes, coffee, tea, medicine, and photographic developing fluids.

*F F Drew & Co, 15 E 26 St, N Y 10
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Takamine Lab, 193 Arlington Ave, Clifton, N J
Wallerstein Co, 180 Madison Ave, N Y 16

PREVENTIVES, SLIME

Antara Products Div, 435 Hudson St, N Y 14
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Barco Chem Products Co, 701 S LaSalle St, Chicago, Ill
*Buckman Labs, Memphis, Tenn
*F F Drew & Co, 15 E 26 St, N Y 10
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Edwal Labs, Ringwood, Ill
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Oronite Chem Co, 38 Sansome St, San Francisco, Cal
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

PRIMERS, LACQUERS

Specially formulated products that fill the pores and microscopic imperfections of a surface providing a smooth, uniform base for the overcoat, and that act as a bond between finish and the article itself. Different types of primers are generally necessary for wood and metal.

*Alabastine Paint Products, 2639 W Grand Ave, Chicago 12, Ill
Cornelius Products Co, 386 4 Ave, N Y 16
*New England Lacquer Co, Box 89, E Providence, R I
*Sherwin-Williams Co, 100 Park Ave, N Y 17

PRIMERS, PAINT, METAL

Protection against corrosion is of paramount importance; primers for metal surfaces are very often formulated with 97% grade of red lead pigment for max. durability.

PRIMERS, PAINT, METAL, continued

Electro Chem Engrg & Mfg Co, 752 Broad St, Emmaus, Pa
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Nukem Products Corp, 111 Colgate Ave, Buffalo 20, N Y
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Toch Bros, 2600 Richmond Terrace, S I, N Y

PRIMERS, PAINT, WOOD

A base seal and foundation coating which assists a bond between new wood and the finish coat; also provides a smooth surface to checked, spotted old wood surfaces before the addition of the final finish coat.

*Alabastine Paint Products, 2639 W Grand Ave, Chicago 12, Ill
*Cuprinol Div, Simsbury, Conn
Electro Chem Engrg & Mfg Co, 752 Broad St, Emmaus, Pa
*Sherwin-Williams Co, 100 Park Ave, N Y 17

PRIMERS, ROOFING

Preps. applied to new roofs and to old, weather-beaten, dried-out roof surfaces to seal any open pores or voids in the surface, and to act as a bonding agent between the roof and the finish coat or coats.

*Barrett Div, 40 Rector St, N Y 6

PRINTERS' ACETATE see Aluminum Acetate (Basic)

PRIVATE FORMULAS

*Academy Mfg Drug Corp, 544 E 171 St, N Y 57
American-British Chem Supplies, 180 Madison Ave, N Y
*Davies Nitrate Co, 114 Liberty St, N Y
*Edwal Labs, Ringwood, Ill
*Fuld Bros, 702 S Wolfe St, Baltimore 31, Md
*Gane & Ingram, 43 W 16 St, N Y 11
*Heckathorn & Co, 641 S 4 St, Richmond 3, Cal
*Herbert Chem Co, Vine St & Murray Rd, Cincinnati 17, Ohio
George Mann & Co, 251 Fox Point Blvd, Providence, R I
*Mifflin Chem Co, Delaware Ave & Mifflin St, Phila 48, Pa
Monarch Chem Works, 22 & Ave H, Omaha, Neb
*Science Industries, 609-15 Geyer Ave, St Louis 4, Mo
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

PRIVATE FORMULAS, AGRICULTURE SPECIALTIES

Companies listed below mfr. for others under private label agricultural chemical specialties such as insecticides, fungicides, mixed fertilizers, etc.

*Chem Insecticide Corp, 57 13 St, Bklyn 15, N Y
*Davies Nitrate Co, 114 Liberty St, N Y
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
Wm E Martin Co, 205 W 34 St, N Y 1
*Medical Chem Corp, 4122 W Grand Ave, Chicago 51, Ill

PRIVATE FORMULAS, COSMETIC SPECIALTIES

*R Gesell, 200 W Houston St, N Y 14
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*Mifflin Chem Co, Delaware Ave & Mifflin St, Phila 48, Pa

PRIVATE FORMULAS, HOUSEHOLD SPECIALTIES

Companies listed below mfr. for others under private label household specialties such as metal, furniture and shoe polishes, cleaners, soaps, drain-pipe solvent, fly-sprays, insecticides, disinfectants, floor polishes, household paints, enamels, etc.

DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Science Industries, 609-15 Geyer Ave, St Louis 4, Mo
*Ultra Chem Works, 2 Wood St, Paterson 4, N J

PRIVATE FORMULAS, INDUSTRIAL SPECIALTIES

Companies listed below mfr. for others under private label a wide variety of industrial specialties used in the textile, rubber, glass, ceramic, paper and metal industries, also industrial paints, lubricants, greases, pastes, adhesives, etc.

*Barco Chem Products Co, 701 S LaSalle St, Chicago, Ill
*Chem Development Corp, Endicott St, Danvers, Mass

PRIVATE FORMULAS, INDUSTRIAL SPECIALTIES, continued

*Cidex Corp, 85 Franklin St, Jersey City, N J
*Davies Nitrate Co, 114 Liberty St, N Y
*Edwal Labs, Ringwood, Ill
*C E Ising Corp, 133-24 41, Flushing, N Y
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*L Carlton Mertz Co, 1638 S Normal Ave, Chicago 16, Ill
*Pennsylvania Refining Co, Butler, Pa
*Science Industries, 609-15 Geyer Ave, St Louis 4, Mo
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
*Utility Chem Co, 145 Peel St, Paterson 4, N J
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
Welch, Holme & Clark Co, 439 West St, N Y 14
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

PRIVATE FORMULAS, MEDICINAL SPECIALTIES

*Academy Mfg Drug Corp, 544 E 171 St, N Y 57
*Desmo Chem Corp, 565 5 Ave, N Y 17
Fellows Medical Mfg Co, 26 Christopher St, N Y 14
*Gane & Ingram, 43 W 16 St, N Y 11
Gauge & Devin, 7 Front St, San Francisco 11, Cal
*R Gesell, 200 W Houston St, N Y 14
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Lakeside Labs, 1707 E North Ave, Milwaukee 1, Wis
*Medical Chem Corp, 4122 W Grand Ave, Chicago 51, Ill
*Mifflin Chem Co, Delaware Ave & Mifflin St, Phila 48, Pa
*Pendergrast Chem Co, 313 Chester Ave, S E, Atlanta, Ga
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y
*Utility Chem Co, 145 Peel St, Paterson 4, N J

PRIVATE FORMULAS, PAINTS

Companies listed below are prepared to mfr. for others under private label paints, enamels, coatings, lacquers, finishes, varnishes, etc.

*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill

PRIVATE FORMULAS, SOAPS

Companies listed below are prepared to mfr. for others under private label household and industrial soaps, soap powd., liquid soaps, detergents, cleaners, etc.

Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
*Cidex Corp, 85 Franklin St, Jersey City, N J
*Essential Chem Co, 2200 N 32 St, Milwaukee, Wis
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Oil-Kraft, 3330 Beekman St, Cincinnati 23, Ohio
*Standard Soap Co of Camden, 205 S 2 St, Camden, N J
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

PROCAINE BASE

$C_{13}H_{20}O_2N_2$. M.W. 236.17. From aq. alcohol it crystallizes with $2H_2O$. White, odorless, cryst. powd.; sl. bitter taste; applied to the tongue causes transitory benumbing sensation. Melts 59-61°C. Sl. sol. in water; sol. in alcohol and chloroform.

American Roland Corp, 16 Hudson St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Conray Products, 510 6 Ave, N Y 11
*Gane's Chem Works, 677 5 Ave, N Y 22
*Gane & Ingram, 43 W 16 St, N Y 11
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*B L Lemke & Co, 199 Main St, Lodi, N J
McKesson & Robbins, 155 E 44 St, N Y 17
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Purocaine Inc, Hockessin, Del
*Richmond Chem Corp, 1741 Richmond Terrace, S I 10, N Y
*Sterone Corp, 250 W 57 St, N Y 19

PROCAINE HYDROCHLORIDE (Aminobenzoyl-Diethylamino-Ethanol Hydrochloride, Ethocaine, Novocaine, Syncaine, Kerocaine)

$C_6H_4NH_2COOCH_2CH_2N(C_2H_5)_2.HCl$. Small, colorless cryst. or white crystalline powd. Odorless. M.P. 153-156°C. Sol. water, alcohol; slightly sol. chloroform. Insol. ether. Uses—medicine.

American Roland Corp, 16 Hudson St, N Y
J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Chematar Inc, Exchange Pl, N Y 5
Conray Products, 510 6 Ave, N Y 11
*Desmo Chem Corp, 565 5 Ave, N Y 17
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Gane's Chem Works, 677 5 Ave, N Y 22
*Gane & Ingram, 43 W 16 St, N Y 11
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Lack Chem Co, 19 Park Pl, N Y 7
*B L Lemke & Co, 199 Main St, Lodi, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

PROCAINE HYDROCHLORIDE, continued

McKesson & Robbins, 155 E 44 St, N Y 17
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Purocaine Inc, Hockessin, Del
Republic Chem Corp, 93 Beekman St, N Y 38
*Richmond Chem Corp, 1741 Richmond Terrace, S I 10, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Shapiro & Novick, 60 Broad St, N Y 4
*Sterone Corp, 250 W 57 St, N Y 19
George Uhe Co, 76 9 Ave, N Y 14

PROGESTERONE

$C_{21}H_{30}O_2$. M.W. 314.45. Solid. M.P. 127-131°C. Uses—in medicine as the corpus luteum hormone.

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
Chemtech Products Corp, 62 William St, N Y 5
Conray Products, 510 6 Ave, N Y 11
*Desmo Chem Corp, 565 5 Ave, N Y 17

PROGESTERONE, continued

Fallek Products Co, 163 Broadway, N Y 6
*Glidden Co, 5165 W Moffat St, Chicago 39, Ill
R W Greeff & Co, Rockefeller Plaza, N Y 20
Lamex Chem Corp, 25 Broadway, N Y 4
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
Organics, Inc, 1724 W Greenleaf Ave, Chicago 26, Ill
Edgar Ostrander Co, 220 5 Ave, N Y 1
Red Star Chem Co, 40-33 23 St, L I C 1, N Y
Rosenthal-Bercow Co, 24 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Silas & Co, 3117 W Venice Blvd, Los Angeles 19, Cal
*Soya Products Div, 1825 N Laramie Ave, Chicago 39, Ill
Sterol Derivatives, 3626 Medford St, Los Angeles 63, Cal
*Tide Water Associated Oil Co, 79 New Montgomery St, San Francisco 20, Cal
George Uhe Co, 76 9 Ave, N Y 14

PROPANE

C_3H_8. M.W. 44.06. Colorless gas. dens. (air=1). 1.56. F.P. —189.9°C. B.P. —44.5°C. Sol. alcohol, ether; slightly sol. water. Uses—as refrigerant.

PROCAINE HYDROCHLORIDE USP XIV
PROCAINE BASE
•
STERONE CORPORATION
250 West 57th St. NEW YORK 19, N. Y. Circle 6-2368

PUROCAINE PRODUCTS
PROCAINE HYDROCHLORIDE USP
PROCAINE BASE • EPINEPHRINE USP
PARA AMINO-BENZOIC ACID, U.S.P.
SPECIAL FORMULATIONS
PUROCAINE, INC.
Offices, Plant and Laboratory
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Phone Hockessin 7422

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PROCAINE HYDROCHLORIDE U.S.P.
PENICILLIN PRECURSORS
Methyl Phenyl Acetate
Phenyl Acetamide
Beta Phenylethylamine
Potassium Phenyl Acetate
Phone: WA 4-9404
GANE & INGRAM, INC.
Manufacturing Chemists
43 West 16 Street, New York 11, N. Y.

PROPYL GALLATE
(Goldschmidt)
ETHYL GALLATE

OUTSTANDING
ANTIOXIDANTS
UNIQUE **STABILIZERS**

Inhibit autoxidation, peroxide formation and consequent deterioration of oils, fats, others and other substances. Specify Goldschmidt Gallates, pure esters of Gallic Acid (3,4,5—trihydroxybenzoic-acid).

Potent in low concentrations

For complete technical data, write:

GOLDSCHMIDT
CHEMICAL CORPORATION
153 Waverly Place,
New York 14, N. Y.
Serving Industry For A Quarter Century

PROPANE, continued

*Godfrey L Cabot, 77 Franklin St, Boston, Mass
*Cities Service Oil Co, Masonic-Empire Bldg, Bartlesville, Okla
Ohio Chem & Surgical Equipment Co, 1400 Washington Ave, Madison 10, Wis
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

PROPANEDIOL see Propylene Glycol

PROPANETRIOL see Glycerine

PROPANOL see Alcohol, Propyl

PROPANONE see Acetone

PROPENAL see Acrolein

PROPENE see Propylene

PROPENE NITRILE see Acrylonitrile

PROPENE OXIDE see Propylene Oxide

PROPENOL see Alcohol, Allyl

PROPENYLCARBINOL see Alcohol, Crotyl

PROPHENYL HYDRATE see Glycerine

b-PROPIOLACTONE

$C_3H_4O_2$. M.W. 72. Purity 96%. B.P. 51°C. M.P. —33.4°C. Refractive Index (n D), 1.4131. Dens. (d_4^{20}), 1.1460. Uses—prep. of Beta-substituted propionic acids.

*Bios Labs, 17 W 60 St, N Y 23
*B F Goodrich Chem Co, 2060 E 9 St, Cleveland 15, Ohio

PROPIONALDEHYDE

CH_3CH_2CHO. M.W. 58.1. B.P. 48.8°C; Sp. gr. 0.8066; F.P. —81°C. Uses—mfr. rubber accelerators and synthetic resins; in propionic acid synthesis; as a disinfectant and preservative.

Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*U S Industrial Chem, 60 E 42 St, N Y
*Verona Chem Co, 26 Verona Ave, Newark, N J

PROPIONAMIDE NITRILE see Cyanoacetamide

PROPIONIC ANHYDRIDE

$(C_2H_5CO)_2O$. M.W. 130.14. Colorless liq.; pungent odor. Sp. gr. 1.010 (15°C). M.P. —45° C. B.P. 167°C. Sol. alcohol, ether, chloroform, alkalies; insol. water. Uses—esterifying agent for cellulose, fats and oils, etc.; dehydrating medium for nitrations and sulfonations.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

PROPIONE see Diethyl Ketone

PROPIONIC ESTERS see Ethyl Propionate

PROPIONYL CHLORIDE

CH_3CH_2COCl. Clear, colorless liq. having a sharp acid odor. Sp. gr. 1.061 at 15½°/15½°C. Uses—organic synthesis.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16

PROPIOPHENONE see Phenyl Ethyl Ketone

n-PROPYL ACETATE

$C_3H_7OOCCH_3$. Clear, colorless liq. having pleasant odor. Sp. gr. 0.897. Flash point, 68°F. Boiling range 96.0-102.0°C. Uses—flavoring, perfumery, solvent, organic synthesis.

Florasynth Labs, 1513 Olmstead Ave, N Y 61
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Kingston Chem Co, 15 William St, N Y 5
*Verona Chem Co, 26 Verona Ave, Newark, N J
*U S Industrial Chem, 60 E 42 St, N Y

PROPYLCARBINOL BUTYLHYDROXIDE see Alcohol, n-Butyl

n-PROPYL BROMIDE

$CH_3CH_2CH_2Br$. M.W. 123. Liq. M.P. —110°C. B.P. 71°C. Sl. sol. water; miscible alcohol, ether.

*Dow Chem Co, Midland, Mich
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

n-PROPYL CHLORIDE

C_3H_7Cl. M.W. 78.54. Colorless liq. B.P. 46.4°C. Very sl. sol. in water; sol. in alcohol, ether, and chloroform. Sp. gr. 0.890 at 20/4°C. Uses—prep. of other propyl compounds.

*Dow Chem Co, Midland, Mich

n-PROPYL GALLATE

Theoretical M.W. 212. Light brown powd. M.P. 144-148°C. Insol. water or alcohol; sol. vegetable oils up to 2%. Uses—medicinal.

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*Tenn Eastman Co, 10 E 40 St, N Y 16

PROPYL IODIDE

C_3H_7I. M.W. 170.0. Colorless liq. B.P. 102°C. Sl. sol. water; sol. alcohol, ether. Uses—in organic synthesis.

American Roland Corp, 16 Hudson St, N Y
*Goldschmidt Chem Corp, 153 Waverly Pl, N Y 14
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

PROPYL OLEATE

$CH_3(CH_2)_7CHCH(CH_2)_7COOC_3H_7$. Yellow liq. F.P. —20°C. Insol. water; sol. oils and common organic solvents. Uses—special purpose lubricants, textile finishing compounds and other textile specialties.

W W Angus, 220 Broadway, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J

PROPYL STEARATE

W W Angus, 220 Broadway, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Standard Chem Products 1301 Jefferson St, Hoboken, N J

PROPYLENE (Propene)

C_3H_6. M.W. 42.1. Colorless gas. Sol. in water, alcohol or ether.

*Dow Chem Co, Midland, Mich
Matheson Co, Paragon Div, E Rutherford, N J
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

PROPYLENE ALDEHYDE see Crotonaldehyde

PROPYLENE CHLOROHYDRIN (Alcohol, Chlor Isopropyl, Chloropanol)

$CH_3.CHOH.CH_2Cl$. Colorless liq., faint ethereal odor. Azeotropic water mixture approx. 46% concentration. Sp. gr. 1.1155 at 20/20°C. B.P. 127°C. Wt. per gal. approx. 9 lbs. Uses—organic synthesis for the introduction of the hydroxy-propyl group. Grades—tech.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

PROPYLENE DIAMINE

$NH_2CH(CH_3)CH_2NH_2$. M.W. 74.13. Colorless liq. B.P. 119.7°C. Sol. in water and organic solvents. Sp. gr. 0.872 at 20/20°C. Wt. per gal. 7.8 lbs. at 20°C. Uses—in synthesis of certain medicinals, dyestuffs, rubber accelerators, and other special chemicals.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

PROPYLENE DIBROMIDE (1, 2-Dibromopropane)

$CH_3CH_2CHBrCH_2Br$. M.W. 201.91. Colorless liq. B.P. 141.6°C. Very sl. sol. in water; sol. in alcohol, ether, and chloroform. Sp. gr. 1.933 at 20/4°C. Uses—prep. pure propylene; special reagent in organic synthesis.

*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del

PROPYLENE DICHLORIDE (1, 2 Dichloropropane)

$CH_3.CHCl.CH_2Cl$. Colorless liq. Sp. gr. 1.16 (15° C). B.P. 95.9°C. Wt. per gal., 9.6 lbs. (20°C) Insol. in water. Uses—solvent for oils, fats, waxes, gums and resins; liq. soap, cleaning and scouring compounds; spot removing compounds; extraction; reagent in organic synthesis. Grades—tech.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Dow Chem Co, Midland, Mich
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
George Mann & Co, 251 Fox Point Blvd, Providence, R I
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

PROPYLENE GLYCOL (Methyl Ethylene Glycol, Propanediol)

$CH_3.CHOH.CH_2OH$. Colorless liq., practically odorless. Sp. gr. 1.0381 (20°C). B.P. 188°C. Wt. per gal., 8.64 lbs. (20°C). Completely sol. water. Uses—solvent, moistening agent; mfr. cosmetics, perfumes, flavoring extracts, pharmaceuticals; reagent organic synthesis having two replaceable hydroxyl groups. Grades—tech.

J C Ackerman Co, Penn-Lincoln Hotel, Pittsburgh 21, Pa
American-British Chem Supplies, 180 Madison Ave, N Y
American Quinine Co, 15 William St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
F M Browning Co, 150 Broadway, N Y 38
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Castle Color & Chem Co, 24 W 45 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y 16
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
Consumers Products Co, 99 Hudson St, N Y 13
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Dow Chem Co, Midland, Mich
Fallek Products Co, 163 Broadway, N Y 6
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
International Selling Corp, 70 Pine St, N Y
Kingston Chem Co, 15 William St, N Y 5
Legion Chem, 70 Wall St, N Y 5
Legion Export & Import Co, 261 W 15 St, N Y 11
George Mann & Co, 251 Fox Point Blvd, Providence
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Wm D Neuberg Co, 420 Lexington Ave, N Y 17
Philipp Bros Chem, 37 Wall St, N Y
B Rauschkolb & Co, 225 W 34 St, N Y 1
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Wm H Schutte Co, 325 W Huron St, Chicago 10, Ill
Shepard Chem Corp, 117 Liberty St, N Y 6
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
George Uhe Co, 76 9 Ave, N Y 14
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
O J Weeks Co, 16 Hudson St, N Y 13

*Company classifies itself as manufacturer or producer of this product

PROPYLENE GLYCOL ESTERS

W W Angus, 220 Broadway, N Y
*Celanese Corp of America, 180 Madison Ave, N Y 16
Consumers Products Co, 99 Hudson St, N Y 13
*Dow Chem Co, Midland, Mich
*E I Dupont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
Frank G Fanning, 50 E 42 St, N Y 17
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
W C Hardesty Co, 41 E 42 St, N Y 17
Macklm Products Co, 1775 Broadway, N Y 19

PROPYLENE GLYCOL MONOCOCATE

*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Wm H Schutte Co, 325 W Huron St, Chicago 10, Ill

PROPYLENE GLYCOL STEARATE

W W Angus, 220 Broadway, N Y
Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Carlisle Chem Works, West St, Reading 15, Ohio
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*Goldschmidt Chem Corp, 153 Waverly Pl, N Y 14
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Witco Chem Co, 295 Madison Ave, N Y 17

PROPYLENE LAURATE

Amber oil, self-emulsifiable in water to form milky-white emulsions. Uses—cosmetics, pharmaceuticals, foodstuffs.

W W Angus, 220 Broadway, N Y
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

PROPYLENE OXIDE (Epoxypropane, Propene Oxide)

$CH_3CH.CH_2O$. M.W. 58.05. Colorless liq. Sp. gr. 0.831 at 20/20°C. B.P. 35°C. Wt. per gal., 6.9 lbs. (20°C). Sol. in water and usual organic solvent. Uses—solvent nitrocellulose, cellulose acetate, gums, resins; mfr. quick drying cements; mold inhibitor; reagent in organic synthesis. Grades—tech.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y 16
*Dow Chem Co, Midland, Mich

p-PROPYLMETACRESOL see Thymol

2-PROPYN-1-OL see Alcohol, Propargyl

1-PROPYNE see Methyl Acetylene

PROTEIN HYDROLYSATES

*Bios Labs, 17 W 60 St, N Y 23
McKesson & Robbins, 155 E 44 St, N Y 17
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Sheffield Farm Co, Chemurgic Div, Box 630, Norwich, N Y
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

PROTEINS, SOYA BEAN

Proteins derived from the Soya Bean are now available commercially in isolated and non-isolated form. These proteins resemble very closely the characteristics of animal proteins derived from milk and in addition possess many outstanding characteristics of their own. They are widely used in the mfr. of adhesives and are increasingly used for a variety of other applications such as the mfr. of paint, paper sizing and coatings as dispersing and deflocculating agents and as textile sizes.

*Central Soya Co, Fort Wayne National Bank Bldg, Fort Wayne 2, Ind
*Gen Mills, Chem Div, 499 2 Ave S, Minneapolis, Minn
Kingston Chem Co, 15 William St, N Y 5
Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

PROTEINS, VEGETABLE

Most of the grains and cereal crops contain protein and a number of industrial and edible applications have been developed. The chemical physical and behavior characteristics of these proteins differ so that a general comment is not possible. See also Soya Bean Proteins.

Albumina Supply Co, 2 Broadway, N Y 4
*Corn Products Refg Co, 17 Battery Pl, N Y 4

PRUSSIAN BLUE (Chinese Blue, Ferric Ferrocyanide, Turnbull's Blue)

$Fe_4[Fe(CN)_6]3$. Solid, blue, amorp. Decomposes on heating. Sol. acids, alkalies. Uses—mfr. blue paint, blue varnish pigment; blue ink, blue match head compositions, soaps, laundry blue; coloring paper; dyeing fabrics; in fertilizer. Grades—tech.

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Calco Chem Div, Bound Brook, N J
C B Coburn Co, 63 Market St, Lowell, Mass
*E I Du Pont de Nemours & Co, 111 Sutter St, San Francisco, Cal
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y

PRUSSIAN BLUE, continued

*Hilton-Davis Chem Co, 2355 Langdon Farm Rd, Cincinnati 12, Ohio
*H Kohnstamm & Co, 83 Park Pl, N Y 7
C J Osborn Co, 132 Nassau St, N Y
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Utility Color Co, 377-399 Frelinghuysen Ave, Newark, N J
*Western Dry Color Co, 600 W 52 St, Chicago 9, Ill
Witco Chem Co, 295 Madison Ave, N Y 17

PRUSSIATES see advertisements on this page and individual listings

SHEFFIELD
MILK PROTEINS
Edible Powders
• Calcium Caseinate
• Sodium Caseinate
• Milk Protein 60%
SHEFFIELD FARMS CO., INC.
CHEMURGIC DIVISION, NORWICH, N.Y.

Yellow Prussiate of Soda
HENRY BOWER CHEMICAL
MANUFACTURING COMPANY
29th & GRAY'S FERRY ROAD, PHILADELPHIA 46, PA.

PRUSSIATES
AERO* BRAND
Yellow Prussiate of Soda 99% +
Yellow Prussiate of Potash 99% +
AMERICAN Cyanamid COMPANY
30 Rockefeller Plaza, New York 20, N. Y.
* Trade-mark

*Company classifies itself as manufacturer or producer of this product

ANCHOR PUMICE STONE

AMERICAN GROUND ITALIAN

Uniform and Correctly graded

Recommended where quality is to be considered

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Rotten Stone

Tripoli

Cork Wheels

Rouge

Ground Glass

FELTS

Polishing

Mechanical

K. F. GRIFFITHS & CO., INC.

280 Madison Avenue
New York 16, N. Y.

Pumice Mill-Newark, N. J.
Felt Plant-Brooklyn, N. Y.

MU 3-8350



PSEUDOCUMIDINE see Cumidine

PSYLLIUM SEED (Fleaseed, Fleawort)

From Plantago psyllum. Habitat—Southern Europe and Northern Africa. Uses—sizing of paper and silk; printing textiles, etc.; in medicine. Grades—tech.

T M Duche & Sons, 117-119 Hudson St, N Y 13
*Hathaway Allied Products, 2024 Westgate Ave, Los Angeles 25, Cal
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Krekel Goetz Sales & Supply Co, 302 Housman Bldg, Grand Rapids 2, Mich
*Meer Corp, 318 W 46 St, N Y 19
Herbert H Parker, 2 Broadway, N Y 4
*S B Penick & Co, 50 Church St, N Y 7
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Wm G Scarlett & Co, 608-632 President St, Baltimore 2, Md
George Uhe Co, 76 9 Ave, N Y 14

PUCE see Lead Peroxide

PUMEX see Pumice Stone

PUMICE STONE (Pumex)

Lava rock. Natural, solid amorp. Sp. gr. 2.3-2.4 (powdered). Uses—mfr. abrasive powd. and compositions, cosmetics, tooth powd., toilet articles, cements, glass, metal polishes, lithographic stones; acid tower filler; substratum for catalysts; filler in paints, varnishes, enamels, and scouring soaps; in printing; ingredient of various compositions of matter for fireproofing, insulating, polishing purposes, etc.; in process engraving; tanning leather; in medicine. Grades—lump; powdered; ground.

J T Baker Chem Co, Phillipsburg, N J
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Buckingham Products Co, 14100 Fullerton Ave, Detroit 27, Mich
Charles B Chrystal Co, 53 Park Pl, N Y 7
*Crosby Chem, Drawer 32, De Ridder, La
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Fay-Cole & Co, 71 India St, Boston, Mass
*K F Griffiths & Co, 280 Madison Ave, N Y 16
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Hammill & Gillespie, 225 Broadway, N Y 7
Enos F Jones Chem Co, 14 Florence St, Jersey City 4, N J
L J & M La Place, Leliarts Lane, E Paterson, N J

ITALIAN

PUMICE STONE

QUARTZ
SILEX
VIENNA LIME

CBC CHARLES B. CHRYSTAL MINERALS, CLAYS, COLORS 1897 NEW YORK

ROUGE
GROUND GLASS
TRIPOLI

CHARLES B. CHRYSTAL CO., INC.

Established 54 Years

57 PARK PLACE NEW YORK 7

PLANT-WAREHOUSE JERSEY CITY

PUMICE STONE, continued

Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
Murray Williams Color & Chem Co, 353 Boyden Ave, Maplewood, N J

PURIFIED OZOKERITE see Wax, Ceresin

PURPLE OXIDE see Iron Oxide, Red

PUTTY, ACID-RESISTANT

Specially formulated putty containing ingredients possessing resistance to action of acids and used in places where contamination is likely to occur and where ordinary putty would crumble and dust quickly. See also Glazing Compounds.

*Baker Paint & Varnish Co, 218-232 Suydam Ave, Jersey City 4, N J
*E I Du Pont de Nemours & Co, Explosives Dept, Chem & Misc Sales Section, Wilmington 98, Del
Prentiss Drug & Chem Co, 110 William St, N Y 38
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

PYOKTANIN BLUE see Methyl Violet

PYRAMIDONE see Aminopyrine

PYRETHRUM

Dried powd. derived from chrysanthemum flowers and Persian insect flowers. Uses—active ingredient in fly sprays, insecticides, etc. Tariff, pyrethrum or insect flowers, free.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
*Chem Insecticide Corp, 57 13 St, Bklyn 15, N Y
Chem Service Corp, 82 Beaver St, N Y 5
Dalton-Cooper, 200 W 34 St, N Y
Greene Trading Co, 60 Wall St, N Y 5
McKesson & Robbins, 155 E 44 St, N Y 17
*McLaughlin Gormley King Co, 1715 S E 5 St, Minneapolis 14, Minn
*S B Penick & Co, 50 Church St, N Y 7
*John Powell & Co, 1 Park Ave, N Y 16
Prentiss Drug & Chem Co, 110 William St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
George Uhe Co, 76 9 Ave, N Y 14
*U S Industrial Chem, 60 E 42 St, N Y
*World Spray Co, 4609 Avalon Blvd, Los Angeles, Cal

PYRIDINE

C_5H_5N. M.W. 79.05. Sl. yellow or colorless liq., sharp empyreumatic odor. Sp. gr. 0.988 (15°C). M.P. —42°C. B.P. 115.3°C. Sol. water, alcohol, ether, benzine, benzol, fatty oils. Uses—mfr. indigo pharmaceuticals, acetyl cellulose, incandescent gas mantles; denaturing alcohol; solvent and extracting medium; purifying intermediates and organic chemicals; solvent for chemicals, paints, varnishes, and rubber cements; assistant in dyeing and printing textiles; laboratory reagent; in medicine. Grades—tech.; C.P.; medicinal.

Ala By-Products Corp, P O Box 354, Birmingham, Ala
American-British Chem Supplies, 180 Madison Ave, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bethlehem Steel Co, 701 E 3 St, Bethlehem, Pa
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
Coaltar Chem Corp, 420 Lexington Ave, N Y 17
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
*Donnar-Hanna Coke Corp, Box A, 5 Park Sta, Buffalo 20, N Y
Fallek Products Co, 163 Broadway, N Y 6
Interocean Chem & Minerals Corp, 120 Broadway, N Y 5
J & L Steel Barrel Co, 311 Rose St, Pittsburgh 30, Pa
Jones & Laughlin Steel Co, 3 Ave & Roff St, Pittsburgh 3, Pa
*Milwaukee Solvay Coke Co, 311 E Greenfield Ave, Milwaukee, Wis
Chas Page & Co, 50 E 42 St, N Y 17
*Pittsburgh Coke & Chem Co, 1905 Grant Bldg, Pittsburgh 30, Pa
Reinhart Chem Corp, 405 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Tar Residuals, 420 Lexington Ave, N Y 17
*U S Steel Corp, Coal Chem Sales Div, 525 Wm Penn Pl, Pittsburgh 30, Pa
*Wheeling Steel Corp, Wheeling, W Va

2-PYRIDONE (2-Hydroxy Pyridine)

HOC_5H_4N. M.W. 95.1. Solid. M.P. 106°C. B.P. 280°C. Very sol. water, alcohol; sol. ether.

*Bios Labs, 17 W 60 St, N Y 23

PYRIDOXINE HYDROCHLORIDE see Vitamin B_6

*Company classifies itself as manufacturer or producer of this product

PYRIDYL MERCURIC ACETATE

$C_5H_4NHgO_2C_2H_3$. M.W. 337.8. White granules. Uses—fungicide for cork and coating compositions.

*Bios Labs, 17 W 60 St, N Y 23
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

PYRIDYL MERCURIC CHLORIDE

C_5H_4NHgCl. M.W. 314. White powd. Very sl. sol. water, alcohol, hydrocarbon solvents. Uses—fungicide and bactericide.

*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

PYRIDYL MERCURIC STEARATE

$C_5H_4NHgO_2C(CH_2)_{16}CH_3$. M.W. 562. White powd. Insol. water, alcohol; sol. hot toluene, mixed cellosolve hydrocarbon solvents. Uses—fungicide and bactericide.

*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

PYRIMIDINETRIONE see Acid, Barbituric

b-PYRINDYL-n-METHYL-PYRROLIDINE see Nicotine

PYRITES (Iron Pyrites, Fool's Gold, Ferrous Sulfide)

Iron sulfide mineral, FeS_2 usually with small amounts of Cu, As, Ni, Ce, and Au. Sp. gr. 4.95-5.17. Hardness, 6.0-6.5. Uses—mfr. of sulfuric acid, sulfur, sulfur dioxide, copperas; also in metal recovery and costume jewelry.

American Firstoline Corp, 420 Lexington Ave, N Y
Chematar Inc, Exchange Pl, N Y 5

PYRO see Sodium Pyrophosphate (Tetra)

PYROCATECHIN see Pyrocatechol

PYROCATECHOL (o-Dihydroxybenzene; Pyrocatechinic Acid; Oxyphenic Acid; Catechol; Hydroxphenol; Benzenediol; Pyrocatechin)

$C_6H_4(OH)_2$. M.W. 110.05. Colorless cryst. Sp. gr. 1.344. M.P. 105°C. B.P. 245°C. Sol. in water, alcohol, ether, benzene and chloroform. Uses—antiseptic; photography. Grades—tech.

Edwal Labs, Ringwood, Ill
Faesy & Besthoff, 325 Spring St, N Y 13
B G Feinberg, 112 W 44 St, N Y 18
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa

PYROGALLOL see Acid, Pyrogallic

PYROLIGNEOUS VINEGAR see Acid, Pyroligneous

PYROMUCIC ALDEHYDE see Furfural

PYROPHOSPHATE OF CALCIUM see Calcium Pyro Phosphate

PYROPHYLLITE

$Al_2O_3+SiO_2.H_2O$. Uses—mfr. certain types of ceramic ware; as a filler for hard rubber forms, such as battery boxes; as a diluent in dusting insecticides.

Charles B Chrystal Co, 53 Park Pl, N Y 7
Hammill & Gillespie, 225 Broadway, N Y 7
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
*R T Vanderbilt Co, 230 Park Ave, N Y
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

PYROXYLIC SPIRIT see Methanol

PYROXYLIN see Collodion, Nitrocellulose

PYROXYLIN, SCRAP

American Pyroxylin Corp, P O Box 193, Arlington, N J
*Monsanto Chem Co, Plastics Div, Springfield, Mass

PYROXYLIN SOLUTIONS (Pyroxylinium, Soluble Gun Cotton, Trinitrocellulose, Lacquer Dope, Colloxylin)

Solutions of nitrated cellulose, mainly the tetranitrates. Uses—mfr. moulded plastics. See also Collodion. Grades—U.S.P.; tech.

*Dagmar Chem Co, P O Box 343, Glenbrook, Conn
*Howe & French, Mfg Dept, E Weymouth, Mass
*New England Lacquer Co, Box 89, E Providence, R I
Pyroxyline Products, 4851 S St Louis Ave, Chicago 32, Ill
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

PYROXYLINIUM see Pyroxylin Solutions

PYRROLYLENE see Butadiene

PYRUVIC ALDEHYDE (Methyl Glyoxal)

CH_3COCHO. M.W. 72.06. Deep yellow liq. Sol. water complete. Shipped at 30% solution. Uses—synthesis of pharmaceuticals, dyestuffs, resin polymers.

*Bios Labs, 17 W 60 St, N Y 23
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

QUARTZ

Crystalline form of Silica, SiO_2. Sp. gr. 2.59-2.66. Hardness 7. Uses—in protection of glass, colors and pigments, rubber, soap and polishing compounds, ceramics, cements, enamels, leather and tanning, building stone, tower packing and graining lithographic plates.

Charles B Chrystal Co, 53 Park Pl, N Y 7
Penray Corp, 340 Canal St, N Y 13
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Charles A Wagner Co, 813 Calowhill St, Phila 23, Pa
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

QUATERNARY AMMONIUM COMPOUNDS

*Alrose Chem Co, 180 Mill St, Cranston 5, R I
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Bios Labs, 17 W 60 St, N Y 23
*Central O B Products Co, 1230 Genessee St, Buffalo, N Y
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Finer Chem Corp, Box 2.8, Matawan, N J
*Fine Organics, 211 E 19 St, N Y 3
*Hilton-Davis Chem Co, 2355 Langdon Farm Rd, Cincinnati 12, Ohio
*Kemiko Mfg Co, 500 Chancellor Ave, Irvington 11, N J
Krait Chem Co, 917 W 18 St, Chicago 8, Ill
*Maryn Chem Co, 156 & Forsythe, Calumet City, Ill
McKesson & Robbins, 155 E 44 St, N Y 17
*Medical Chem Corp, 4122 W Grand Ave, Chicago 51, Ill
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Oronite Chem Co, 38 Sansome St, San Francisco, Cal

PYRIDINE
Refined and Crude
PICOLINES
Alpha and Beta-Gamma
SPECIAL TAR BASE FRACTIONS
THE BARRETT DIVISION
Allied Chemical & Dye Corporation
40 Rector St., New York 6, N. Y.
Barrett
*Reg. U.S. Pat. Off.

U·S·S Pyridine
Refined Two Degree
Tank cars or 55-gallon drums
UNITED STATES STEEL COMPANY
525 WILLIAM PENN PLACE, PITTSBURGH 30, PA.
COAL CHEMICALS
UNITED STATES STEEL

KOPPERS
CATECHOL
(Pyrocatechol)
USES: In preparation of dyestuffs and medicinals; in photography; as an oxygen-removal agent; in specialty inks; in the production of antioxidants for rubber and lubricating oils.
GRADES AVAILABLE
Resublimed; C.P. Crystals
KOPPERS COMPANY, INC.
Chemical Division
PITTSBURGH 19, PA.
KOPPERS

*Company classifies itself as manufacturer or producer of this product



* **Onyxide** (Lauroxenyl dimethyl ethyl ammonium bromide) as an algaecide.
* **BTC** (Alkyl dimethyl benzyl ammonium chloride) as a general germicide, disinfectant and deodorant.
* **Isothan Q15** (Lauryl isoquinolinium bromide) as a fungicide.

. . . and many other cationic surface-active quarternary halides of specific values.
Trade Mark Reg. U. S. Pat. Off.

ONYX OIL & CHEMICAL COMPANY
JERSEY CITY 2, N. J.
Chicago • Boston • Charlotte • Atlanta
For Export: Onyx International, Jersey City 2, N. J
West Coast Representative: E. S. Browning Co., San Francisco, Los Angeles

onyx
CHEMICALS FOR INDUSTRY

QUININE

Quinine Hydrochloride

Quinine Sulfate

Cinchonidine

Cinchonine

•

QUINIDINE SULFATE

American Quinine Company

15 William Street
New York 5, N. Y.
HAnover 2-7983

CETYL DIMETHYL BENZYL AMMONIUM CHLORIDE

A TASTELESS QUATERNARY AMMONIUM GERMICIDE

•

SPECIAL CHEMICALS DIVISION

Winthrop-Stearns INC.

1450 BROADWAY, NEW YORK 18, N. Y.

QUATERNARY AMMONIUM COMPOUNDS, continued

*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
*Rohm & Haas Co, Washington Sq, Phil 5, Pa
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Sterwin Chem, 1450 Broadway, N Y 18
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Winthrop-Stearns, 1450 Broadway, N Y 18

QUEBRACHO EXTRACT

Extract from wood of Aspidosperma quebracho blanca. Uses—mordant and color in dyeing and printing fabrics; in tanning leather. Grades—35-37% liq. (ordinary, bleaching); 65% solid (ordinary clarified).

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*American Dyewood Co, 285 Madison Ave, N Y
Barada & Page, Guinotta & Mich Ave, Kansas City 1, Mo
Harvey J Boutin & Son, 7 Front St, San Francisco 11, Cal
Hal Delphin & Co, 880 Bergen Ave, Jersey City 6, N J
Frank G Fanning, 50 E 42 St, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
F J Heap & Son, 65 High St, Boston, Mass
Magnet Cove Barium Corp, Box 6504, Houston 5, Tex
Mass Chem Co, 4570 Ardine St, S Gate, Cal
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
Merchants Chem Co, 60 E 42 St, N Y 17
Nardini Co, 15 Moore St, N Y 4
Olson Sales Agency, 20 Broad St, N Y 5
Rose Chem Co, 296 Pearl St, N Y 38
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Thompson-Hayward Chem Co, 36 N Guthrie, Tulsa, Okla
*Arthur C Trask Co, 4103 S LaSalle St, Chicago 9, Ill
Welch, Holme & Clark Co, 439 West St, N Y 14

QUERCETIN see Quercitron Extract

QUERCIN see Oak Extract

QUERCITRON EXTRACT (Quercetin)

$C_{15}H_{10}O_7$. Extract from bark of Quercus coccinea var. tinctoria. Uses—mordant in dyeing and printing leather; in tanning leather. Grades—liq. (51); powdered; orange and lemon shades.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*American Dyewood Co, 285 Madison Ave, N Y
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

QUICKSILVER see Mercury

QUICKSILVER VERMILION see Mercury Sulfide, Red

QUILLAIA see Soap Bark

QUILLAJA see Soap Bark

QUINALDINE

$C_{10}H_9N$. M.W. 143.18. Sp. gr. 1.056 at 25°/4°C. Refractive Index 1.6072 at 25°C. B.P. 247.0°C (760 mm). M.P. —2.0°C. Sol. in water 0.7% at 25°C. Basicity, ml. N HCl/Gm, 6.99. Odor, sharp, quinoline-like.

QUINALDINE, continued

Color, water-white, discolors on standing. Chemical properties: quinaldine resembles quinoline in chemical properties except for the reactivity of the methyl group which enters into condensation reactions or halogen substitution. Uses—in the preparation of dyes, pharmaceuticals, and fine organic chemicals.

*Barrett Div, 40 Rector St, N Y 6

QUINCE SEED

The dried seeds of a rosaceous tree. Uses—medicinally as mucilage, as a demulcent.

John Clarke & Co, 420 Lexington Ave, N Y 17
D S Daital, 261 5 Ave, N Y 16
Paul A Dunkel & Co, 1 Wall St, N Y 5
Innis Speiden & Co, 117 Liberty St, N Y 6
*Meer Corp, 318 W 46 St, N Y 19
*S B Penick & Co, 50 Church St, N Y 7

QUINHYDRONE

$C_6H_4(OH_2)C_6H_4O_2$. Green cryst. with metallic luster. M.P. 169-170°C. Very sl. sol. water, sol. alcohol, ether. Uses—determination of hydrogen-ion concentration with quinhydrone electrode. Grades—C.P. Cont. —bottles, fiber drums.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
City Chem Corp, 132 W 22 St, N Y 11
*Zinsser & Co, Railroad Ave, Hastings-On-Hudson, N Y

QUINIDINE

$C_{20}H_{24}N_2O_2$. M.W. 324.2. An alkaloid from the bark of cinchona species; the dextro isomer of quinine. Colorless monoclinic prisms. M.P. 168°C. Insol. water; sol. alcohol, ether. Uses—medicinally as a cardiac rhythm regulator and similarly to quinine.

*American Quinine Co, 15 William St, N Y
Biddle Sawyer Div, 25 Broad St, N Y 4
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Kingston Chem Co, 15 William St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

QUINIDINE SULFATE

$(C_{20}H_{24}O_2N_2)_2.H_2SO_4.2H_2O$. M.W. 782.51. White very bitter, odorless fine cryst. Sol. water, alcohol, methanol, chloroform. Uses—medicine.

*American Quinine Co, 15 William St, N Y
Biddle Sawyer Div, 25 Broad St, N Y 4
Fallek Products Co, 163 Broadway, N Y 6
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Kingston Chem Co, 15 William St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
Mutchler Chem Co, 258 Broadway, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schonewaldt-Turner Co, 20 Vesey St, N Y 7

QUININE (Alkaloid)

$C_{20}H_{24}O_2N_2.3H_2O$. M.W. 378.25. White, odorless, bitter cryst. or powd. derived from chinchona bark. Uses—medicine.

*American Quinine Co, 15 William St, N Y
American Roland Corp, 16 Hudson St, N Y

*Company classifies itself as manufacturer or producer of this product

QUININE, continued

Chem Service Corp, 82 Beaver St, N Y 5
Conray Products, 510 6 Ave, N Y 11
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Kingston Chem Co, 15 William St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

QUININE BISULFATE

$C_{20}H_{24}O_2N_2.H_2SO_4.7H_2O$. M.W. 548.39. White, odorless very bitter cryst. or crystalline powd; effluorescent; darkens on exposure to light. Uses—medicinal.

*American Quinine Co, 15 William St, N Y
Biddle Sawyer Div, 25 Broad St, N Y 4
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Kingston Chem Co, 15 William St, N Y 5
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

QUININE HYDROCHLORIDE (Quinine Hydrochlorate, or Muriate)

$C_{20}H_{24}N_2O_2.HCl + 2H_2O$. M.W. 396.91. White, silky, odorless, bitter needles. Sol. water, alcohol. Uses—analytical reagent; medicine.

Philipp Bauer Co, 2 W 47 St, N Y
Biddle Sawyer Div, 25 Broad St, N Y 4
Conray Products, 510 6 Ave, N Y 11
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Kingston Chem Co, 15 William St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, E 26 St, N Y 10
Sterone Corp, 250 W 57 St, N Y 19
George Uhe Co, 76 9 Ave, N Y 14

QUININE HYDROCHLORATE see Quinine Hydrochloride

QUININE MURIATE see Quinine Hydrochloride

QUININE SULFATE

$(C_{20}H_{24}N_2O_2)_2.H_2SO_4 + 7H_2O$. M.W. 872.80. White cryst. Uses—in medicine; brewing.

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer & Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Biddle Sawyer Div, 25 Broad St, N Y 4
Chem Service Corp, 82 Beaver St, N Y 5
Conray Products, 510 6 Ave, N Y 11
*Desmo Chem Corp, 565 5 Ave, N Y 17
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Kingston Chem Co, 15 William St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
Mutchler Chem Co, 258 Broadway, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Sterone Corp, 250 W 57 St, N Y 19
George Uhe Co, 76 9 Ave, N Y 14

QUINIZARINE (Dihydroxyanthraquinone)

$C_{14}H_8O_4$. M.W. 240.13. A colorless solid. M.P. 280°C. Insol. water, sol. alcohol, ether. Uses—intermediate for the mfr. of dyestuffs.

Bendix Chem Corp, 420 Lexington Ave, N Y
*Calco Chem Div, Bound Brook, N J
*Carwin Co, Stiles Lane, N Haven, Conn
Jos Turner & Co, Ridgefield, N J
*Zinsser & Co, Railroad Ave, Hastings-On-Hudson, N Y

QUINOL see Hydroquinone

QUINOLINE (Benzazine, Chinoline)

C_9H_7N. M.W. 129.06. Sp. gr. 1.093. Colorless to yellow liq. B.P. 237.7°C. Sol. alcohol, ether. Uses—organic synthesis, medicine. Grades—C.P.; tech.

*Barrett Div, 40 Rector St, N Y 6
J H Bauminger, 421 7 Ave, N Y
Conray Products, 510 6 Ave, N Y 11
Fallek Products Co, 163 Broadway, N Y 6
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Chas Page & Co, 50 E 42 St, N Y 17
*Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
Reinhart Chem Corp, 405 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
*Tennessee Eastman Co, 10 E 40 St, N Y 16

QUINONE (Benzaquinone, Chinone, p-Dioxybenzene, Benzenone, Dihydrodiketo-Benzene)

$C_6H_4O_2$. Yellow cryst., irritating odor. Sp. gr. 1.307. M.P. 115.7°C. Sol. alcohol, ether, alkalies. Uses—mfr. hydroquinone. Grades—tech.

*Tennessee Eastman Co, 10 E 40 St, N Y 16
*Zinsser & Co, Railroad Ave, Hastings-On-Hudson, N Y

QUINOPHAN [B.P.C.] see Cinchophen

RANCIDITY PREVENTIVES (Oils)

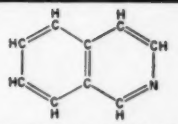
Products which stabilize fats and oils, preventing rancidity by decreasing oxidative deterioration. Where used with edible oil products must have the approval of Food and Drug Administration officials.

R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Merchants Chem Co, 60 E 42 St, N Y 17
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Tennessee Eastman Co, 10 E 40 St, N Y 16

RARE EARTH PRODUCTS

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Ciba Co, 627 Greenwich St, N Y 14
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
K F Griffiths & Co, 280 Madison Ave, N Y 16
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn

It's KOPPERS for
REFINED QUINOLINE



● Distillation range 95% (2% to 97%) with 2°C. between 235-238°C.
Not more than 0.3% water. Not more than 2.0% oil. Color not darker than C-2. Sp. Gr. at 15.5°C. —1.092 to 1.098.
Koppers supplies isoquinoline, quinaldines, and high-boiling Q.S.R. bases for inhibitors.

KOPPERS COMPANY, INC.
Tar Products Division
PITTSBURGH 19, PA.

BENZOQUINONE
CHROMOTROPIC ACID
QUINIZARINE

ZINSSER & COMPANY, Inc.
Hastings-on-Hudson, N. Y.
Established 1897

*Company classifies itself as manufacturer or producer of this product

LINDSAY LIGHT & CHEMICAL COMPANY

West Chicago, Illinois

Est. 1902

THE SEAL OF SERVICE

Commercial quantities of the following salts

Cerium
Didymium
Lanthanum
Neodymium

Rare Earths as a group

Thorium
Barnesite

We welcome your inquiries concerning other rare earths such as Europium, Gadolinium, Praeseodymium, Samarium, and Yttrium.

RARE EARTH PRODUCTS, continued

*Lindsay Light & Chem Co, 258 Ann St, W Chicago, Ill
*Maywood Chem Works, Maywood, N J
*Rare Earths, Box 488 RD 4, Paterson, N J
*Sindar Corp, 330 W 42 St, N Y 18

RARE METALS

Metals whose At. wt. lie between those of barium and tantalum. Includes lanthanum, cerium, praseodymium, neodymium, samarium, europium, gadolinium, terbium, dysprosium, holmium, erbium, thulium, neo-ytterbium, lutecium, celtium, scandium, and yttrium.

*Canadian Radium & Uranium Corp, 630 5 Ave, N Y 20
N Y 20
Chem Commerce, 411 South St, Newark 5, N J
Fleischman, Burd & Co, 22 W 48 St, N Y 19
Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

RARE METAL SALTS

*Bios Labs, 17 W 60 St, N Y 23
Chem Commerce, 411 South St, Newark 5, N J
City Chem Corp, 132 W 22 St, N Y 11
Cole Labs, 42-25 9 St, L I C 1, N Y
L J & M La Place, Lellarts Lane, E Paterson, N J
*Lindsay Light & Chem Co, 258 Ann St, W Chicago, Ill
George F Smith, 60 E 42 St, N Y 17
E Sonnenschein & Co, 276 5 Ave, N Y 1
*Var-Lac-Oid Chem Co, 116 Broad St, N Y 4

RASPITE see Lead Tungstate

REAGENTS see CHEMICALS, REAGENTS and advertisements on this page, also individual listings

REALGAR see Arsenic, Red

RED ARSENIC see Arsenic, Red

RED ARSENIC GLASS see Arsenic, Red

RED ARSENIC SULFIDE see Arsenic, Red

RED IRON TRIOXIDE see Iron Oxide, Red

RED LIQUOR see Aluminum Acetate (Basic)

RED MERCURIC SULFURET see Mercury Sulfide, Red

RED ORPIMENT see Arsenic, Red

RED OXIDE see Iron Oxide, Red

RED POTASSIUM CHROMATE see Potassium Bichromate

RED PRECIPITATE see Mercuric Oxide, Red

RED PRUSSIATE OF POTASH see Potassium Ferricyanide

REFRACTORIES

Specially formulated compounds employed in linings in coal, gas and oil fired furnaces; also for pouring baffles and special shapes; should have very low co-efficient of heat transfer.

*Botfield Refractories Co, Swanson & Clymer Sts, Phila, Pa
*Carborundum Co, Box 337, Niagara Falls, N Y
Donald Sales & Mfg Co, 6601 W State St, Milwaukee 13, Wis
*Eastern Clay Products, Jackson, Ohio
Harbison-Walker Refractories, Farmers Bank Bldg, Pittsburgh 22, Pa
*John W Higman Co, 24 State St, N Y 4
*Ironton Fire Brick Co, Box 124, Ironton, Ohio
*Johns-Manville, 22 E 40 St, N Y 16
*National Carbon Co, 30 E 42 St, N Y 17
*Quigley Co, 527 5 Ave, N Y 17
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

REFRIGERANTS

Various gases which circulated in the coils of refrigerating, ice-making and air-conditioning machinery, compressed or liquefied under pressure, and then allowed to expand, absorb heat from the surrounding medium. More commonly used refrigerants are: ammonia, carbon dioxide, sulfur dioxide, methyl chloride, certain hydrocarbons, such as butane, isobutane, propane and ethane, dichlorodifluoromethane, trichloromonofluoromethane, and dichlorotetrafluoroethane, etc.

American Firstoline Corp, 420 Lexington Ave, N Y
*Barrett Div, 40 Rector St, N Y 6
*Henry Bower Chem Mfg Co, Gray's Ferry Rd & 29 St, Phila 46, Pa
John A Chew, 60 E 42 St, N Y 17
* E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
N H Heyman, 244 E 91 St, N Y 28
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass

REINFORCING AGENTS, RUBBER

*Berry Asphalt Co, Magnolia, Ark
Binney & Smith Co, 41 E 42 St, N Y 17
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Industrial Chem Products Co, 422 E Beacon St, Dayton 2, Ohio
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
*Witco Chem Co, 295 Madison Ave, N Y 17

REMOVERS, CARBON, MOTOR

Products usually added to motor fuels to dissolve deposited carbon in cylinders of gasoline-fired engines and which causes the familiar knock sound and reduces efficiency.

*Berry Asphalt Co, Magnolia, Ark
*Crescent Chem Corp, 450 Market St, Perth Amboy, N J
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
*Curran Corp, 5 Canal St, Lawrence, Mass
*E F Drew & Co, 15 E 26 St, N Y 10
*Fine Organics, 211 E 19 St, N Y 3
E F Houghton & Co, 303 W Lehigh Ave, Phil 33, Pa
*Imperial Products Co, 1600 Fountain St, Phila, Pa
*National Chem Co, 1506 Industrial St, Los Angeles 21, Cal
*Stewart Chem Products Co, Longmont, Col
*A J Stull & Co, 5816 Tacony St, Phila 24, Pa
*Turco Products, P O Box 2649 Terminal Annex, Los Angeles 54, Cal

REMOVERS, GUM

*Alta Solvents Corp, 470 W 128 St, N Y 27
John A Chew, 60 E 42 St, N Y 17
*Fine Organics, 211 E 19 St, N Y 3
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Imperial Products Co, 1600 Fountain St, Phila, Pa
*A J Stull & Co, 5816 Tacony St, Phila 24, Pa

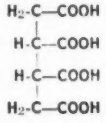
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REMOVERS, INK

*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
Hachik Bleach Co, 50 & Wynnefield Ave, Phila, Pa
*Imperial Products Co, 1600 Fountain St, Phila, Pa
*H Kohnstamm & Co, 83 Park Pl, N Y 7

REMOVERS, OIL AND GREASE

Specialized detergents used to remove oil and grease from various floor surfaces; also to remove oil and grease films from metal parts prior to finishing operations.

*Afta Solvents Corp, 470 W 128 St, N Y 27
Antara Products Div, 435 Hudson St, N Y 14
John A Chew, 60 E 42 St, N Y 17
Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
*Curran Corp, S Canal St, Lawrence, Mass
*Dixo Co, 225 River Rd, Garfield, N J
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Enthone Inc, 442 Elm St, New Haven, Conn
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Fidelity Chem Products Corp, 470 Frelinghuysen Ave, Newark, N J
*Fine Organics, 211 E 19 St, N Y 3
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
*Industrial Colloids & Chem, 127 W Jackson Ave, Knoxville 11, Tenn
International Selling Corp, 70 Pine St, N Y
*K & L Chem Co, 1052 W 78 St, Chicago 20, Ill
*Kem Labs, 101 E 144 St, Bronx 51, N Y
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*London Chem Co, 325 W 32 St, Chicago, Ill
Merchants Chem Co, 60 E 42 St, N Y 17
M Michel & Co, 90 Broad St, N Y 4
*Pan American Refining Corp, 122 E 42 St, N Y 17
*Safran Chem & Supply Co, 531-33 Washington St, Lynn, Mass
*Wm J Schepp Co, 21-23 Summit Ave, E Paterson, N J
*A J Stull & Co, 5816 Tacony St, Phila 24, Pa
*Turco Products, P O Box 2649 Terminal Annex, Los Angeles 54, Cal
*Jacques Wolf & Co, 350 Lexington Ave, Cliffton, N J
*Wyandotte Chem Corp, J B Ford Div, Wyandotte, Mich

REMOVERS, PAINT AND VARNISH

*Alabastine Paint Products, 2639 W Grand Ave, Chicago 12, Ill
Barclay Chem Co, 75 Varick St, N Y
John A Chew, 60 E 42 St, N Y 17
*Crescent Chem Corp, 450 Market St, Perth Amboy, N J
*Curran Corp, S Canal St, Lawrence, Mass
*Dixo Co, 225 River Rd, Garfield, N J
*E F Drew & Co, 15 E 26 St, N Y 10
*Enthone Inc, 442 Elm St, New Haven, Conn
*Fidelity Chem Products Corp, 470 Frelinghuysen Ave, Newark, N J
*Fine Organics, 211 E 19 St, N Y 3
*Haeuser Shellac Co, 52 Warren St, Bklyn 2, N Y
*Imperial Products Co, 1600 Fountain St, Phila, Pa
*Impoil Co, 228 Kearney Ave, Jersey City, N J
*H Kohnstamm & Co, 83 Park Pl, N Y 7
L J & M La Place, Lellarts Lane, E Paterson, N J
*London Chem Co, 325 W 32 St, Chicago, Ill
*Pratt & Lampert, 75 Tonawanda St, Buffalo 7, N Y
B Rauschkoib & Co, 225 W 34 St, N Y 1
*George Senn, 2200 E Westmoreland St, Phila 34, Pa
*Stewart Chem Products Co, Longmont, Col
*A J Stull & Co, 5816 Tacony St, Phila 24, Pa
*Turco Products, P O Box 2649 Terminal Annex, Los Angeles 54, Cal
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*H M Wocher & Son Co, 1223 N 26 St, Phila, Pa

REMOVERS, TAR

*Afta Solvents Corp, 470 W 128 St, N Y 27
*Barrett Div, 40 Rector St, N Y 6
*Bryant Chem Corp, 6 North St, N Quincy, Mass
John A Chew, 60 E 42 St, N Y 17
*Curran Corp, S Canal St, Lawrence, Mass
*Fine Organics, 211 E 19 St, N Y 3
*Imperial Products Co, 1600 Fountain St, Phila, Pa
*K & L Chem Co, 1052 W 78 St, Chicago 20 Ill
L J & M La Place, Lellarts Lane, E Paterson, N J
*Park Chem Co, 8074 Military Ave, Detroit, Mich
*Perkins Soap Co, 210 Albany St, Springfield, Mass
*A J Stull & Co, 5816 Tacony St, Phila 24, Pa
*Watson-Park Co, Bailardvale, Mass
*Jacques Wolf & Co, 350 Lexington Ave, Cliffton, N J

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*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
Bendix Chem Corp, 420 Lexington Ave, N Y
*Dixo Co, 225 River Rd, Garfield, N J
*E F Drew & Co, 15 E 26 St, N Y 10
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Gen Chem Div, Allied Chem Dye Corp, 40 Rector St, N Y 6
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J

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*Kem Labs, 101 E 144 St, Bronx 51, N Y
*H Kohnstamm & Co, 83 Park Pl, N Y 7
M Michel & Co, 90 Broad St, N Y 4
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Southern Textile Chem Corp, 1407 Broadway, N Y 18
*Standard Soap Co of Camden, 205 S 2 St, Camden, N J
*Titan Chem Products, Mill Rd & Wayne St, Jersey City, N J
*Warwick Chem Co Div, Wood River Junction, R I

RESIN COPAL see Gum, Copal

RESIN DAMAR see Gum, Damar

RESIN FILMS

*I N Breetwor & Associates, 4005 Wilshire Blvd, Los Angeles, Cal
*Ciba Co, 627 Greenwich St, N Y 14
*Pennsylvania Industrial Chem Corp, 120 State St Clairton, Pa

RESIN SOLUTION

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*Barrett Div, 40 Rector St, N Y 6
*Ciba Co, 627 Greenwich St, N Y 14
*Crownoil Chem Co, 2-14 49 Ave, L I C 1, N Y
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*E I Du Pont de Nemours & Co, Electrochem Dept & Wilmington 98, Del
Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Durez Plastics & Chem, S Walck Rd, N Tonowanda, N Y
*J L Hopkins & Co, 477 Keap St, Bklyn 11, N Y
*Monsanto Chem Co, Plastics Div, Springfield, Mass
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Pan American Refining Corp, 122 E 42 St, N Y 17
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Shawinigan Products Corp, 350 S Ave, N Y 1
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*U S Industrial Chem, 60 E 42 St, N Y
G A Wharry & Co, 95 Broad St, N Y

RESINA see Rosin, Gum



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Barclay Chem Co, 75 Varick St, N Y
*E I Du Pont Nemours & Co, Polychem Dept, Wilmington, Del
*Monomer-Polymer, 511 Lancaster St, Leominster, Mass
*Peters Chem Mfg Co, 3623 Lake St, Melrose Park, Ill
*Rohm & Haas Co, Washington Sq, Phila 5, Pa

RESINS, ALKYD

Condensation products of a polybasic acid and a polyhydric alcohol; find wide application in the formulation of paints, varnishes, lacquers, etc.

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*American Cyanamid Co, Plastics & Resins Div, 30 Rockefeller Plaza, N Y 20
Barclay Chem Co, 75 Varick St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
*Crownoil Chem Co, 2-14 49 Ave, L I C 1, N Y
De Bear Inc, 636 11 Ave, N Y 19
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*Gen Elec, Pittsfield, Mass
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
R B Huber, 126 Tremont St, Boston 16 Mass
*Industrial Resin Corp, Jefferson Rd, Whippany, N J
*Jones-Dabney Co, 1481 S 11 St, Louisville 8, Ky
*Libbey-Owens-Ford Plaskon Div, Toledo, Ohio
*C J Osborn Co, 132 Nassau St, N Y
D H Osgood Co, 4181 Oakman Blvd, Detroit 4, Mich
*Pennsylvania-Falk Chem Co, P O Box 1075, Pittsburgh 30, Pa
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Reliance Varnish Co, 4730 Crittenden Dr, Louisville 9, Ky
Republic Chem Corp, 94 Beekman St, N Y 38
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
Texas Solvents & Chem Co, 8501 Market St, Houston 5, Tex
*U S Industrial Chem, 60 E 42 St, N Y
G A Wharry & Co, 95 Broad St, N Y
*John H Witte & Sons, 206 Jefferson, Burlington, Iowa
A J Wittenberg Corp, 29-29 41 Ave, L I C 1, N Y
C L Zimmerman Co, N-204 Cincinnatti Union Terminal, Cincinnati 3, Ohio

RESINS, AROMATIC

Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
Dodge & Olcott, 180 Varick St, N Y 14
*Florasynth Labs, 1513 Olstead Ave, N Y 61
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
*P Robertet, 125 E 23 St, N Y 10
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn

RESINS, BONDING & CASTING

*American Cyanamid Co, Plastics & Resins Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*American-Marietta Co, 3400 13 Ave S W, Seattle, Wash
*Barrett Div, 40 Rector St, N Y 6
*Catalin Corp of America, 1 Park Ave, N Y 16
Ciba Co, 627 Greenwich St, N Y 14
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*Electro Chem Supply & Engrg Co, 750 Broad St, Emmaus, Pa
*Marblette Corp, 37-21 30 St, L I C 1, N Y
*Monsanto Chem Co, Plastics Div, Springfield, Mass
*Naugatuck Chem, Naugatuck, Conn
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Snyder Chem Corp, Henry St, Bethel, Conn
*Varcum Chem Corp, Packard & Pine, Niagara Falls, N Y

RESINS, COAL-TAR

Synthetics produced usually from crude coal-tar naphthas in the approx. B.R. of 150-200°C. The paracoumarone-paraindene resins are thermoplastic, range from a very faint yellow to darker shades; sold in flakes, chips, or liq. form. Coal-tar resins possess good resistance to alkalies and acids; used as a binder in floor tile, in rubber compounding, in varnish formulation, in adhesives, rubber cements, mixed with other synth. resins for special purposes.

Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa

*Company classifies itself as manufacturer or producer of this product

RESINS, COAL-TAR, continued

*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
*Varcum Chem Corp, Packard & Pine, Niagara Falls, N Y
C L Zimmerman Co, N-204 Cincinnati Union Terminal, Cincinnati 3, Ohio

RESINS, COATING

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*American Cyanamid Co, Plastics & Resins Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
*Ciba Co, 627 Greenwich St, N Y 14
*Crownoil Chem Co, 2-14 49 Ave, L I C 1, N Y
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Durez Plastics & Chem, 5 Walck Rd, N Tonowanda, N Y
*Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
*Kendall Refining Co, 77 N Kendall Ave, Bradford, Pa
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Krumbhaar Chem, 24-30 Jacobus Ave, S Kearny, N J
*Naugatuck Chem, Naugatuck, Conn
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*C J Osborn Co, 132 Nassau St, N Y
Paul J Pauls, 7-9 Watchung Ave, Plainfield, N J
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Shawinigan Products Corp, 350 5 Ave, N Y 1
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Fred'k A Stresen-Reuter, 2113 W Medill Ave Chicago 47, Ill
* U S Industrial Chem, 60 E 42 St, N Y
*Varcum Chem Corp, Packard & Pine, Niagara Falls, N Y
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RESINS, COUMARONE

Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Krekel Goetz Sales & Supply Co, 302 Housman Bldg, Grand Rapids 2, Mich
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
*Smead & Small, 1630 Hanna Bldg, Cleveland 15, Ohio

RESINS, FURFURYL ALCOHOL

Barclay Chem Co, 75 Varick St, N Y
*Durez Plastics & Chem, 5 Walck Rd, N Tonowanda, N Y
*Electro Chem Supply & Engrg Co, 750 Broad St, Emmaus, Pa
Paul J Pauls, 7-9 Watchung Ave, Plainfield, N J

RESINS, HYDROCARBON

Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Hawkhurst & Co, Mills Tower, 220 Bush St, San Francisco 4, Cal
*Kendall Refining Co, 77 N Kendall Ave, Bradford, Pa
*Neville Co, 90 Neville Is, Pittsburgh 25, Pa
*Pan-American Refining Co, 122 E 42 St, N Y 17
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
J B Ruth & Co, 114 S Central Ave, Los Angeles 12, Cal
*Sinclair Refining Corp, 600 5 Ave, N Y 18
Wilson Carbon Co, 60 E 42 St, N Y 17

RESINS, IMPREGNATING

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*American Cyanamid Co, Plastics & Resins Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*American-Marietta Co, 3400 13 Ave S W, Seattle, Wash
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
*Catalin Corp of America, 1 Park Ave, N Y 16
Ciba Co, 627 Greenwich St, N Y 14
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*Dow Corning Corp, Midland, Mich
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Interchem Corp, 224 McWhorter St, Newark, N J
*Krumbhaar Chem, 24-30 Jacobus Ave, S Kearny, N J
*Marblette Corp, 37-21 30 St, L I C 1, N Y

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*Monsanto Chem Co, Plastics Div, Springfield, Mass
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Snyder Chem Corp, Henry St, Bethel, Conn
*Varcum Chem Corp, Packard & Pine, Niagara Falls, N Y

RESINS, ION EXCHANGE

*Chem Process Co, 901 Spring St, Redwood City, Cal
*Dow Chem Co, Midland, Mich
*Elgin Softener Corp, Elgin, Ill
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
National Aluminate Corp, 6216 W 66 Pl, Chicago 38, Ill
*Permutit Co, 330 W 42 St, New York 18, N Y
*Rohm & Haas Co, Washington Sq, Phila 5, Pa

RESINS, MALEIC

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*American Cyanamid Co, Plastics & Resins Div, 30 Rockefeller Plaza, N Y 20
Barclay Chem Co, 75 Varick St, N Y
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Industrial Resin Corp, Jefferson Rd, Whippany, N J
*Jones-Dabney Co, 1481 S 11 St, Louisville 8, Ky
*Krumbhaar Chem, 24-30 Jacobus Ave, S Kearny, N J
*C J Osborn Co, 132 Nassau St, N Y
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
Scholle Chem Corp, 6641 Ridge Ave, Chicago 26, Ill
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*U S Industrial Chem, 60 E 42 St, N Y
G A Wharry & Co, 95 Broad St, N Y
A J Wittenberg Corp, 29-29 41 Ave, L I C 1, N Y

RESINS, MELAMINE

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*American Cyanamid Co, Plastics & Resins Div, 30 Rockefeller Plaza, N Y 20
Barclay Chem Co, 75 Varick St, N Y
Ciba Co, 627 Greenwich St, N Y 14
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Monsanto Chem Co, Plastics Div, Springfield, Mass

RESINS, METHACRYLATE

*American Polymer Corp, 101 Foster St, Peabody, Mass
*Wallace A Erickson & Co, 842 N Wells St, Chicago 14, Ill
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Monomer-Polymer, 511 Lancaster St, Leominster, Mass

RESINS, NATURAL

James H Furnam Co, 59 E Van Buren St, Chicago 5, Ill
Gillespie-Rogers-Pyatt Co, 75 West St, N Y 6
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*J H Hinz Co, 405 Rockefeller Bldg, Cleveland 13, Ohio
Jensen & McClelland, 510 N Dearborn St, Chicago 10, Ill
*R B H Dispersions, 2 Hamilton St, Bound Brook, N J
*U S Industrial Chem, 60 E 42 St, N Y

RESINS, OIL-PROOF

Synth. products with high resistance to the actions of gasoline, lubricating oils, kerosene, greases, etc., and used to formulate special oil-proof coatings.

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*Durez Plastics & Chem, 5 Walck Rd, N Tonowanda, N Y
*Neville Co, 190 Newille Is, Pittsburgh 25, Pa
*Shawinigan Products Corp, 350 5 Ave, N Y 1

RESINS, PHENOL FORMALDEHYDE

*Acme Resin Corp, 401 Circle Ave, Forest Park, Ill
*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
American Firestoline Corp, 420 Lexington Ave, N Y
*American-Marietta Co, 3400 13 Ave S W, Seattle, Wash
W R E Andrews Sales, 1505 Race St, Phila, Pa
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
*Borden Co, 350 Madison Ave, N Y 17
*California Flaxseed Products Co, 3126 E 26 St, Los Angeles 23, Cal
Chem Service Corp, 82 Beaver St, N Y 5
*Corn Belt Adhesives, 815 22 Ave, Council Bluffs, Iowa
De Bear Inc, 636 11 Ave, N Y 19
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*Durez Plastics & Chem, 5 Walck Rd, N Tonowanda 3, N Y
*Industrial Resin Corp, Jefferson Rd, Whippany, N J
*Ironsides Co, Box 1999, Columbus, Ohio
*Knoedler Chem Co, 651 High St, Lancaster, Pa
*Krumbhaar Chem, 24-30 Jacobus Ave, S Kearny, N J
*Marblette Corp, 37-21 30 St, L I C 1, N Y

*Company classifies itself as manufacturer or producer of this product

NEVILLE

LX 685 RESIN

Oxidizing (heat reactive) petroleum resin used in manufacture of high quality floor and concrete paints, porch and deck enamels, metal primers, gasoline and grease-proof coatings, chassis blacks and fast drying aluminum paints at less cost.

THE NEVILLE COMPANY
PITTSBURGH 25, PA.

RESINS, PHENOL FORMALDEHYDE, continued

Monsanto Chem Co, Plastics Div, Springfield, Mass
Paul J Pauls, 7-9 Watchung Ave, Plainfield, N J
*Perkins Glue Co, Lansdale, Pa
*Reichhold Chem, 601-707 Woodward Heights, Blvd, Detroit 20, Mich
Republic Chem Corp, 94 Beekman St, N Y 38
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Snyder Chem Corp, Henry St, Bethel, Conn
*U S Industrial Chem, 60 E 42 St, N Y
*Varcum Chem Corp, Packard & Pine, Niagara Falls, N Y

RESINS, PHENOL FURFURAL

*Borden Co, 350 Madison Ave, N Y 17
*Snyder Chem Corp, Henry St, Bethel, Conn

RESINS, PHENOLIC (Modified)

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
American Firstoline Corp, 420 Lexington Ave, N Y
*American-Marietta Co, 3400 13 Ave S W, Seattle, Wash
W R E Andrews Sales, 1505 Race St, Phila, Pa
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
*Borden Co, 350 Madison Ave, N Y 17
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*Durez Plastics & Chem, 5 Walck Rd, N Tonowanda 3, N Y
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Industrial Resin Corp, Jefferson Rd, Whippany, N J
*Krumbhaar Chem, 24-30 Jacobus Ave, S Kearny, N J
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*C J Osborn Co, 132 Nassau St, N Y
Paul J Pauls, 7-9 Watchung Ave, Plainfield, N J
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Snyder Chem Corp, Henry St, Bethel, Conn
*U S Industrial Chem, 60 E 42 St, N Y
G A Wharry & Co, 95 Broad St, N Y
A J Wittenberg Corp, 29-29 41 Ave, L I C 1, N Y

RESINS, POLYAMIDE

Barclay Chem Co, 75 Varick St, N Y
De Bear Inc, 636 11 Ave, N Y 19
E I Du Pont de Nemours & Co, Wilmington 98, Del
*E I Du Pont de Nemours & Co, Polychem Dept, Wilmington 98, Del
*Gen Mills, Chem Div, 400 2 Ave S, Minneapolis, Minn
Sholle Chem Corp, 6641 Ridge Ave, Chicago 26, Ill

RESINS, POLYESTER

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*American Cyanamid Co, Plastics & Resins Div, 30 Rockefeller Plaza, N Y 20
*Bakelite Co Div, 30 E 42 St, N Y 17
Barclay Chem Co, 75 Varick St, N Y
*Crownoil Chem Co, 2-14 49 Ave, L I C 1, N Y
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*Dow Chem Co, Midland, Mich
*Gen Elec, Pittsfield, Mass
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Krumbhaar Chem, 24-30 Jacobus Ave, S Kearny, N J
*Marco Chem, Sewaren, N J
Naugatuck Chem, Naugatuck, Conn

RESINS, POLYSTYRENE

Colorless liq, boiling at 146°C and having a dens. of 0.925. Ethyl benzene is the raw material. Is readily converted into solid polystyrene by heating with or without catalysts. Physical properties can be made to vary widely by the conditions under which polymerization is conducted. Uses—in electrical work because of its di-

RESINS, POLYSTYRENE, continued

electric properties; as a true thermoplastic; as a hardening and adhesive promoting agent for waxes; as a base for low varnishes and lacquers. Highly resistant to water, alcohol, most acids and bases. Softening point of approx. 90°C. Dens. 1.054. Readily molded at temperatures between 145 and 160°C.

American Firstoline Corp, 420 Lexington Ave, N Y
*American Polymer Corp, 101 Foster St, Peabody, Mass
Barclay Chem Co 75 Varick St, N Y
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*Dow Chem Co, Midland, Mich
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Monsanto Chem Co, Plastics Div, Springfield, Mass
G A Wharry & Co, 95 Broad St, N Y

RESINS, PRINTING INK

*Acme Shellac Products Co, 100 Blanchard St, Newark, N J
*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*American Cyanamid Co, Plastics & Resins Div, 30 Rockefeller Plaza, N Y 20
*American Polymer Corp, 101 Foster St, Peabody, Mass
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
W R E Andrews Sales, 1505 Race St, Phila, Pa
Barclay Chem Co, 75 Varick St, N Y
*Borg-Warner Corp, 1926 W 10 Ave, Gary, Ind
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Durez Plastics & Chem, 5 Walck Rd, N Tonowanda, N Y
*Firestone Tire & Rubber Co, P O Box 690, Pottstown, Pa
*Hilton-Davis Chem Co, 2355 Langdon Farm Rd, Cincinnati 12, Ohio
*Industrial Resin Corp, Jefferson Rd, Whippany, N J
*Interchem Co, Hawthorne, N J
*Krumbhaar Chem, 24-30 Jacobus Ave, S Kearny, N J
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*C J Osborn Co, 132 Nassau St, N Y
Paul J Pauls, 7-9 Watchung Ave, Plainfield, N J
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Siemon Colors, 318 Ogden St, Newark 4, N J
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*U S Industrial Chem, 60 E 42 St, N Y
Wilson Carbon Co, 60 E 42 St, N Y 17

RESINS, RESORCIN

*American-Marietta Co, 3400 13 Ave S W, Seattle, Wash
Barclay Chem Co, 75 Varick St, N Y
*Borden Co, 350 Madison Ave, N Y 17
*Corn Belt Adhesives, 815 22 Ave, Council Bluffs, Iowa
*Durez Plastics & Chem, 5 Walck Rd, N Tonowanda 3, N Y
*Perkins Glue Co, Lansdale, Pa

RESINS, ROSIN DERIVATIVES

Water-white viscous liq. resins derivd from the alcoholic derivatives. Used in nitrocellulose lacquers, for coating papers and fabrics.

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
Barclay Chem Co, 75 Varick St, N Y
*Crosby Chem, Drawer 32, De Ridder, La
*Crownoil Chem Co, 2-14 49 Ave, L I C 1, N Y
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
Gillies & Loughlin, 6363 Wilshire Blvd, Los Angeles 48, Cal

DUREZ

. . . Plastics and Resins that fit the job

Phenolic molding compounds of all types: general-purpose, impact, electrical - resistant, heat-resistant, non-bleeding, special-purpose. Phenolic resins for laminating, insulating, impregnating paper, fabric and wood; for adhesives, coatings, acid-proof cements, casting, rubber compounding, sand molds and cores. Water-soluble resins. Oil-soluble resins for paints, lacquers, varnishes, printing inks, waxes.

DUREZ
PLASTICS & CHEMICALS, INC.
5 Walck Road
North Tonawanda, New York

RESINS, ROSIN DERIVATIVES, continued

*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*J M Huber Corp, 100 Park Ave, N Y 17
*Krumbhaar Chem, 24-30 Jacobus Ave, S Kearny, N J
*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20
Schibley & Ossman, 33 Public Sq, Cleveland, Ohio
Texas Solvents & Chem Co, 8501 Market St, Houston 5, Tex
*U S Industrial Chem, 60 E 42 St, N Y

RESINS, RUBBER

Substances derived from rubber used as base in the mfr of coating materials and finishes; possess good resistance to acids, alkalies, and corrosive chemicals; effectively withstand moisture penetration, salt water spray, have good electrical properties, insol. in most solvents, tasteless, odorless, and non-toxic, and with excellent adhesive and bonding properties.

*American Polymer Corp, 101 Foster St, Peabody, Mass
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
*Borg-Warner Corp, 1926 W 10 Ave, Gary, Ind
Gen Latex & Chem Corp, 666 Main St, Cambridge, Mass
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*J M Huber Corp, 100 Park Ave, N Y 17
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Pan American Refining Corp, 122 E 42 St, N Y 17
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
*Varcum Chem Corp, Packard & Pine, Niagara Falls, N Y
Wilson Carbon Co, 60 E 42 St, N Y 17

RESINS, SYNTHETIC

"Complex substantially anorg. organic semi-solids or solid materials (usually a mixture of substances) built up by chemical reaction of comparatively simple compounds, and, depending upon the temperature at which the examination is made, approximating the natural resins in various physical properties; namely lustre, fracture, comparative brittleness, insolubility in water, fusibility,

*Company classifies itself as manufacturer or producer of this product

SYNTHETIC RESINS

Alkyd (Beckosols), Pure Phenolic (Super-Beckacites), Modified Phenolic and Maleic (Beckacites), Urea (Beckamines), Styrenated Alkyd (Styresols), Pentaerythritol (Pentacites), Ester Gum (Synthe-Copal), Processed Copals (Beckopol and Kopol)

REICHHOLD CHEMICALS, INC.

DETROIT, MICHIGAN

RCI

Brooklyn, N. Y. Elizabeth, N. J. Tuscaloosa, Ala.

Seattle, Wash. So. San Francisco and Azusa, Calif. Chicago, Ill.

NEVILLE

SYNTHETIC RESINS

Coumarone, modified Coumarone, Petroleum and Alkylated Phenol resins for Adhesives, Chewing Gum, Coatings, Floor Tile, Ink, Rubber, Textile Proofing Varnish, etc.

THE NEVILLE COMPANY

PITTSBURGH 25, PA.

SYNTHETIC RESINS

PARA COUMARONE INDENE RESINS

(PICCOUMARON)
Flaked or Solid

A complete range of melting points and colors for light or dark compounds.

PICCOLYTE Terpene Resins

Pure hydro-carbon Terpene Resins.

PICCOLASTIC Styrene Resins

Polymers of Styrene and its homologues comprising a wide range of melting points, molecular weights and solvencies.

Alkali and acid resisting to a high degree.

RESINEX

A polymerized aromatic resin type softener. Improves tensile, elongation, resistance to abrasion and cut-growth. Its softening action speeds milling and smooths out stocks for better extrusion. Available in complete range of melting points from liquid to solid.

RECORD RESINS

A Modified Styrene designed especially for phonograph record binder.

HARWICK STANDARD CHEMICAL CO.

AKRON, OHIO

BRANCHES: BOSTON, TRENTON, CHICAGO, LOS ANGELES

RESINS, SYNTHETIC, continued

or plasticity when heated or exposed to heat and pressure, and, at a certain more or less narrow temperature range before fusion, a degree of rubber-like extensibility; but commonly deviating widely from natural resins in chemical constitution and behavior with reagents." (Carleton Ellis, Modern Plastic Yearbook). See also Resins, Alkyd; Resins, Acrylic; Plastics, Phenol-Furfural; Resins, Coal Tar; Plastics, Urea; Plastics, Phenolic; Resins, Vinyl, etc.

*Acme Resin Corp, 1401 Circle Ave, Forest Park, Ill
*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*American Cyanamid Co, Plastics & Resins Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*American-Marietta Co, 3400 13 Ave, S W, Seattle, Wash
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
W R E Andrews Sales, 1505 Race St, Phila, Pa
*Atlantic Chem Co, 2072 Smith St, Centredale, R I
*Bakelite Co Div, 30 E 42 St, N Y 18
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
*Borden Co, 350 Madison Ave, N Y 17
*Borg-Warner Corp, 1926 W 10 Ave, Gary, Ind
*Carlstadt Chem Co, Carlstadt, N J
*Catalin Corp of America, 1 Park Ave, N Y 16
*Ciba Co, 627 Greenwich St, N Y 14
Edward R Dornoff Co, 2400 W Madison St, Chicago 12, Ill
*Dow Corning Corp, Midland, Mich
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Durez Plastics & Chem, 5 Walck Rd, N Tonowanda 3, N Y
*General Electric Co, Pittsfield, Mass
*Gen Mills, Chem Div, 400 2 Ave S, Minneapolis, Minn
*Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Hilton-Davis Chem Co, 2355 Langdon Farm Rd, Cincinnati 12, Ohio
*J H Hinz Co, 405 Rockefeller Bldg, Cleveland 13, Ohio
*Industrial Resin Corp, Jefferson Rd, Whippany, N J
*Interchemical Co, Hawthorne, N J
*Krumbhaar Chem, 24-30 Jacobus Ave, S Kearny, N J
*Linde Air Products Co, 30 E 42 St, N Y 17
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*Monsanto Chem Co, Plastics Div, Springfield, Mass

HEADQUARTERS FOR

SYNTHETIC RESINS

Dyals
(Phthalic & Maleic Alkyds)

Dyphenes
(100% Phenolics)

Dymals
(Maleic Resins)

Dyphenites
(Modified Phenolics)

THE SHERWIN-WILLIAMS CO.

PIGMENT, CHEMICAL AND COLOR DIV.

Cleveland New York Chicago Oakland

And other principal cities

*Company classifies itself as manufacturer or producer of this product

HERCULES



SYNTHETIC RESINS

An expanding series of modified and unmodified alkyd, maleic and phenolic resins of various types.



GM51-1

HERCULES POWDER COMPANY
978 Market St., Wilmington, Del.

Rohm & Haas Names to remember in
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for

PAINTS varnishes, lacquers, printing inks
ACRYLOID—acrylic ester resins
AMBERLAC—modified alkyd resins
AMBEROL—phenol formaldehyde resins
DURAPLEX—alkyd resins
PARAPLEX—alkyd resin plasticizers
UFORMITE—urea formaldehyde resins

PLASTICIZERS for vinyl and other compounds
PARAPLEX G series—non-migrating resinous plasticizers
MONOPLEX DOS—dioctyl sebacate
MONOPLEX DBS—dibutyl sebacate

ADHESIVES for bonding plywood and furniture
AMBERLITE—phenol and resorcinol formaldehyde types
UFORMITE—powder and liquid form urea formaldehyde types
TEGO—phenol formaldehyde resin in film form

PAPER with improved wet-strength, dry tensile, wet-rub and other properties
UFORMITE—urea formaldehyde resins in liquid and powder form

REINFORCED PLASTICS
PARAPLEX P series—polyester resins

ION EXCHANGE
for treating water, for isolation, concentration and purification processes
AMBERLITE—ion exchange resins

For technical data write Rohm & Haas Company, Dept. BG, Washington Square, Philadelphia 5, Pa.

ACRYLOID, AMBERLAC, AMBERLITE, AMBEROL, DURAPLEX, MONOPLEX, PARAPLEX, TEGO and UFORMITE are trade-marks, Reg. U.S. Pat. Off. and in principal foreign countries.

RESINS and LATICES

Approved Standards and Specialties to Serve You

ADHESIVES
COATINGS
IMPREGNANTS
BINDERS

For
PAPER—METAL—
TEXTILE—WOOD

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PICCO

PICCO
SYNTHETIC RESINS

Coal Tar Naphthas • Solvents
Reclaiming Oils • Plasticizers

Picco Resins include: PICCOLYTE terpene resins, PICCOLASTIC RESINS, based on Styrene, Substituted Styrene and Homologues; PICCOUMARON, para-coumarone indene resins; STYRENE RESINS; TERPENE RESINS.

PENNSYLVANIA INDUSTRIAL CHEMICAL CORP.
CLAIRTON, PENNSYLVANIA
Representatives in Principal Cities

SYNTHETIC RESINS

Mirasol Alkyds

Carbasol Maleics

PIGMENT DISPERSIONS

Nitrocol

Vinycol

Ethycol

OXIDE PIGMENTS

Red

Yellow

Brown

Black

C. J. OSBORN 132 NASSAU ST. SYNTHETIC RESINS COMPANY NEW YORK 7, N. Y. ESTABLISHED 1909

RESINS, SYNTHETIC, continued

*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Naugatuck Chem, Naugatuck, Conn
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*C J Osborn Co, 132 Nassau St, N Y
*Paisley Products, 630 W 51 St, N Y
*Pan American Refining Corp, 122 E 42 St, N Y 17
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
*Pennsylvania-Falk Chem Co, P O Box 1075, Pittsburgh 30, Pa
*Perkins Glue Co, Lansdale, Pa
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Shawinigan Products Corp, 350 5 Ave, N Y 1
*Sherwin-Williams Co, 100 Park Ave, N Y 17
Wm B Tabler Co, 1612 Heyburn Bldg, Louisville, Ky
*U S Industrial Chem, 60 E 42 St, N Y
*Varcum Chem Corp, Packard & Pine, Niagara Falls, N Y
G A Wharry & Co, 95 Broad St, N Y
C L Zimmerman Co, N-204 Cincinnati Union Terminal, Cincinnati 3, Ohio

RESINS, TERPENE

W R E Andrews Sales, 1505 Race St, Phila, Pa
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
*Varcum Chem Corp, Packard & Pine, Niagara Falls, N Y

RESINS, UREA FORMALDEHYDE

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*American Cyanamid Co, Plastics & Resins Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*American-Marietta Co, 3400 13 Ave S W, Seattle, Wash
*Bakelite Co Div, 30 E 42 St, N Y 17
Barclay Chem Co, 75 Varick St, N Y
*Borden Co, 350 Madison Ave, N Y 17
*Bryant Chem Corp, 6 North St, N Quincy, Mass
*Carlstadt Chem Co, Carlstadt, N J
Continental Chem Co, 195 21 Ave, Paterson, N J
*Corn Belt Adhesives, 815 22 Ave, Council Bluffs, Iowa
*Jones-Dabney Co, 1481 S 11 St, Louisville 8, Ky
*Libbey-Owens-Ford Plaskon Div, 2105 Sylvan Ave, Toledo 6, Ohio
*Maher Color & Chem Co, 355 W Ontario St, Chicago

RESINS, UREA FORMALDEHYDE, continued

*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Monsanto Chem Co, Springfield, Mass
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Perkins Glue Co, Lansdale, Pa
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Scher Bros, 519 Getty Ave, Clifton, N J
*Snyder Chem Corp, Henry St, Bethel, Conn
*Synthron Inc, Ashton, R I
*U S Industrial Chem, 60 E 42 St, N Y
*Warwick Chem Co Div, Wood River Junction, R I
*Watson-Park Co, Ballardvale, Mass
G A Wharry & Co, 95 Broad St, N Y

RESINS, VARNISH

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*American Cyanamid Co, Plastics & Resins Div, 30 Rockefeller Plaza, N Y 20
W R E Andrews Sales, 1505 Race St, Phila, Pa
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Crownoil Chem Co, 2-14 49 Ave, L I C 1, N Y
*Dow Corning Corp, Midland, Mich
*Durez Plastics & Chem, 5 Walck Rd, N Tonowanda, N Y
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Hilton-Davis Chem Co, 2355 Langdon Farm Rd, Cincinnati 12, Ohio
*Industrial Resin Corp, Jefferson Rd, Whippany, N J
*Krumbhaar Chem, 24-30 Jacobus Ave, S Kearny, N J
*Marblette Corp, 37-21 30 St, L I C 1, N Y
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*C J Osborn Co, 132 Nassau St, N Y
*Pan American Refining Corp, 122 E 42 St, N Y 17
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Snyder Chem Corp, Henry St, Bethel, Conn
Texas Solvents & Chem Co, 8501 Market St, Houston 5, Tex
*U S Industrial Chem, 60 E 42 St, N Y
*Varcum Chem Corp, Packard & Pine, Niagara Falls, N Y
A J Wittenberg Corp, 29-29 41 Ave, L I C 1, N Y

RESINS, VINYL

Thermoplastic resins made by the polymerization of vinyl acetate, vinyl chloride, and combinations of the two, possessing the characteristics of being tasteless, odorless, non-flammable, and with the exception of the polyvinyl acetate group not acted upon by acids, alkalies, alcohol, water, oil, greases, etc. Vinyl resins find wide application in lining metal containers, for caps, coating cements, coatings, molding phonograph records, dentures, impregnating fabrics, coating papers, and for molding miscellaneous items. Available in sheets, rods, tubes, and powder for molding.

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*Amalgamated Chem Corp, Rorer & Ontario Sts, Phila 34, Pa
American Firstoline Corp, 420 Lexington Ave, N Y
*American Polymer Corp, 101 Foster St, Peabody, Mass
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
Arabol Mfg Co, 110 E 42 St, N Y 17
*Bakelite Co Div, 30 E 42 St, N Y 17
Barclay Chem Co, 75 Varick St, N Y
*Carlstadt Chem Co, Carlstadt, N J
Chem Service Corp, 82 Beaver St, N Y 5
Continental Chem Co, 195 21 Ave, Paterson, N J
*Corn Belt Adhesives, 815 22 Ave, Council Bluffs, Iowa
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Firestone Tire & Rubber Co, P O Box 690, Pottstown, Pa
Gen Latex & Chem Corp, 666 Main St, Cambridge, Mass
*Monomer-Polymer, 511 Lancaster St, Leominster, Mass
*Monsanto Chem Co, Plastics Div, Springfield, Mass
*Naugatuck Chem, Naugatuck, Conn
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
Shapiro & Novick, 60 Broad St, N Y 4
*Shawinigan Products Corp, 350 5 Ave, N Y 1
G A Wharry & Co, 95 Broad St, N Y

RESINS, VINYL ORGANISOL

*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*Bakelite Co Div, 30 E 42 St, N Y 17
Barclay Chem Co, 75 Varick St, N Y
*Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Warwick Chem Co Div, Wood River Junction, R I

ALKYDOL *Products*

serve the following industries . . .

Paint
Varnish
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with raw materials such as . . .

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Ester gums
Metal resinates
Tall oil esters
Plasticizers
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Write for literature, samples and quotations
Representatives in principal cities

ALKYDOL LABORATORIES, INC.

3242 South 50th Avenue, Cicero 50, Illinois

— — Telephone — —

Chicago: Bishop 2-1374
2-1375
2-1376

Cicero: OLympic 2-7740

*Company classifies itself as manufacturer or producer of this product

RESINS, VINYL PLASTISOL

*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*Bakelite Co Div, 30 E 42 St, N Y 17
Barclay Chem Co, 75 Varick St, N Y
*E F Boruski Jr, 162 W 54 St, N Y
Gen Latex & Chem Corp, 666 Main St, Cambridge, Mass
*Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
*Monsanto Chem Co, Plastics Div, Springfield, Mass
*United Chromium, 100 E 42 St, N Y
*Warwick Chem Co Div, Wood River Junction, R I

RESINS, WATER SOLUBLE

*Acme Resin Corp, 1401 Circle Ave, Forest Park, Ill
*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
American Firstoline Corp, 420 Lexington Ave, N Y
*American Polymer Corp, 101 Foster St, Peabody, Mass
W R E Andrews Sales, 1505 Race St, Phila, Pa
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
*Carlstadt Chem Co, Carlstadt, N J
*Corn Belt Adhesives, 815 22 Ave, Council Bluffs, Iowa
*E I Du Pont de Nemours & Co, Elektrochem Dept, Wilmington 98, Del
*Durez Plastics & Chem, 5 Walck Rd, N Tonowanda 3, N Y
*Emkay Chem Co, 319 2 St, Elizabeth 1, N J
*Maher Color & Chem Co, 355 W Ontario St, Chicago 11, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Paisley Products, 630 W 51 St, N Y
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Shawinigan Products Corp, 350 5 Ave, N Y 1
*Snyder Chem Corp, Henry St, Bethel, Conn
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*United Paste & Glue Corp, 40-42 Renwick St, N Y 13
*Varcum Chem Corp, Packard & Pine, Niagara Falls, N Y

RESINS, WRINKLING

Barclay Chem Co, 75 Varick St, N Y
*Durez Plastics & Chem, 5 Walck Rd, N Tonowanda 3, N Y
*Jones-Dabney Co, 1481 S 11 St, Louisville 8, Ky
*C J Osborn Co, 132 Nassau St, N Y
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Scher Bros, 519 Getty Ave, Clifton, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

RESORCIN see Resorcinol

RESORCINOL (Resorcin, m-Dihydroxybenzene, Benzenediol)

$C_6H_4(OH)_2$. M.W. 110.05. Almost colorless cryst. Sp. gr. 1.285 (15°C). M.P. 110°C. B.P. 276°C. Sol. water, alcohol, benzene, amyl alcohol. Uses—mfr. phthalein and azo dyestuffs, fluorescein colors, pharmaceuticals, trinitroresorcinol, eosin, hair remedies; camphor substitute in celluloid; laboratory reagent; textile dyeing and printing; in medicine. Grades—U.S.P.; powd.; commercial; crude; resublimed.

J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 7 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Chem Service Corp, 82 Beaver St, N Y 5
B G Feinberg, 112 W 44 St, N Y 18
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
George Uhe Co, 76 9 Ave, N Y 14
United Sterling Corp, 37 E 28 St, N Y
*Witco Chem Co, 295 Madison Ave, N Y 17

RESORCINOL MONOACETATE

$(OH)C_6H_4(CH_3CO_2)$. Thick, oily, yellow liq. B.P. 150-153°/10 mm. Sol. acetone, alcohol, benzene. Uses—in medicine and cosmetics. Grades—N.N.R.

Barclay Chem Co, 75 Varick St, N Y
*Bilhuber-Knoll Corp, 377 Crane St, Orange, N J
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
*Medical Chem Corp, 4122 W Grand Ave, Chicago 51, Ill
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Seydel Chem Co, 225 Mercer St, Jersey City 2, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

RESORCINOLPHTHALEIN see Fluorescein

RETARDANTS, CEMENTS

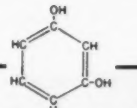
*Sika Chem Corp, 33-47 Gregory Ave, Passaic, N J
G A Wharry & Co, 95 Broad St, N Y

looking for
• more inventive vinyls?
• new polyester potentials?
• unusually tough styrene copolymers?

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THE ROYAL FAMILY OF PLASTICS
• *Marvinol*® vinyl resins
• *Kralastic*® styrene copolymers
• *Vibrin*® polyester resins

Naugatuck Chemical Division of UNITED STATES RUBBER COMPANY
951 ELM STREET, NAUGATUCK, CONNECTICUT

KOPPERS RESORCINOL
(meta-dihydroxybenzene)



KOPPERS COMPANY, INC.
Chemical Division
PITTSBURGH 19, PA.

Grades Available:
Technical and U.S.P.

USES: In the preparation of room-temperature setting resorcinol-formaldehyde resin-adhesives; to modify phenol-formaldehyde, urea-formaldehyde and analogous resins; as a chemical intermediate for dyestuffs, medicinals, textile and leather chemicals, rubber tackifiers, and explosives; as a component of rubber latex adhesives for the treatment of textile reinforcement for rubber.

Heyden
RESORCINOL

A versatile compound for synthesis of organic dyestuffs, cold-setting adhesives, synthetic tanning materials, resins and medicinals.

OTHER HEYDEN INTERMEDIATES

ANISIC ACID... for organic dyestuffs, preservatives, insecticides and pharmaceuticals.

ANISOYL CHLORIDE... for organic dyestuffs, insect repellents and pharmaceuticals.

BETA-OXYNAPHTHOIC ACID... for dyestuffs.

For further information write to

HEYDEN CHEMICAL CORPORATION
393 SEVENTH AVENUE • NEW YORK 1, N. Y.
CHICAGO • PHILADELPHIA • SAN FRANCISCO • DETROIT • PROVIDENCE

*Company classifies itself as manufacturer or producer of this product

RETARDANTS, DYE

Antara Products Div, 435 Hudson St, N Y 14
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Burkart-Schier Chem Co, Chestnut St at 13, Chattanooga 2, Tenn
*Geigy Co, 89 Barclay St, N Y 8
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
L J & M La Place, Leliarts Lane, E Paterson, N J
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
M Michel & Co, 90 Broad St, N Y 4
*Protean Chem Corp, 150 Nassau St, N Y 38
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

RETARDANTS, RUBBER

Materials introduced into uncured rubber which delay the cure in the early stages without affecting adversely the ultimate cure.

*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Calco Chem Div, Bound Brook, N J
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio

RETARDANTS, RUBBER, continued

*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Naugatuck Chem, Naugatuck, Conn
*Rare Metal Products Co, Atglen, Pa

RETINOL see Oil, Rosin

RHENIUM (Metal)

Re. At wt. 186.31. Dark heavy metal unaffected by moist air. M.P. above 3100°C. May be made in powd. form by reduction of the sulfide or oxide. Has marked catalytic properties. Uses—catalyst in hydrogenation of ethylene to ethane; mfr. of electric wires.

*Bios Labs, 17 W 60 St, N Y 23
City Chem Corp, 132 W 22 St, N Y 11
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
Golwynne Chem Corp, 420 Lexington Ave, N Y 17

RHODINOL

$C_{10}H_{19}OH$. M.W. 156.2. Oily liq. with rose odor. Uses—perfumery.

RHODINOL, continued

*Dodge & Olcott, 180 Varick St, N Y 14
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Lautier Fils, 321 S Ave, N Y 16
*Geo Lueders & Co, 427 Washington St, N Y 13
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

RHODIUM (Metal)

Rh. M.W. 102.91. A metal of the platinum group with At. No. 45. Forms a grayish-white ductile metal. Dens.—12.44. M.P. 1920°C. Insol. water and acids. Occurs in platinum ores. Uses—in alloys for thermoelements and other measuring devices.

*Baker & Co, 113 Astor St, Newark 5, N J
*Bios Labs, 17 W 60 St, N Y 23
*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill

RHOMBIC SPAR see Dolomite

RHUS GLABRA see Sumac

RICINUS see Castor Bean

RIO ARROWROOT see Tapioca Flour

ROAD SURFACING COMPOUNDS

Largely tars of varying specifications to meet peculiar problems of road surfacing and maintenance. Such factors as aggregate, weather, traffic volume, grade, drainage, etc., must be considered. Many states, counties, municipalities and the federal government have definite specifications. Reference should also be made to the various specifications of the A.S.T.M. relative to products of this type.

*Barrett Div, 40 Rector St, N Y 6
*Berry Asphalt Co, Magnolia, Ark
John A Chew, 60 E 42 St, N Y 17
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
*Johns-Manville, 22 E 40 St, N Y 16
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Lion Oil Co, El Dorado, Ark
*Naugatuck Chem, Naugatuck, Conn
*Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind

ROCK SALT see Sodium Chloride

ROCK SALT MOSS see Moss, Irish

RODENTICIDES

*Beechem Labs, 1102 W State St, St Johns, Mich
*Chem Insecticide Corp, 57 13 St, Bklyn 15, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Heckathorn & Co, 641 S 4 St, Richmond 3, Cal
*Imperial Products Co, 1600 Fountain St, Phila, Pa
*Innis, Speiden & Co, 117 Liberty St, N Y 6
H R Laist Co, 229 Rialto Bldg, San Francisco 5, Cal
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Nowlin Co, 1410 Throckmorton St, P O Box 1153, Fort Worth, Tex
*John Powell & Co, 1 Park Ave, N Y 16

ROMAN VITRIOL see Copper Sulfate

ROOFING COMPOUNDS

*Armstrong Co, 241 S Post Ave, Detroit, Mich
Asphalt Emulsion Service, 331 Madison Ave, N Y 17
*Barrett Div, 40 Rector St, N Y 6
*Johns-Manville, 22 E 40 St, N Y 16
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
*Riley Bros, 209 N Main St, Burlington, Iowa

ROOTS, HERBS, BARKS, etc., CRUDE

American Firstoline Corp, 420 Lexington Ave, N Y
Block Bros, 141-149 2 Ave, S, Nashville 2, Tenn
Dalton-Cooper, 200 W 34 St, N Y
W R Grace & Co, 7 Hanover Sq, N Y 5
Wm E Martin Co, 205 W 34 St, N Y 1
McKesson & Robbins, 155 E 44 St, N Y 17
*Meer Corp, 318 W 46 St, N Y 19
Mutchler Chem Co, 258 Broadway, N Y 7
Herbert H Parker, 2 Broadway, N Y 4
*S B Penick & Co, 50 Church St, N Y 7
Republic Chem Corp, 94 Beekman St, N Y 38
Sin tung Hing, 215 Market St, San Francisco 5, Cal
Smith Crude Drug & Spice Corp, 101 Beekman St, N Y
Tanners Supply Co, 225 Watson Bldg, 108 Fulton St E, Grand Rapids 2, Mich

ROSIN, GUM (Colophony, Pine Resin, Abietic Anhydride, Yellow Resin, Resina)

Natural, solid amorp. From distillation of crude turpentine. Various colors. Sp. gr. 1.08. M.P. 100-140° C. Uses—mfr. soaps, varnish and paint driers, spirit varnishes, floor waxes and other wax compositions, water-

GALEX

GALEX is a newly developed Resin, stable to oxidation, and rendered much less susceptible to crystallization when mixed with various solvents. Send for data.

NATIONAL ROSIN OIL PRODUCTS, Inc.
R. K. O. Building, Radio City, New York 20, N. Y.
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Pioneer Manufacturer and Refiner of Rosin Oils and Pine Pitch

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"RAT-TROL"*
A WARFARIN PRODUCT
AVAILABLE AS A READY-TO-USE
BAIT OR AS A 0.5% CONCENTRATE
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THOMPSON-HAYWARD CHEMICAL COMPANY
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ROSIN—NATURAL GUMS—ESTER GUMS
PHENOL and MALEIC RESINS
RESIN SPECIALTIES
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ALKYDS — All Specifications
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95 Broad Street · New York 4, N. Y.
Cable Address: KAYWHARRY

*Company classifies itself as manufacturer or producer of this product

WOOD ROSINS

Also manufacturers of Newport Steam Distilled Wood Turpentine, Pine Oils and Palest Limed Tall Oil Gloss Oils ever seen.

NEWPORT INDUSTRIES, Inc.

230 PARK AVENUE NEW YORK 17, N. Y.

ROSIN, GUM, continued

proofing and roofing compositions, leather cements, dressings, shoe polishes, soldering flux, high speed machine lubricants, sealing and shoemaker's waxes, oil-cloth, linoleum, dry batteries and for various electrical mfr. purposes, printing inks, rosin oil, sweeping compounds, cements, rubber substitutes, axle greases, brewer's pitch, dusting molds, foundries, ointments, plasters, artificial amber, pharmaceutical products; adulterating other resins; sizing paper; hardening steel; engraving and lithography; waterproofing boxboard; filler for shrapnel shells; cementing knife handles, etc.; on violin bows, etc.; in textiles; in medicine. Grades—as to color (quoted on basis of 280 lb. gross).

S L Abbot Co, 135 King St, San Francisco 7, Cal
W H Barber Co, 3650 S Homan Ave, Chicago 32, Ill
Chematar Inc, Exchange Pl, N Y 5
John A Chew, 60 E 42 St, N Y 17
Cole & De Graf, 417 Market St, San Francisco 5, Cal
E W Colledge, G S A, P O Box 389, Jacksonville 1, Fla
Commercial Chem, 614 Ellicott Sq, Buffalo 3, N Y
J C Drouillard Co, Rockefeller Bldg, Cleveland 13, Ohio
*Glidden Co, Crestwood-Burton, Jacksonville, Fla
Wm S Gray & Co, 342 Madison Ave, N Y 17
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Hird & Conner, 88 Broad St, Boston 10, Mass
C L Hueston Co, 1998 Glendale Ave, Detroit 6, Mich
International Selling Corp, 70 Pine St, N Y
Mutchler Chem Co, 258 Broadway, N Y 7
Republic Chem Corp, 94 Beekman St, N Y 38
Schibley & Ossmann, 33 Public Sq, Cleveland, Ohio
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Warner-Graham Co, President & Fawn Sts, Baltimore 2, Md
Welch, Holme & Clark Co, 439 West St, N Y 14
West Co, 132 Library St, Chelsea 50, Mass
T C Wilson Co, 503 Market St, San Francisco 5, Cal
E E Zimmerman Co, 1704 Kennan Bldg, Pittsburgh 22, Pa

ROSE VITRIOL see Cobalt Sulfate

ROSIN NON-OXIDIZING

C B Coburn Co, 63 Market St, Lowell, Mass
*Dixie Pine Products Co, Drawer 470, Hattiesburg, Miss
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*National Rosin Oil Products Co, 1270 Ave of the Americas, N Y 20
Thickol Corp, 750 N Clinton Ave, Trenton 7, N J

ROSIN, POWDERED

Dakoline Chem Co, 357 Atlantic Ave, Bklyn, N Y
R Gesell, 200 W Houston St, N Y 14
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 7, Mo
*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20
Welch, Holme & Clark Co, 439 West St, N Y 14
Murray Williams Color & Chem Co, 353 Boyden Ave, Maplewood, N J

ROSIN, WOOD (Colophony)

Natural, solid amorp. By extraction from long leaf pine wood. Grades—FF, I, K, M, N, WG, and WW. Sp. gr. approx. 1.08. M.P. (drop method) 75°-85°C. M.P. (ring and ball method) 70°-80°C. Uses—same as gum rosin.

S L Abbot Co, 135 King St, San Francisco 7, Cal
American-British Chem Supplies, 180 Madison Ave, N Y
Chematar Inc, Exchange Pl, N Y 5
John A Chew, 60 E 42 St, N Y 17
Cole & De Graf, 417 Market St, San Francisco 5, Cal
T G Cooper & Co, 2400 E Venango St, Phila 34, Pa
*Crosby Chem, Drawer 32, De Ridder, La
*Dixie Pine Products Co, Drawer 470, Hattiesburg, Miss
J C Drouillard Co, Rockefeller Bldg, Cleveland 13, Ohio

ROSIN, WOOD, continued

Wm S Gray & Co, 342 Madison Ave, N Y 17
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*J H Hinz Co, 405 Rockefeller Bldg, Cleveland 13, Ohio
Hird & Conner, 88 Broad St, Boston 10, Mass
Abner Hood Chem Co, 507 N Montgall Ave, Kansas City 1, Mo
C L Hueston Co, 1998 Glendale Ave, Detroit 6, Mich
International Selling Corp, 70 Pine St, N Y
Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 7, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
*Newport Industries, 230 Park Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Rimco Trading Corp, 3001 Netherland Ave, N Y 63
Schibley & Ossmann, 33 Public Sq, Cleveland, Ohio
*Southern Naval Stores, Columbia, Miss
Texas Solvents & Chem Co, 8501 Market St, Houston 5, Tex
Warner-Graham Co, President & Fawn Sts, Baltimore 2, Md
Welch, Holme & Clark Co, 439 West St, N Y 14
West Co, 132 Library St, Chelsea 50, Mass
G A Wharry & Co, 95 Broad St, N Y
C L Zimmerman Co, N-204 Cincinnati Union Terminal, Cincinnati 3, Ohio
E E Zimmerman Co, 1704 Kennan Bldg, Pittsburgh 22, Pa

ROSINOL see Oil, Rosin

ROSINS, LIMED

A group of resins produced by treating various grades of wood rosins with chemical hydrated lime under carefully controlled conditions to give a variety of limed rosins. Uses—core binders in floor tile, core oils, printing ink, battery wax, box toes, thermoplastics, gloss oils, matches, cements, adhesives, sealing wax, cold cut varnish, felts, etc.

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
E W Colledge, G S A, P O Box 389, Jacksonville 1, Fla
*Glidden Co, Crestwood-Burton, Jacksonville, Fla
Wm S Gray & Co, 342 Madison Ave, N Y 17
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Newport Industries, 230 Park Ave, N Y 17
*C J Osborn Co, 132 Nassau St, N Y
*Otis Astoria Corp, 222 11 Ave, N Y 1
*Southern Naval Stores, Columbia, Miss
G A Wharry & Co, 95 Broad St, N Y

ROSS' WHITE see Lithopone

ROTENONE

$C_{23}H_{22}O_6$. M.W. 394.15. Colorless, odorless, crystalline constituent of certain tropical fish-poison plants. Poisonous to insects but not to humans. M.P. 163°C. Sp. gr. 1.27 gr. per cc. (20°C). Sol. in chloroform, less sol. in ethylene dichloride, trichlorethylene, chlorobenzene, ethylene, chlorohydrin, benzene, acetone and toluene in order named. Made in commercial quantities largely from derris root (British or Dutch East Indies). Root usually packed in 200 lb. bags. Extracted with carbon tetrachloride. Purity improved by recrystallization from alcohol. Uses—in commercial flea powders, fly sprays, greenhouse and horticultural sprays. Grades—tech.; C.P.

*Chem Insecticide Corp, 57 13 St, Bklyn 15, N Y
*Chipman Chem Co, Bound Brook, N J
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
H R Laist Co, 229 Rialto Bldg, San Fransisco, Cal
Miller Products Co, Ft of S W Caruthers St, Portland 1, Ore
*S B Penick & Co, 50 Church St, N Y 7
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
*U S Industrial Chem, 60 E 42 St, N Y
*World Spray Co, 4609 Avalon Blvd, Los Angeles, Cal

ROTENONE

BARBASCO

DERRIS

CUBE

American Quinine Company

15 William Street

New York 5, N. Y.

HAnover 2-7983

ROTTEN STONE (Terra Cariosa)

Ash-brown, natural, solid amorp. Uses—mfr. polishing compositions, abrasives; filtering oils; general filtering medium.

C B Coburn Co, 63 Market St, Lowell, Mass
K F Griffiths & Co, 280 Madison Ave, N Y 16
L J & M La Place, Leliarts Lane, E Paterson, N J
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
Murray Williams Color & Chem Co, 353 Boyden Ave, Maplewood, N J

ROUCOU see Annatto

RUBBER, CHLORINATED

American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
Charles B Chrystal Co, 53 Park Pl, N Y 7
Faesy & Besthoff, 325 Spring St, N Y 13
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del

RUBBER COMPOUNDING MATERIALS

Chemicals, dyes, fillers, accelerators, etc., used in the mfr. of rubber articles. The composition determines the nature and properties of the rubber.

American Firstoline Corp, 420 Lexington Ave, N Y
*Burkart-Schier Chem Co, Chestnut St at 13, Chattanooga 2, Tenn
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
*Dow Corning Corp, Midland, Mich
*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Rubba Inc, 1015 E 173 St, N Y
*Rubber Corp of America, 274 Ten Eyck St, Bklyn 6, N Y
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
*Union Bay State Chem Co, 491 Main St, Cambridge 42, Mass

RUBBER, NATURAL

Greene Trading Co, 60 Wall St, N Y 5
D Hecht & Co, 510 Battery St, San Francisco 11, Cal
O G Innes Corp, 82 Wall St, N Y 5
Stein, Hall & Co, 285 Madison Ave, N Y 17

*Company classifies itself as manufacturer or producer of this product

MONSANTO
SACCHARIN MONSANTO

Specifications, U.S.P. Grade: White powder; assay 98% min.; m.p. 227.0% C. min.; loss on drying 0.50% max., solubility in 10% Na_2CO_3 (1:5) complete.

Specifications, Saccharin, Sodium, U.S.P.: White crystals or powder; solubility in water (1:8), complete. Loss on drying at 125° C.: crystals—14.35% max.; powder—5.8% max. Free sample, 1 oz.

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division
St. Louis 4, Mo.

SERVING INDUSTRY . . . WHICH SERVES MANKIND

MONSANTO
CHEMICALS—PLASTICS

RUBBER, RECLAIMED

American Firstoline Corp, 420 Lexington Ave, N Y
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
Gen Latex & Chem Corp, 666 Man St, Cambridge, Mass
*Naugatuck Chem, Naugatuck, Conn

RUBBER, STARCH

C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio

RUBBER SUBSTITUTES

Compounds usually made from vulcanized oil and mineral rubber, or from sulfurized castor and corn oils, or rapeseed and soybean oils, to impart smooth finishes on tubing, uniform pores in sponge rubber, to improve erasers, to facilitate the extrusion operation, and to reduce gravity.

American Firstoline Corp, 420 Lexington Ave, N Y
*American Polymer Corp, 101 Foster St, Peabody, Mass
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
J A Kendall, 714 Second National Bldg, Akron 8, Ohio
Stein, Hall & Co, 285 Madison Ave, N Y 17
*Witco Chem Co, 295 Madison Ave, N Y 17

RUBBER, SYNTHETIC

Synthetically produced materials which closely resemble natural rubber in physical and/or chemical characteristics and yet possess special properties not found in the natural product, making them peculiarly fitted for certain uses, as in rubber hoses for handling oils, gasoline, making gaskets, etc.

*American Polymer Corp, 101 Foster St, Peabody, Mass
*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*E F Boruski Jr, 162 W 54 St, N Y
*Dow Corning Corp, Midland, Mich
*E I Du Pont de Nemours & Co, Organic Chem Dept, Rubber Chem Div, Wilmington 98, Del
*Durez Plastics & Chem, 5 Walck Rd, N Tonowanda, N Y
*Firestone Tire & Rubber Co, P O Box 690, Pottstown, Pa
*B F Goodrich Co, 448 S Main St, Akron, Ohio
*Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
*Naugatuck Chem, Naugatuck, Conn
*Phillips Chem Co, Bartlesville, Okla
Stein, Hall & Co, 285 Madison Ave, N Y 17
*Thickol Corp, 750 N Clinton Ave, Trenton 7, N J

RUBBER TACKIFIERS

Antara Products Div, 435 Hudson St, N Y 14
*Baker Castor Oil Co, 120 Broadway, N Y 5
*Barrett Div, 40 Rector St, N Y 6
E W Colledge, G S A, P O Box 389, Jacksonville 1, Fla
*Glidden Co, Crestwood-Burton, Jacksonville, Fla
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
Hummel Chem Co, 90 West St, N Y 6
Indoil Chem Co, 910 S Michigan Ave, Chicago 80, Ill
J A Kendall, 714 Second National Bldg, Akron 8, Ohio
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
*Safran Chem & Supply Co, 531-33 Washington St, Lynn, Mass
Schibley & Ossmann, 33 Public Sq, Cleveland, Ohio
Thickol Corp, 750 N Clinton Ave, Trenton 7, N J
*U S Industrial Chem, 60 E 42 St, N Y
*Witco Chem Co, 295 Madison Ave, N Y 17

RUBIDIUM (METAL)

Silvery-white metal; easily oxidized in air, therefore kept immersed in naphtha, kerosene. Sp. gr. 1.532. M.P. 39°C. B.P. 696°C. Sol. acids and alcohol; decomp. water. Uses—produce rubidium salts. Grades—tech.

*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
*Var-Lac-Old Chem Co, 116 Broad St, N Y 4

RUBIDIUM SALTS

Amend Drug & Chem Corp, 117-119 E 24 St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Delton Products Corp, 154 Nassau St, N Y 7
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J

RUBY ARSENIC see Arsenic, Red

RUST REMOVERS

*Alconox Inc, 61-63 Cornelison Ave, Jersey City 4, N J
*American Chem Paint Co, Ambler, Pa
*Bell-Ray Chem Corp, 1608 W Clybourn St, Milwaukee 3, Wis
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
*E F Drew & Co, 15 E 26 St, N Y 10
*Enthone Inc, 442 Elm St, New Haven, Conn
*Freedom-Valvoline Oil Co, 309 6 Ave, Freedom, Pa
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Oakite Products, 46B Thames St, N Y 6
*Parker Rust-Proof Co, 2177 E Milwaukee Ave, Detroit 11, Mich
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va

RUSTPROOFING COMPOUNDS

Specially formulated products for use in the several different processes of covering metal surfaces with a protective coating to prevent formation of rust and corrosion.

*American Chem Paint Co, Ambler, Pa
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*Atlantic Refining Co, 260 S Broad St, Phila, Pa
Barclay Chem Co, 75 Varick St, N Y
*Bell-Ray Chem Corp, 1608 W Clybourn St, Milwaukee 3, Wis
*U B Bray Co, 3344 Medford St, Los Angeles, Cal
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
*Detrex Corp, P O Box 501, Detroit 32, Mich
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Freedom-Valvoline Oil Co, 309 6 Ave, Freedom, Pa
*Gulf Refining Co, 722 Gulf Bldg, Pittsburgh 30, Pa
J W Guthrie Co, 725 2 St, San Francisco 7, Cal
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Keystone Lubricating Co, 21, Clearfield & Lippincott Sts, Phila 32, Pa
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
New England Quartz Co, 454 7 Ave, N Y 1
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Parker Rust-Proof Co, 2177 E Milwaukee Ave, Detroit 11, Mich
*Pennsylvania Refining Co, Butler, Pa
Penola Oil Co, 3780 Penobscot Bldg, Detroit 26, Mich
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Rodgers Labs, 4135 S 6 St, Milwaukee 15, Wis
*Superior Chem Works, 2528 Garland Ave, Louisville, Ky

RUSTPROOFING COMPOUNDS, continued

*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn
Wilbur & Williams Co, 130 Lincoln St, Brighton 35 Mass
Witco Chem Co, 295 Madison Ave, N Y 17

RUTHENIUM (METAL)

Ru. Silver-like, non-ductile metal of the platinum group. Dens., 12.06. Sp. gr. 12.2. M.P. 2,450°C. Brinell Hardness 220 (cast). Sol.—attacked by fused alkalis; insol. acids, aqua regia. Uses—hardener for platinum and palladium in jewelry, electrical contact, etc., alloys

*Baker & Co, 113 Astor St, Newark 5, N J
City Chem Corp, 132 W 22 St, N Y 11
*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill

RUTILE

Major oxide TiO_2. Uses—stain for enamels, tiles, and ceramics; making non-ferrous titanium alloys, prep. of titanium compounds.

American Firstoline Corp, 420 Lexington Ave, N Y
Alfred D Brown Associates, 59 Pearl St, N Y 4
*E I Du Pont de Nemours & Co Pigments Dept Wilmington 98, Del
Florida Ore Processing Co, 9 S Clinton St, Chicago 6 Ill
*Foote Mineral Co, Chelten Bldg, Phila, Pa
Legion Chem, 70 Wall St, N Y 5
*Metal & Thermit Corp, 100 E 42 St, N Y 17
*Metallurg Inc, 100 Park Ave, N Y 17
Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Orefraction Inc, 7425 Thomas St, Pittsburgh, Pa
Rimco Trading Corp, 3001 Netherland Ave, N Y 63

RUTIN (3-5-7-3-4-Pentahydroxyflavone-3-Rutinoside)

$C_{27}H_{30}O_{16}\cdot 3H_2O$. M.W. 664. Very fine, yellow crystalline material. Uses—in mfg. of tablets for the drug trade.

American Roland Corp, 16 Hudson St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
Fallek Products Co, 163 Broadway, N Y 6
*Gane & Ingram, 43 W 16 St, N Y 11
Gen Biochem, 7 Laboratory Park, Chagrin Falls, Ohio
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*J L Hopkins & Co, 477 Keap St, Bklyn 11, N Y
*Millmaster Corp, 420 Lexington Ave, N Y 17
*S B Penick & Co, 50 Church St, N Y 7
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Schenley Labs, Lawrenceburg, Ind
R J Strasenburgh Co, 195 Exchange St, Rochester 14 N Y
George Uhe Co, 76 9 Ave, N Y 14

SACCHARIN

$C_6H_4SO_3CONH$. White crystalline powd. M.P. 222°-228°C. Sol. alcohol, benzine, ethyl acetate, sl. water Uses—because of sweetness as a sugar substitute. Grades—commercial; U.S.P.; C.P.

American-British Chem Supplies, 180 Madison Ave, N Y
J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
Conray Products, 510 6 Ave, N Y 11
Consumers Products Co, 99 Hudson St, N Y 13
De Bear Inc, 636 11 Ave, N Y 19
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
Dyechem Products Corp, 60 Broad St, N Y 4
Fellows Medical Mfg Co, 26 Christopher St, N Y 14
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Industrial Raw Materials Corp, 575 Madison Ave, N Y 22
Legion Chem, 70 Wall St, N Y 5
Geo Lueders & Co, 427 Washington St, N Y 13
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Riches-Nelson, 342 Madison Ave, N Y 17
Shepard Chem Corp, 117 Liberty St, N Y 6
Ben P Steele Co, 343 Madison Ave, N Y 17

SACCHARATED LIME see Calcium d-Saccharate

SAFFLOWER see Saffron, American

SAFFRON, AFRICAN see Saffron, Spanish

*Company classifies itself as manufacturer or producer of this product

SAFFRON, AMERICAN (Carthamus, Safflower, Bastard Saffron, False Saffron)

Dried flowers of Carthamus tinctorius. Habitat—India, Egypt, Levant, cultivated in America. Uses—coloring agent for foods and confections, as laxative, as medicinal tea (diagnose measles). Grades—tech. (Carthamus tinctorius).

Fellows Medical Mfg Co, 26 Christopher St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Frederick D Keller & Son, 150 Nassau St, N Y 7
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Meer Corp, 318 W 46 St, N Y 19
*S B Penick & Co, 50 Church St, N Y 7

SAFFRON, SPANISH (African Saffron, French Saffron, Crocus)

Dried stigmas of flowers of Crocus sativus. Habitat—Southern Europe, Asia, France, Spain, cultivated in America. Uses—as coloring and flavoring agent, as medicinal tea (diagnose measles). Grades—tech.; N.F. Conf.—boxes.

Dalton-Cooper, 200 W 34 St, N Y
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Wm E Martin Co, 205 W 34 St, N Y 1
*Meer Corp, 318 W 46 St, N Y 19
Montaner & Co, 116 Broad St, N Y 4
Herbert H Parker, 2 Broadway, N Y 4
*S B Penick & Co, 50 Church St, N Y 7
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Joseph Weinstein, 4743 Walnut St, Phila, Pa

SAFROL

Odorous constituent of oils sassafras, camphor-tree, and other oils. Colorless or sl. yellowish liq. Sp. gr. 1.108 (15°C). B.P. 233°C. Solidifies 20°C. Sol. alcohol, chloroform, ether. Uses—denaturing fats in soap making; in perfumery and medicine.

*Dodge & Olcott, 180 Varick St, N Y 14
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
Geo Lueders & Co, 427 Washington St, N Y 13
*Verona Chem Co, 26 Verona Ave, Newark, N J

SAGO DEXTRIN see Dextrin

SAGO FLOUR

Flour from sago plant, Metroxylon laeve. White, amorp. powd. Swells in water. Uses—mfr. baked products, confectionery, candies, food preparations, vegetarian foods, curry powd., cocoa, sago starch, glues, pastes, glucose; for culinary purposes; sizing textiles and cellulose fibres. Grades—tech.; edible.

Morningstar Nicol, 630 W 51 St, N Y 19
Paisley Products, 630 W 51 St, N Y

SALACETIN see Acid, Acetylsalicylic

SAL ACETOSELLA see Potassium Binoxalate

SAL AMMONIAC see Ammonium Chloride

SALATERUS see Potassium Bicarbonate

SALAZOLON see Antipyrine Salicylate

SAL CHALYBIS see Ferrous Sulfate

SALICIN

$C_{13}H_{18}O_7$. M.W. 286.2. A glucoside from the bark of the American aspen, willows, and spiraea species. Colorless leaflets. M.P. 201°C (decomp.). Sol. water, alcohol; insol. ether. Hydrolyzes to glucose and salicyl alcohol—the latter is oxidized to salicylic acid. Uses—reagent for nitric acid, and as a anti-pyretic and tonic.

*Bios Labs, 17 W 60 St, N Y 23
City Chem Corp, 132 W 22 St, N Y 11
*Gane & Ingram, 43 W 16 St, N Y 11
W R Grace & Co, 7 Hanover Sq, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*S B Penick & Co, 50 Church St, N Y 7
*Smith-N Y Co, 61 Hampton Pl, Freeport, N Y

SALICYLAL see Salicylaldehyde

SALICYLALDEHYDE (Salicylic Aldehyde, o-Oxybenzaldehyde, Salicylal)

o—$C_6H_4OH.CHO$. M.W. 122.0. Dark-red oil. Sp. gr. 1.1 at 20/4°C. Miscible with alcohol, ether, and benzene, slightly sol. water. Uses—synthesis of organic derivatives, as a reagent in analytical chemistry.

*Bios Labs, 17 W 60 St, N Y 23
*Dow Chem Co, Midland, Mich
Florasynth Labs, 1513 Olmstead Ave, N Y 61

SALICYLAMIDE

$C_6H_4(OH)CONH_2$. M.W. 137. White crystalline solid. M.P. 139°C. Sl. sol. in cold water; sol. in hot water, weakly basic solutions, and most organic solvents. In addition to being mildly antiseptic, it is a general anti-mildew and anti-fungus reagent, as is also its mercuration product. Mild narcotic action is also exhibited. Uses are suggested in externally applied, mildly antiseptic and fungicidal preparations of the nature of soaps, salves, oils, powders, lotions and tonics.

*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
*Lamex Chem Corp, 23 Broadway, N Y 4
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y

SALICYLATES see advertisements on this page and page 440 and individual listings

SALICYLIC ALDEHYDE see Salicylaldehyde

SALIGENIN (Salicyl Alcohol; o-Hydroxybenzyl Alcohol; 1,2 Phenolmethylol)

$OHC_6H_4CH_2OH$. M.W. 124.10. Uses—medicinal.

*Bios Labs, 17 W 60 St, N Y 23
*Calco Chem Div, Bound Brook, N J
*Ottawa Chem Co, 819-823 Hamilton St, Toledo 7, Ohio

SALIMAC see Ammonium Chloride

SALIMENTHOL see Menthyl Salicylate

SALOL (Phenyl Salicylate)

$OHC_6H_4CO_2C_6H_5$. White cryst. powd., with faint aromatic odor. Sp. gr. 1.2614. B.P. 172°-173°C. M.P. 41°-43°C. Sol. alcohol, ether, benzine, sl. in water. Uses—as a preservative; in medicine.

Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
*Dow Chem Co, Midland, Mich

SACCHARIN
U.S.P.
Powder • Granules
Crystals

MENTHOL USP
Natural & Synthetic

Lanolin • Glycerin
Glycols & Derivatives

CHLORAMINE - T

FINE CHEMICALS • DRUGS
INTERMEDIATES

BENDIX CHEMICAL
• CORPORATION •
422 LEXINGTON AVE., N.Y. 17, N.Y.
MUrray Hill 3-3204

Heyden

SALICYLATES

SALICYLIC ACID U.S.P. and TECHNICAL
Crystals or Powder

METHYL SALICYLATE U.S.P.
(Oil of Wintergreen, Synthetic)

ACETYLSALICYLIC ACID U.S.P.
Crystals or Powder
(Also Starch Granulations)

PHENYL SALICYLATE N.F.
(Salol)
Granular or Powder

SODIUM SALICYLATE U.S.P.
Flo Crystals or Powder

CALCIUM SALICYLATE
Powder

AMMONIUM SALICYLATE N.F.
Crystals

MAGNESIUM SALICYLATE
Powder

LITHIUM SALICYLATE N.F. VIII
Powder

STRONTIUM SALICYLATE N.F.
Powder

PARA-AMINOSALICYLIC ACID

SODIUM PARA-AMINOSALICYLATE

For further information write to

FINE HEYDEN CHEMICALS

HEYDEN CHEMICAL CORPORATION
393 SEVENTH AVENUE • NEW YORK 1, N. Y.
CHICAGO • PHILADELPHIA • SAN FRANCISCO • DETROIT • PROVIDENCE

*Company classifies itself as manufacturer or producer of this product

MONSANTO SALICYLATES

Ammonium Salicylate, N. F.

Specifications: White crystalline powder; assay, 98.0% min.; solubility in water (1:5), complete, colorless; solubility in ethyl alcohol 95% (1:5), complete; conforms to N. F. test for heavy metals. No powder retained on 80-mesh screen.

Calcium Salicylate

Specifications: Fine white powder; solubility in water (1:50), complete, colorless.

Lithium Salicylate

Specifications: White or slightly grayish powder; assay 98.5% min.; solubility in water (1:20), complete, colorless.

Magnesium Salicylate

Specifications: Fine white powder; solubility in water (1:10), complete.

Methyl Salicylate, U.S.P.

Specifications: Clear, colorless liquid; assay 98.0% min.; solubility in 70% ethyl alcohol (1:7), complete; solubility in N KOH (1:10), complete; sp.g. 25°/25° C., 1.180-1.185; conforms to U.S.P. test for heavy metals.

Phenyl Salicylate, N. F. (Salol)

Specifications: White crystals; solubility in ethyl alcohol 95% (1:6), complete; m.p. 41.0° C. min.; conforms to N. F. tests for chloride, sulfate, free phenol, and free salicylic acid.

Potassium Salicylate

Specifications: White or very slightly pinkish powder, assay (dry basis), 99.0% min.; solubility in water (1:10), complete.

Sodium Salicylate, U.S.P.

Specifications: White powder or crystals; assay (as received) 99.5% min.; solubility in water (1:10), complete; solubility in ethyl alcohol 95% (1:10), complete; colorless or nearly colorless; conforms to U.S.P. tests for heavy metals and carbonizable impurities; trace max. powder retained on 60-mesh, 1.0% on 80-mesh, 2.0% on 100-mesh.

Strontium Salicylate, N. F.

Specifications: Fine white powder; assay (dry basis), 99.0% min.; solution in water (1:30), complete; conforms to N. F. test for heavy metals and barium.

Salicylic Acid (Ortho-Hydroxybenzoic Acid)

Specifications of U.S.P. Grade: White needles or powder, 100-mesh; assay 99.5% min.; m.p. 158.0° C. to 168.0° C.; conforms to U.S.P. test for carbonizable substances; ash 0.05% max.; powder 0.4% max. retained on 100-mesh.

Specifications of "B" Grade: White needles; assay 99.5% min.; m.p. 158.0° C. min.

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division
St. Louis 4, Missouri

MONSANTO
CHEMICALS—PLASTICS

SERVING INDUSTRY . . . WHICH SERVES MANKIND

SALOL, continued
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
George Uhe Co, 76 9 Ave, N Y 14

SALPRUNELLA see Potassium Nitrate

SAL SODA see Sodium Carbonate

SALT see Sodium Chloride

SALT, ANTIMONY (de Haens Salt)
$(NaF + SbF_3)$ mixture. Also a mixture of $SbF_3 + (NH_4)_2SO_4$. White crystalline. Sol. water. Uses—mordant in dyeing and printing textiles. Grades—tech. cryst. (mixture of antimony and sodium fluoride).
Barclay hem Co, 75 Varick St, N Y
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass

SALT, BLUE see Nickel Salts

SALT CAKE see Sodium Sulfate

SALT, D. P. G. see Diphenyl Guanadine

SALT, DE HAEN see Salt, Antimony

SALT, DIURETIC see Potassium Acetate

SALT, ESSENTIAL, OF LEMON see Potassium Binoxalate

SALT, G see G Salt

SALT, GRAHAM'S see Sodium m-Phosphate

SALT OF LEMERY see Potassium Sulfate

SALT, MEAT see Ammonium Fluoride

SALT, MACQUER'S see Potassium Arsenate

SALT, MICROSMIC see Sodium Ammonium Phosphate

SALT, MORDANT see Aluminum Acetate, Basic

SALT, PHOSPHORUS see Sodium Ammonium Phosphate

SALT, PURPLE see Potassium Permanganate

SALT, ROCHELLE see Potassium Sodium Tartrate

SALT, SCHAEFFER'S see Schaeffer's Salt

SALT, SEA see Sodium Chloride

SALT, SEIGNETTE see Potassium Sodium Tartrate

SALT OF SORREL see Potassium Binoxolate

SALT, TABLE see Sodium Chloride

SALT, TASTELESS see Sodium Phosphate, Mono-Sodium

SALT, TRUE see Caffeine, Citrated

SALTPETRE see Potassium Nitrate

SALTS, BITTER see Magnesium Sulfate

SALTS, COMMON see Sodium Chloride

SALTS, DIAZOTIZING see Sodium Nitrate

SALTS, ELECTROPLATING
Specially prepared ingredients eliminating the necessity of the plater compounding his own baths and insuring correct proportions. Available for all the more commonly employed baths, including chromium, cadmium, nickel, zinc, etc.
American Firstoline Corp, 420 Lexington Ave, N Y
*Baker & Adamson Products, 40 Rector St, N Y
*Chem Specialties, 29 E Madison St, Chicago, Ill
Conn Metalcraft, 442 Elm St, New Haven 2, Conn
E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Fiber Chem Corp, Box 218, Matawan, N J

*Company classifies itself as manufacturer or producer of this product

SALTS, ELECTROPLATING, continued

*Harshaw Chem Co, 1945 E 97 St, Cleveland 6, Ohio
L J & M La Place, Leliarts Lane, E Paterson, N J
*Linick Chem Co, 29 t; Madison St, Chicago, Ill
Merchants Chem Co, 60 E 42 St, N Y 17
*Metal & Thermit Corp, 100 E 42 St, N Y 17
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Jos Turner & Co, Ridgefield, N J

SALTS, EPSOM see Magnesium Sulfate

SALTS, GOLD see Gold Sodium Chloride

SALTS, HARTSHORN see Ammonium Carbonate

SALTS, HEAT TREATING

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
Croton Chem Corp, 114 Liberty St, N Y 6
*Davies Nitrate Co, 114 Liberty St, N Y
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
L J & M La Place, Leliarts Lane, E Paterson, N J
*Southwestern Analytical Chem, 1109 Gitson St, Austin 4, Tex

SALTS OF TARTAR see Potassium Carbonate

SALTS OF VITRIOL see Zinc Sulfate

SALTS OF WORMWOOD see Potassium Carbonate

SALZBURG VITRIOL see Copper Sulfate

SANDARACH see Gum, Sandarac

SAND, FOUNDRY MOLDING

*American Lignite Products Co, P O Box 5, Ione, Cal
*Illinois Minerals Co, 8071½ Washington Ave, Cairo, Ill
*Tex-Chem Co, 20-21 Wagaraw Rd, Fairlawn, N J

SANDALWOOD (Santalum Album)

Wood of Pterocarpus santalinum. Habitat—Madagascar and Indo-China. U.S.P. Also Santalum album. Habitat—British India and Eastern Java. Uses—mfr. perfume preps., toilet articles, cosmetics; dyeing textiles; paint and varnish color; coloring food; extracting sandal-wood oil; as fumigant; in medicine. Grades—whole; chips; ground (Santalum alum).

Conray Products, 510 6 Ave, N Y 11
*Dodge & Olcott, 180 Varick St, N Y 14
Geo Lueders & Co, 427 Washington St, N Y 13
*Meer Corp, 318 W 46 St, N Y 19
*S B Penick & Co, 50 Church St, N Y 7

SANGUIS DRACONIS see Dragon's Blood

SANITARY CHEMICALS

Bendix Chem Corp, 420 Lexington Ave, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
*Buckingham Wax Co, 51-03 Van Dam St, L I C, N Y
*Burns Allen Co, 58 Pearl St, Buffalo, N Y
John A Chew, 60 E 42 St, N Y 17
*Cloroben Corp, 225 Mercer St, Jersey City 2, N J
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Damon Chem Co, 527 E Cambridge St, Alliance, Ohio
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Finger Lakes Chem Co, Etna, N Y
*Fuld Bros, 702 S Wolfe St, Baltimore 31, Md
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
*Industrial Colloids & Chem, 127 W Jackson Ave, Knoxville 11, Tenn
L J & M La Place, Leliarts Lane, E Paterson, N J
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
McCann Chem Co, 712 W Jefferson St, Louisville Ky
*Medical Chem Corp, 4122 W Grand Ave, Chicago 51, Ill
*L Carlton Mertz Co, 1638 S Normal Ave, Chicago 16, Ill
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*National Chem Co, 1506 Industrial St, Los Angeles 21, Cal
*Ninol Labs, 1719 S Clinton St, Chicago 16, Ill
*Peerless Chem Co, 1300-1302 N Fulton Ave, Baltimore 17, Md
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Uncle Sam Chem Co, 575 W 131 St, N Y 27
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Wyandotte Chem Corp, J B Ford Div, Wyandotte, Mich

SANTALUM ALBUM see Sandalwood

SAPONIN

$C_{32}H_{54}O_{18}$. White, amorp. powd., disagreeable odor. Sol. water. Uses—mfr. soap compositions, fire extinguishers, tooth pwd.; as detergent; emulsifying fats and oils; foam producer in beverages; soap substitute; textile size. Grades—tech. powd. ex quillaja bark; ex root of Saponaria Officinalis; crude; purified; highest purity. Cont.—kegs (100 lbs.); boxes (25, 50 lbs.); cans (1, 5, 10 lbs.); bottles (1, 5 lbs.).

Amend Drug & Chem Co, 117-119 E 24 St N Y
J T Baker Chem Co, Phillipsburg, N J
*E Berghausen Chem Co, 4538 W Mitchell Ave, Cincinnati 32, Ohio
Chem Service Corp, 82 Beaver St, N Y 5
Enco Chem Corp, 441 Lexington Ave, N Y 17
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
W R Grace & Co, 7 Hanover Sq, N Y 5
Geo Lueders & Co, 427 Washington St, N Y 13
McKesson & Robbins, 155 E 44 St, N Y 17
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*S B Penick & Co, 50 Church St, N Y 7
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

SAW DUST

Hard or soft wood, kiln-dried, air-dried, or green, grated to mesh specifications. Uses—drying, burnishing, as inert filler. Grades—depends upon mesh specifications.

*Composition Materials Co, 23 W 44 St, N Y
*Fine Organics, 211 E 19 St, N Y 3

SAXOLINE see Petrolatum

SCHAEFFER'S SALT

$C_{10}H_6(OH)(SO_3Na)$. Sodium salt of 2.6. Beta-naphthol Sulfonic Acid. Uses—mfr. intermediates, organic chemicals.

Antara Products Div, 435 Hudson St, N Y 14
*Calco Chem Div, Bound Brook, N J
Fallek Products Co, 163 Broadway, N Y 6
*Sherwin-Williams Co, 100 Park Ave, N Y 17

SCHEELE'S GREEN see Copper Arsenite

SCHWEINFURTH GREEN see Copper Acetoarsenite

SCOURING COMPOUNDS, TEXTILE

Compounds to remove foreign material from natural fiber (cotton, wool, silk, etc.) before the process of dyeing and finishing. See also Boil-Off Compounds, Textile.

Antara Products Div, 435 Hudson St, N Y 14
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Ciba Co, 627 Greenwich St, N Y 14
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Colloids Inc, 394 Freilnghuysen Ave, Newark 5, N J
*E F Drew & Co, 15 E 26 St, N Y 10
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Geigy Co, 89 Barclay St, N Y 8
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Imperial Products Co, 1600 Fountain St, Phila, Pa
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
Edward Mendell Co, 24 W 45 St, N Y 19
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
M Michel & Co, 90 Broad St, N Y 4
*Ninol Labs, 1719 S Clinton St, Chicago 16, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Philadelphia Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Rumford Chem Works, Rumford, R I
*Scher Bros, 519 Getty Ave, Clifton, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Solvay Sales Div, 40 Rector St, N Y 6
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Standard Soap Co of Camden, 205 S 2 St, Camden, N J

SCOURING COMPOUNDS, TEXTILE, continued

*Ultra Chem Works, 2 Wood St, Paterson 4, N J
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
*Warwick Chem Co Div, Wood River Junction, R I
*Watson-Park Co, Ballardvale, Mass
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

SEALERS, MASONRY

*Acme Shellac Products Co, 108 Blanchard St, Newark 5, N J
*Dow Corning Corp, Midland, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Sika Chem Corp, 33-47 Gregory Ave, Passaic, N J
*A J Stuff & Co, 5816 Tacony St, Phila 24, Pa

SECALINE see Trimethylamine

SELENITE see Gypsum

SELENIUM (Metal)

Se. Steel-gray (also dark-red) solid crystalline. Sp. gr. 4.28. M.P. 217°C (dark-red variety 170-180°C). B.P. 690°C. Sol. conc. sulfuric acid; insol. water, alcohol. Dark-red variety sol. carbon disulfide. Uses—mfr. electrical apparatus, glass, rubber; in photometry; wireless telephony; sound photography; imbedding material in microscopy; biological chemistry; bacteriology; as laboratory reagent. Grades—tech.

American Firstoline Corp, 420 Lexington Ave, N Y
*American Smelting & Refining Co, 120 Broadway, N Y 5
*Bios Labs, 17 W 60 St, N Y 23
Chem Service Corp, 82 Beaver St, N Y 5
Industrial Sales Corp, 500 5 Ave, N Y 18
*Phelps Dodge Refining Corp, 40 Wall St, N Y 5
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
George F Smith, 60 E 42 St, N Y 17
*Wyandotte Chem Corp, J B Ford Div, Wyandotte, Mich

SELENIUM DIETHYL DITHIOCARBAMATE

$Se[(C_2H_5)_2N(S)CS]_4$. M.W. 672. Yellow powd. Uses—vulcanizing agent for continuous cure wire insulation heat resistant rubber goods and butyl rubber.

*Sharples Chem, 123 S Broad St, Phila 9, Pa

SELENIUM DIMETHYL DITHIOCARBAMATE

$Se[SC(S)_2N(CH_3)_2]_4$. M.W. 559.8. Creamy yellow M.P. 165-167°C. Uses—rubber industry.

American Roland Corp, 16 Hudson St, N Y
*E F Drew & Co, 15 E 26, St, N Y 10
*Sharples Chem, 123 S Broad St, Phila 9, Pa
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

SELENIUM DIOXIDE (Selenous Acid Anhydride, Selenous Anhydride)

SeO_2. M.W. 111. Yellowish-white powd. or cryst.; sharp odor. Uses—antioxidant for lubricating oils; catalyst; reagent for alkaloids.

Amend Drug & Chem Corp, 117-119 E 24 St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
Republic Chem Corp, 94 Beekman St, N Y 38

SELENIUM SALTS

American Firstoline Corp, 420 Lexington Ave, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
City Chem Corp, 132 W 22 St, N Y 11
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Paisley Products, 630 W 51 St, N Y 17
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill

SELENOUS ANHYDRIDE see Selenium Dioxide

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American Roland Corp, 16 Hudson St, N Y
*Edwal Labs, Ringwood, Ill
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J

SEQUESTERING AGENTS

*Alrose Chem Co, 180 Mill St, Cranston 5, R I
Antara Products Div, 435 Hudson St, N Y 14
*Atlantic Chem Co, 2072 Smith St, Centredale, R I
*Bersworth Chem Co, 609 Waverly St, Framingham, Mass
*Delft Co, 20 E Jackson Blvd, Chicago 4, Ill
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Alex C Ferguson Co, 44 E Oregon Ave, Phila 48, Pa
*Geigy Co, 89 Barclay St, N Y 8
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Riches-Nelson, 342 Madison Ave, N Y 17
*Rumford Chem Works, Rumford, R I
*Scher Bros, 519 Getty Ave, Clifton, N J
Siegel Chem Co, 1 Hanson Place, Bklyn 17, N Y

SEQUESTERING AGENTS, continued

*Tenn Eastman Co, 10 E 40 St, N Y 16
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Welch, Holme & Clark Co, 439 West St, N Y 14
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

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*Algo Chem Co, 1027 S Deacon St, Detroit, Mich
*Bios Labs, 17 W 60 St, N Y 23
Lack Chem Co, 19 Park Pl, N Y 7
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

SERPENTINE see Asbestos

SESQUICUPRIC CARBONATE see Copper Carbonate, Blue

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A bituminous asphalt cement for making permanent, watertight, sewer pipe joints.

*Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
*Berry Asphalt Co, Magnolia, Ark
*Johns-Manville, 22 E 40 St, N Y 16
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Monsanto Chem Co, Western Div, 421 S W 6 Ave, Portland, Ore
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
Rocky Mtn Supply Co, 2120 Market St, Denver, Col

SHELLAC (Lac, Garnet Lac, Gum Lac, Mecca, Stick Lac)

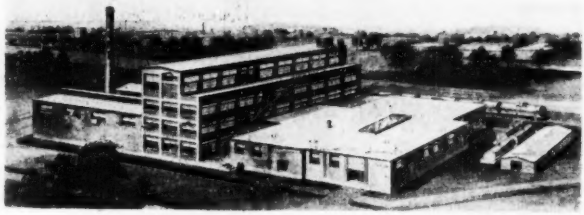
Resin produced by bite of insect Coccus cacca. Orange shade. Occurs in thin yellowish-brown leaflets. Amorp. Sp. gr. 1.08-1.13. Sap. No. 194-213. Acid No. 48-64. Ester No. 137-163. Sol. alcohol, methanol, amyl alcohol. Uses—mfr. paints, varnishes, polishes, sealing wax, stains, leather dressings, electrical insulating compositions, matches, paper plastics, phonograph records, inks, rubber; finishing leather; stiffening felt hats and crepe; engraving and lithography; as binder for various purposes. Grades—D.C.; fine Orange; second Orange; T.N.; ground, regular; regular bleached; Bone Dry; A.C. Garnet; Diamond 1.

*Acme Shellac Products Co, 108 Blanchard St, Newark 5, N J
Agazarian & Co, 99 Hudson St, N Y 13
American-British Chem Supplies, 180 Madison Ave, N Y
Biddle Sawyer Div, 25 Broad St, N Y 4
*Bradshaw-Praeger & Co, 3252 W 47 Pl, Chicago 32, Ill
Cole & De Graf, 417 Market St, San Francisco 5, Cal
Colony Import & Export Corp, 11 E 44 St, N Y 17
Dalton-Cooper, 200 W 34 St, N Y
Harry H Davidson, 17 State St, N Y 4
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Wm Diehl & Co, 330 W 42 St, N Y
*Dings & Schuster, 17 John St, N Y 38
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Downer, Hunnewell & Co, 131 State St, Boston 9, Mass
James H Furnam Co, 59 E Van Buren St, Chicago 5, Ill
Gillespie-Rogers-Pyatt Co, 75 West St, N Y 6
K F Griffiths & Co, 280 Madison Ave, N Y 16
*Haeuser Shellac Co, 52 Warren St, Bklyn 2, N Y
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
R B Huber, 126 Tremont St, Boston 16, Mass
Krekel Goetz Sales & Supply Co, 302 Housman Bldg, Grand Rapids 2, Mich
Mutch.er Chem Co, 258 Broadway, N Y 7
F H Paul & Stein Bros, 100 Gold St, N Y 38
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*Company classifies itself as manufacturer or producer of this product

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Schibley & Ossmann, 33 Public Sq, Cleveland, Ohio
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
*Thomas J Shields Co, 11 Water St, N Y 4
Sunnyside Oil Co, 2212 W Sunnyside Ave, Chicago 25, Ill
Wah-Chang Corp, 233 Broadway, N Y 7
H M Wocher & Son Co, 1223 N 26 St, Phila, Pa
C L Zimmerman Co, N-204 Cincinnati Union Terminal, Cincinnati 3, Ohio
E E Zimmerman Co, 1704 Kennan Bldg, Pittsburgh 22, Pa

SHELLAC, BLEACHED

White shellac made by bleaching orange shellac with sodium hypochlorite. For uses and other information see Shellac.

*Acme Shellac Products Co, 108 Blanchard St, Newark 5, N J
*Bradshaw-Praeger & Co, 3252 W 47 Pl, Chicago 32, Ill
Colony Import & Export Corp, 11 W 44 St, N Y 17
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Wm Diehl & Co, 330 W 42 St, N Y
*Dings & Schuster, 17 John St, N Y 38
Downer, Hunnewell & Co, 131 State St, Boston 9, Mass
James H Furnam Co, 59 E Van Buren St, Chicago 5, Ill
*Gillespie-Rogers-Pyatt Co, 75 West St, N Y 6
*Haeuser Shellac Co, 52 Warren St, Bklyn 2, N Y
Harry Holland & Son, 95 Clinton St, Chicago 6, Ill
Philip A Houghton, 30 Huntington Ave, Boston, Mass
Jensen & McClelland, 510 N Dearborn St, Chicago 10, Ill
F H Paul & Stein Bros, 100 Gold St, N Y 38
*Thomas J Shields Co, 11 Water St, N Y 4
*Sindar Corp, 330 W 42 St, N Y 18
*Utility Chem Co, 145 Peel St, Paterson 4, N J
H M Wocher & Son Co, 1223 N 26 St, Phila, Pa

SHELLAC SUBSTITUTES

Preps. used in place of natural shellac.

*Acme Shellac Products Co, 108 Blanchard St, Newark 5, N J
*Avon Trading Co, 401 Broadway, N Y 13
*Bradshaw-Praeger & Co, 3252 W 47 Pl, Chicago 32, Ill
*Dings & Schuster, 17 John St, N Y 38
Faesy & Besthoff, 325 Spring St, N Y 13
*Fiber Chem Corp, Box 218, Matawan, N J
*Gen-Wax Refg Co, 386 4 Ave, N Y
*Haeuser Shellac Co, 52 Warren St, Bklyn 2, N Y
*U S Industrial Chem, 60 E 42 St, N Y
*H M Wocher & Son Co, 1223 N 26 St, Phila, Pa

SHUMAC see Sumac

SIENNA

Brownish-orange-yellow, natural amorp. clay. Contains hydrate ferric oxide and manganic oxide. Burnt form is richer and stronger in odor. Sp. gr. raw 3.27; burnt 3.95. Uses—mfr. stains, paints, colors, varnishes, glass, oil-cloth, linoleum; antique effects on metals; for coloring paper. Grades—raw; burnt.

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Charles B Chrystal Co, 53 Park Pl, N Y 7
Stanley Doggett, 75 Varick St, N Y 13
James H Furnam Co, 59 E Van Buren St, Chicago 5, Ill
K F Griffiths & Co, 280 Madison Ave, N Y 16
Henry L Grund, 406 Bulkley Bldg, Cleveland, Ohio
*Interchem Corp, 224 McWhorter St, Newark, N J
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
*Reichard-Coulston, 15 E 26 St, N Y 10
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*C K Williams & Co, 640 N 13 St, Easton, Pa

SILICA (Silicon Dioxide)

SiO_2. M.W. 60.06. Natural crystalline, various colors also amorp.). Sp. gr. cryst. 2.319-2.653; amorp. 2.20. M.P. cryst. 1750°C; amorp. 1600°C. B.P. amorp. volatilizes at 2230°C. Sol. hot alkalies and hydrofluoric acid. Uses—mfr. flint glass, fused silica ware, frosted glass, water glass, colloidal silica, ultramarine, matches, carborundum, sandpaper, silica soaps, metal polishes, noninflammable preps., ceramics, tile, potteries, artificial stone and brick, cements, mortars, refractory bricks and linings, dental pastes, ferro-silicon, enameled iron ware, abrasives, scouring, asbestos, heat insulating, dynamite, and fertilizer compositions; as filtering, clarifying, decoloring and absorptive agent; purifying sugar, wines, linseed, fish and food oils, fats, petroleum products, paraffin, waxes, resins, syrups, molasses; tanning leather; weighting paper; as metallurgical flux; acid tower filler; filler in lead and zinc paints, colors, pigments, wood and rubber. Grades—80-400 mesh; air and water floated; various as to colors, source, and fineness.

Beier Co, 150 Nassau St, N Y 38
Charles B Chrystal Co, 53 Park Pl, N Y 7
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Commercial Minerals Co, 310 Irwin St, San Francisco 7, Cal
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Stanley Doggett, 75 Varick St, N Y 13
Hammill & Gillespie, 225 Broadway, N Y 7
*Illinois Minerals Co, 807½ Washington Ave, Cairo, Ill
*Innis, Speiden & Co, 117 Liberty St, N Y 6
Johns-Manville Sales Corp, 22 E 40 St, N Y 16
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
*Manufacturers Min Co, Box 3144, Seattle, Wash
New England Quartz Co, 454 7 Ave, N Y 1
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y

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SHELLAC

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- Refined Wax Free Varnish
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SILICA GEL

DESICCANT, CATALYST, CARRIER OF CATALYSTS

Hard, granular, clear, colorless colloidal material, capable of adsorbing large quantities of liquids or condensable gases; one cubic inch contains pores having a surface of about 50,000 sq. feet. Non-deliquescent. Will not cake nor powder. Can be reactivated at low temperature. Available in 3-mesh to minus 325 mesh.

Uses: Desiccant; as a catalyst and carrier of catalytic agents in many organic and inorganic processes; anticaking agent; drying of gases, liquids and solids; air conditioning; industrial applications such as drying telephone cable splices and drying refrigerants; process drying, etc.; for Dehydrated Packaging.

Moisture-Indicating Type (TEL-TALE* silica gel) changes color as saturation point is approached.

HYDROGEL—colloidal silica compound—chemically active with alkalies—which can be mulled.

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SILICA, continued

*United Clay Mines Corp, Prospect & Oakland Sts, Trenton 6, N J
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

SILICA AMORPHOUS

Amorp. silicon dioxide. Colorless powd. Dens. 2.30. M.P. 1650°C. Insol. in water or alcohol; sol. in hot alkalies or hydrofluoric acid. Uses—for chemical glassware.

James V Bibbo Co, 110 Washington St, N Y 6
Charles B Chrystal Co, 53 Park Pl, N Y 7
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
*Illinois Minerals Co, 807½ Washington Ave, Cairo, Ill
*Innis, Speiden & Co, 117 Liberty St, N Y 6
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
L A Salomon & Bro, 216 Pearl St, N Y 38
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Witco Chem Co, 295 Madison Ave, N Y 17

SILICA GEL

Incompletely dehydrated silicic acid (H_2SiO_4). Containing 3-7% H_2O. Uses—absorption agent, catalyst carrier for catalytic materials.

American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
Braun Corp, 2260 E 15 St, Los Angeles 21, Cal
Chem Service Corp, 82 Beaver St, N Y 5
Conray Products, 510 6 Ave, N Y 11
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Palmer Supplies Co, 8905 Lake Ave, Cleveland 2, Ohio
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

SILICATES see advertisements on this page and individual listings

SILICIUM see Silicon

SILICOFLUORIC ACID see Acid, Hydrofluosilicic

SILICON (Silicium)

Si. Gray, amorp. crystalline powd. Sp. gr. 2.00 (amorp.); 2.49 (cryst.). M.P. cryst. 1420°C. B.P. cryst. 2600°C. Sol. hydrofluoric acid and alkalies. Uses—mfr. silicon tetrachloride, silicon-bronze, silicon-copper, ferro-silicon, electro-silicon. Grades—tech.

J T Baker Chem Co, Phillipsburg, N J
*Electro Metallurgical Co, 30 E 42 St, N Y 17

SILICON CARBIDE

SiC. M.W. 40.06. One of the hardest substances known. Uses—abrasive.

American Firstoline Corp, 420 Lexington Ave, N Y
*Carborundum Co, Box 337, Niagara Falls, N Y
*Exolon Co, Tonawanda, N Y
Fay-Cole & Co, 71 India St, Boston, Mass
John W Higman Co, 24 State St, N Y 4
Superior Products Co, 148-148A Pearl St, Somerville, Mass

SILICON DIOXIDE see Silica

SILICON POWDER

Barclay Chem Co, 75 Varick St, N Y
Hummel Chem Co, 90 West St, N Y 6
*Metals Disintegrating Co, P O Box 290, Elizabeth, N J
*Sylvania Elec Products Co, Towanda, Pa

SILICON TETRACHLORIDE

$SiCl_4$. M.W. 169.89. Clear, colorless, fuming liq. Suffocating odor. Sp. gr. 1.5. M.P. —70°C. B.P. 57.6°C. Decomp. in water. Uses—smoke screens. Grades—tech.

Barclay Chem Co, 75 Varick St, N Y

SILICONES

*Anderson Labs, 3250 Parr Rd, Adrian, Mich
*Chem Development Corp, Endicott St, Danvers, Mass
*Dow Corning Corp, Midland, Mich
*Gen Elec, Pittsfield, Mass
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
International Wax Refining Corp, E Hawthorne Ave & L I R R, Valley Stream, N Y
*Linde Air Products Co, 30 E 42 St, N Y 17

SILVER (Argentum)

Ag. Natural white or light-gray lustrous metal. Sp. gr. 10.50. M.P. 961°C. B.P. 1955°C. Sol. nitric acid, hot concentrated sulfuric acid. Uses—mfr. silver salts, jewelry, money alloys, table silver, solders, decorative articles, watches, laboratory and scientific apparatus, colloidal silver drugs; for silvering mirrors; in dentistry; as chemical catalyst. Grades—powd.; sheet; foil; bars; wire; tubing; rivets; anodes; crucibles.

*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill
*T B Hagstoz & Son, 709 Sansom St, Phila 6, Pa

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METASILICATE • ORTHOSILICATE • SUPERSILICATE

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CLEVELAND 14, OHIO

DIAMOND ALKALI CHEMICALS

*Company classifies itself as manufacturer or producer of this product

SILVER BROMIDE (Bromyrite)

AgBr. M.W. 187.8. Yellow powd., yellow cryst. Sp. gr. 6.473. M.P. 427°C. Decomp. at 700°C. Insol. water, alcohol, ether; sol. cyanide, bromide, thiosulfate solutions. Uses—in photography as light-sensitive coating.

*City Chem Corp, 132 W 22 St, N Y 11
*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill

SILVER CARBONATE

Ag_2CO_3. M.W. 275.76. Yellow powd. Sol. dilute nitric acid, ammonia or alkali cyanides.

J T Baker Chem Co, Phillipsburg, N J
*City Chem Corp, 132 W 22 St, N Y 11
*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill

SILVER CHLORIDE (Lunar Cornea)

AgCl. White, amorp. powd. Sp. gr. 5.553. M.P. 455° C. Sol. ammonium hydroxide, conc. sulfuric acid solution, sodium, thiosulfate, and potassium bromide solutions. Uses—mfr. metallic silver; in photography; photometry; silver plating; in medicine. Grades—tech.; C.P.

*M Ames Chem Works, 21 Rogers St, Glen Falls, N Y
J T Baker Chem Co, Phillipsburg, N J
*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
L J & M La Place, Lellarts Lane, E Paterson, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

SILVER COLLOIDAL (Collargol, Argentum Colloidale)

An allotropic form of metallic silver, with a small percentage of albumina. Black scales giving a fairly stable colloidal suspension with water.

Conray Products, 510 6 Ave, N Y 11
*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y

SILVER CYANIDE

AgCN. White powd.; about 80.6% Ag. Sp. gr. 3.95. Sol. ammonium hydroxide, dilute boiling nitric acid, potassium cyanide or sodium thiosulfate solutions; insol. water. Uses—in medicine; silver and alloy gold plating. Grades—tech.

THE STANDARD FOR QUALITY
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SILVER CYANIDE, continued

Amend Drug & Chem Corp, 117-119 E 24 St, N Y
*M Ames Chem Works, 21 Rogers St, Glen Falls, N Y
J T Baker Chem Co, Phillipsburg, N J
*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Krait Chem Co, 917 W 18 St, Chicago 8, Ill
L J & M La Place, Leliarts Lane, E Paterson, N J
*Lewis Co, 232 Canal St, N Y 13
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
A T Wagner Co, 2720 Wight St, Detroit 7, Mich

SILVER IODIDE

A-I. Pale yellow, odorless powd. Sp. gr. 5.675. M.P. 525-556°C. Sol. potassium cyanide, sodium hyposulfite, salt, potassium iodide, and hydroiodic acid solutions. Uses—mfr. photographic emulsions; in medicine. Grades—tech.; pure.

*City Chem Corp, 132 W 22 St, N Y 11
*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

SILVER NITRATE (Lunar Caustic, Lapis Caustic)

$AgNO_3$. M.W. 169.89. Colorless, odorless cryst. Sp. gr. 4.352. M.P. 212°C. Decomp. on further heating and in light. Sol. water, hot alcohol, and glycerine. Uses—mfr. mother of pearl, glass, photographic emulsions, silver salts, indelible inks, hair dyes, pharmaceutical derivatives; silvering, plating, silvering mirrors; laboratory reagent; in medicine. Grades—U.S.P.; C.P.; tech.

*M Ames Chem Works, 21 Rogers St, Glen Falls, N Y
*J T Baker Chem Co, Phillipsburg, N J
Bendix Chem Corp, 420 Lexington Ave, N Y
Chem Service Corp, 82 Beaver St, N Y 5
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
L J & M La Place, Leliarts Lane, E Paterson, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

SILVER NITRATE, continued

Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Wholesale Supply Co, Box 16337 Vine St Sta, Los Angeles 38, Cal

SILVER OXIDE

Ag_2O. M.W. 231.76. Dark-brown, odorless, amorp powd. Sp. gr. 7.143. Decomp. at 300°C. Sol ammonium hydroxide, potassium cyanide solution, nitric acid, and sodium thiosulfate; insol, alcohol. Uses—mfr. glass polishing compositions; as chemical catalyst; yellow color in glass; purifying drinking water; synthesis of ammonia from nitrogen; in medicine; contact silvering. Grades—tech.: U.S.P.

*M Ames Chem Works, 21 Rogers St, Glen Falls, N Y
*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

SILVER PERCHLORATE

$AgClO_4$. M.W. 207.34. White crystalline material L. Decomp. 486°C. Sol. water, alcohol. (Lange). Uses—dehydrating agent.

*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

SILVER PHOSPHATE

Ag_3PO_4. M.W. 418.62. Yellow amorp. powd.; melts at red heat; sensitive to light. Sol. acetic acid, aqueous ammonia, ammonia carbonate; sl. sol. water. Uses—photography; removal of sulfides; to form phosphates; as catalyst; in drugs and pharmaceuticals.

*City Chem Corp, 132 W 22 St, N Y 11
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo

SILVER SULFIDE

Ag_2S. M.W. 247.82. Grayish-black powd. Sol. nitric acid, potassium cyanide, conc. sulfuric. Uses—laboratory reagent.

*City Chem Corp, 132 W 22 St, N Y 11
*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill

SIZES, HAT

*Acme Shellac Products Co, 100 Blanchard St, Newark, N J
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*National Chem & Plastics Co, 1424 Philpot St, Baltimore 3, Md

SIZES, PAPER

Products which provide a certain degree of water-and-ink resistance to paper and, in addition, aid in supplying a "binding" quality to the fibres. Most commonly used are Rosin-alum sizes; also starch, alumina, sodium silicate, casein, soda ash, soap, cellulose hydrates.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Ciba Co, 627 Greenwich St, N Y 14
*Crosby Chem, Drawer 32, De Ridder, La
*E I Du Pont de Nemours & Co, Electrochem Dept & Grasselli Chem Dept, Wilmington, Del
Gillies & Loughlin, 6363 Wilshire Blvd, Los Angeles 48, Cal
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Kelco Co, 31 Nassau St, N Y 5
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Paisley Products, 630 W 51 St, N Y 19
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

SIZES, PRINTING INK

Products added to inks either before or after formulation to give a gloss or sheen to the printed page. Also aids in preventing smudges.

*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del

SIZES, RAYON

Special preps. for sizing rayon warps and skeins, producing smooth yarn which weaves easily and with good loom efficiency.

*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*Delany & Co, Milnor & Cottman Sts, Tacony 35, Pa
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Kem Products Co, 227-229 High St, Newark 2, N J
*Linder & Co, 296 N Beacon St, Boston 35, Mass
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Paisley Products, 630 W 51 St, N Y 19

SIZES, RUG AND CARPET

Preps. adding stiffness, gloss and sheen to rugs and carpets.

*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Arthur S Hoyt Co, 175 5 Ave, N Y
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Morningstar Nicol, 630 W 51 St, N Y 19
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Paisley Products, 630 W 51 St, N Y 19
*Rubba Inc, 1015 E 173 St, N Y

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*Company classifies itself as manufacturer or producer of this product

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COLLOIDS INCORPORATED
Manufacturing Chemists

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NEWARK 5, N. J.

SIZES, TEXTILE

Various starch and gum preps. which are used to produce a smooth flexible and elastic warp. In many cases additional ingredients are added to assist in the penetration of the size.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
Antara Products Div, 435 Hudson St, N Y 14
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*Bryant Chem Corp, 6 North St, N Quincy, Mass
*Ciba Co, 627 Greenwich St, N Y 14
*Cidex Corp, 85 Franklin St, Jersey City, N J
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
*Commonwealth Color & Chem Co, 3240 Grace Ave, Bronx 67, N Y
*Concord Chem Co, Moorestown, N J
*Delany & Co, Milnor & Cottman Sts, Tacony 35, Pa
*E I Du Pont de Nemours & Co, Electrochem Dept & Grasselli Chem Dept, Wilmington 98, Del
*Haas-Miller Corp, 4 & Bristol Sts, Phila 40, Pa
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Linder & Co, 296 N Beacon St, Boston 35, Mass
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Morningstar Nicol, 630 W 51 St, N Y 19
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Paisley Products, 630 W 51 St, N Y 19
*Polymer Industries, 284 Sheffield Ave, Bklyn 7, N Y
*Wm J Schepp Co, 21-23 Summit Ave, E Paterson, N J
*Scher Bros, 519 Getty Ave, Clifton, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Southern Textile Chem Corp, 1407 Broadway, N Y 18
Welch, Holme & Clark Co, 439 West St, N Y 14
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

SIZES, WALL

Usually a clear sealer used on old or new plaster walls to prevent suction, alkali and acid stains, or moisture from injuring or discoloring subsequent coats of flat paint, enamels, lacquers, varnishes, water paints, etc., or any finish coatings.

*Acme Shellac Products Co, 108 Blanchard St, Newark 5, N J
*Alabastine Paint Products, 2639 W Grand Ave, Chicago 12, Ill
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Arthur S Hoyt Co, 175 5 Ave, N Y
*Paisley Products, 630 W 51 St, N Y
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

SIZES, WARP COTTON

*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Joy Chem Co, 133 Webster St, Pawtucket, R I
*Linder & Co, 296 N Beacon St, Boston 35, Mass
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Morningstar Nicol, 630 W 51 St, N Y 19
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Paisley Products, 630 W 51 St, N Y
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

SIZES, WARP SILK AND RAYON

*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
*Delany & Co, Milnor & Cottman Sts, Tacony 35, Pa
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Joy Chem Co, 133 Webster St, Pawtucket, R I
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass

SIZES, WARP SILK AND RAYON, continued

*Morningstar Nicol, 630 W 51 St, N Y 19
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Paisley Products, 630 W 51 St, N Y 19
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

SIZINGS (Paper and Textile)

*Acme Shellac Products Co, 100 Blanchard St, Newark, N J
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*Ciba Co, 627 Greenwich St, N Y 14
*Delany & Co, Milnor & Cottman Sts, Tacony 35, Pa
*E I Dupont de Nemours & Co, Electrochem Dept Wilmington 98, Del
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Kelco Co, 31 Nassau St, N Y 5
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Morningstar Nicol, 630 W 51 St, N Y 19
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Paisley Products, 630 W 51 St, N Y
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Snyder Chem Corp, Henry St, Bethel, Conn

SKIN PROTECTING COMPOUNDS

Compounds applied to the hands, and at times to the face and other exposed parts of the body, which serve as a protecting surface against the action of chemicals which burn the skin, or produce sores, eruptions, inflammation, etc. Many such products not only provide a protective layer but have neutralizing effects. Known also as dermatitis preventives.

*Utility Chem Co, 145 Peel St, Paterson 4, N J

SLASHER COMPOUNDS

Before cotton yarn is ready for weaving it must be treated with preps., generally combinations of starches and softeners. This process is called "slashing," hence the derivation of the name.

*Arabol Mfg Co, 110 E 42 St, N Y 17
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Joy Chem Co, 133 Webster St, Pawtucket, R I
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

SLATE BLACK see Mineral Black

SLATE FLOUR

Grayish, solid amorp. Sp. gr. 2.6-3.3. Uses—mfr. Portland cement and roofing compositions, ceramic products, fertilizers, abrasive soaps, electrical insulations, roofing tile and other building material, glass, metal polishes, toilet and tooth powd., phonograph records; as filler for putty, paint, varnish, rubber, linoleum and oilcloth.

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Prince Mfg Co, Lehigh St, Bowmanstown, Pa
H N Richards Co, 1475 Prospect St, Trenton 8, N J
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

SLUSHING COMPOUNDS

Compounded products made from high grade lubricating oils for application to finished steel products that are to be shipped or stored to protect against rust and/or corrosion.

E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

SMALT (Saxony Blue, King's Blue, Zaffer, Bleu D'Azure, Bleu de Saxe, Azure Blue)

Blue, amorp. powd. consisting of cobalt, potash, and silica. Uses—as paint and varnish pigment; coloring ceramic products, glass and rubber; in bleaching substances; bluing paper, starch and textiles. Grades—tech.

K F Griffiths & Co, 280 Madison Ave, N Y 16
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y

SMALT, continued

K F Griffiths & Co, 280 Madison Ave, N Y 16
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y

SOAP

Arnold, Hoffman & Co, 55 Canal St, Providence, R I
Bridge Chem Co, 3525 W Madison St, Chicago, Ill
*Buckingham Wax Co, 51-03 Van Dam St, L I C, N Y
*Burns Allen Co, 58 Pearl St, Buffalo, N Y
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*James Counts Soap Co, 3216-18 Delaware Blvd, St Louis 3, Mo
*E F Drew & Co, 15 E 26 St, N Y 10
*Du Bois Co, 1120 W Front St, Cincinnati 3, Ohio
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Fels & Co, 73 & Woodland Ave, Phila 42, Pa
*Finger Lakes Chem Co, Etna, N Y
Fulton Process & Chem Corp, 97 2 St, Gloversville, N Y
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Lever Bros, Cambridge, Mass
McCann Chem Co, 712 W Jefferson St, Louisville, Ky
Edward Mendell Co, 24 W 45 St, N Y 19
Merchants Chem Co, 60 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*Procter & Gamble Co, Cincinnati 1, Ohio
Ritter Chem Co, 403 W Main St, Amsterdam, N Y
*Schmidt Soap Products, 236 W North Ave, Chicago, Ill

SOAP BARK (Quillaja, China Bark, Murillo Bark, Panama Bark, Quillaia)

Dried bark of Quillaja saponaria. Habitat—Bolivia, Peru, Chile, etc. Uses—mfr. saponin, quillaiac acid, sapotoxin, add drinks, shampoo preps.; as foam producer; emulsifier for fats, oils, balsams, resins, and waxes; in med cine. Grades—Quillaja saponaria; whole; cut; crushed; powdered.

Dalton-Cooper, 200 W 34 St, N Y
L J & M La Place, Lellarts Lane, E Paterson, N J
*Meer Corp, 318 W 46 St, N Y 19
Pacific Soap Co, 6830 McKinley Ave, Los Angeles 1, Cal
*S B Penick & Co, 50 Church St, N Y 7

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SOAP BASE

*Amplon Corp, 4-88 47 Ave, L I C 1, N Y
*Chicago Sanitary Products Co, 3100 S Troop St, Chicago 8, Ill
*James Counts Soap Co, 3216-18 Delaware Blvd, St Louis 3, Mo
*E F Drew & Co, 15 E 26 St, N Y 10
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Huntington Labs, Huntington, Ind
*Schmidt Soap Products, 236 W North Ave, Chicago, Ill
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

SOAP BASE, LIQUID

Conc. liq. soap, usually of the potash-coconut oil type which can be diluted with water, and sold in concentrations of about 40% to be diluted as low as 12% in practice.

*Burns Allen Co, 58 Pearl St, Buffalo, N Y
*Chicago Sanitary Products Co, 3100 S Troop St, Chicago 8, Ill
*James Counts Soap Co, 3216-18 Delaware Blvd, St Louis 3, Mo
*Crystal Soap & Chem Co, 6308 State Rd, Phila 35, Pa
*Dominion Products, 10-44 44 Dr, L I C 1, N Y
*E F Drew & Co, 15 E 26 St, N Y 10
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Huntington Labs, Huntington, Ind
McCann Chem Co, 712 W Jefferson St, Louisville, Ky
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Oil-Kraft, 3330 Beekman St, Cincinnati 23, Ohio
*Ottol Oil Co, 455 Cortlandt St, Belleville, N J
*Peerless Chem Co, 3850 Oakman Blvd, Detroit 4, Mich
*Schmidt Soap Products, 236 W North Ave, Chicago, Ill
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

SOAP BUILDERS

Various products added to soap to increase the cleansing qualities, alkali content, water softening properties. When not added in excess they perform definite favorable functions; in excess they are considered "fillers." See Sodium Silicate, Sodium Metasilicate, Soda Ash, Bentonite, Sodium Phosphate, Tri Sodium Borate, Talc, Stannous Chloride, etc.

*Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
*Cowles Chem Co, 8016 Euclid Ave, Cleveland 3, Ohio
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6

SOAP BUILDERS, continued

*Industrial Colloids & Chem, 127 W Jackson Ave, Knoxville 11, Tenn
*H Kohnstamm & Co, 83 Park Pl, N Y 7
Legrand Chem Corp, 103 50 St, Bklyn 32, N Y
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Rumford Chem Works, Rumford, R I
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
*Westvaco Div, 405 Lexington Ave, N Y 17
*Wyandotte Chem Corp, J B Ford Div, Wyandotte, Mich

SOAP DUST see Zinc Stearate

SOAP FLAKES

Frank J Breen, 5340 S Maryland Ave, Chicago, Ill
*Chicago Sanitary Products Co, 3100 S Troop St, Chicago 8, Ill
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E F Drew & Co, 15 E 26 St, N Y 10
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*H Kohnstamm & Co, 83 Park Pl, N Y 7
McCann Chem Co, 712 W Jefferson St, Louisville, Ky
Edward Mendell Co, 24 W 45 St, N Y 19
Merchants Chem Co, 60 E 42 St, N Y 17
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Pacific Soap Co, 6830 McKinley Ave, Los Angeles 1, Cal
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Standard Soap Co of Camden, 205 S 2 St, Camden, N J
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Welch, Holme & Clark Co, 439 West St, N Y 14

SOAP, GREEN

Yellowish-white to brownish yellow. Uses—as lubricant; detergent; in medicine. Grades—U.S.P. (Saponollis).

Frank J Breen, 5340 S Maryland Ave, Chicago, Ill
Cole Labs, 42-25 9 St, L I C 1, N Y
*Essential Chem Co, 2200 N 32 St, Milwaukee, Wis
Merchants Chem Co, 60 E 42 St, N Y 17
*Michel & Pelton Co, 5743 Landregan St, Oakland 8, Cal
*Schmidt Soap Products, 236 W North Ave, Chicago, Ill
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

SOAP, LIQUID

*Amplon Corp, 4-88 47 Ave, L I C 1, N Y
Barco Chem Products Co, 701 S LaSalle St, Chicago, Ill
Frank J Breen, 5340 S Maryland Ave, Chicago, Ill
*Buckingham Wax Co, 51-03 Van Dam St, L I C, N Y
*Burns Allen Co, 58 Pearl St, Buffalo, N Y
John A Chew, 60 E 42 St, N Y 17
*Chicago Sanitary Products Co, 3100 S Troop St, Chicago 8, Ill
Cole Labs, 42-25 9 St, L I C 1, N Y
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*James Counts Soap Co, 3216-18 Delaware Blvd, St Louis 3, Mo
*Crystal Soap & Chem Co, 6308 State Rd, Phila 35, Pa
*E F Drew & Co, 15 E 26 St, N Y 10
*Essential Chem Co, 2200 N 32 St, Milwaukee, Wis
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Fuld Bros, 702 S Wolfe St, Baltimore 31, Md
*Gerson Stewart Corp, Lisbon Rd, Cleveland 4, Ohio
*Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa
B J Howard Co, Whitaker Bldg, Baltimore 2, Md

SOAP, LIQUID, continued

*Hysan Products Co, 932 W 38 Pl, Chicago 9, Ill
*Kleen-Glo Chem Corp, 303 5 Ave, N Y
*Kuehne Chem Co, Woodruff Lane, Elizabeth, N J
Edward Mendell Co, 24 W 45 St, N Y 19
Merchants Chem Co, 60 E 42 St, N Y 17
*Michel & Pelton Co, 5743 Landregan St, Oakland 8 Cal
*Murphy's Oil Soap Co, 9505 Cassius Ave, Cleveland, Ohio
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Oil-Kraft, 3330 Beekman St, Cincinnati 23, Ohio
*Ottol Oil Co, 455 Cortlandt St, Belleville, N J
Pacific Soap Co, 6830 McKinley Ave, Los Angeles 1, Cal
*Peerless Chem Co, 3850 Oakman Blvd, Detroit 4, Mich
*Potter Paint Co, 21 Crawford St, Cortland, N Y
George B Robbins Disinfectant Co, 42-44 Carleton St, Cambridge, Mass
Rose Chem Co, 296 Pearl St, N Y 38
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
H V Smith & Co, 1910 University Ave, St Paul 4, Minn
M C Thomas Co, 11 Commerce St, Norwalk, Conn
*Uncle Sam Chem Co, 575 W 131 St, N Y 27
*U S Sanitary Specialties Corp, 1001 S California Ave, Chicago 12, Ill
*Schmidt Soap Products, 236 W North Ave, Chicago, Ill
*Southern Textile Chem Corp, 1407 Broadway, N Y 18
*Standard Chem Co, 217 New St, Phila, Pa
*Utility Chem Co, 145 Peel St, Paterson 4, N J

SOAP, OIL

Frank J Breen, 5340 S Maryland Ave, Chicago, Ill
*Chicago Sanitary Products Co, 3100 S Troop St, Chicago 8, Ill
Dakoline Chem Co, 357 Atlantic Ave, Bklyn, N Y
*E F Drew & Co, 15 E 26 St, N Y 10
*Hysan Products Co, 932 W 38 Pl, Chicago 9, Ill
*Murphy's Oil Soap Co, 9505 Cassius Ave, Cleveland, Ohio
*Peerless Chem Co, 3850 Oakman Blvd, Detroit 4, Mich
*Phoenix Oil Co, 9505 Cassius Ave, Cleveland, Ohio
Rose Chem Co, 296 Pearl St, N Y 38
H V Smith & Co, 1910 University Ave, St Paul 4, Minn

SOAP, PASTE

Dry-cleaning soaps in the paste form used with solvents to remove insol. soil in the dry-cleaning washer; should produce perfect whites and bright clear silks and should clarify, distill and dissolve satisfactorily. For suppliers see Soaps, Dry Cleaning.

*Chicago Sanitary Products Co, 3100 S Troop St, Chicago 8, Ill
*James Counts Soap Co, 3216-18 Delaware Blvd, St Louis 3, Mo
*Essential Chem Co, 2200 N 32 St, Milwaukee, Wis
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Gerson Stewart Corp, Lisbon Rd, Cleveland 4, Ohio
Merchants Chem Co, 60 E 42 St, N Y 17
*Michel & Pelton Co, 5743 Landregan St, Oakland 8, Cal
*Murphy's Oil Soap Co, 9505 Cassius Ave, Cleveland, Ohio
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Oil-Kraft, 3330 Beekman St, Cincinnati 23, Ohio
*Ottol Oil Co, 455 Cortlandt St, Belleville, N J
Pacific Soap Co, 6830 McKinley Ave, Los Angeles 1, Cal
*Peerless Chem Co, 3850 Oakman Blvd, Detroit 4, Mich
*Schmidt Soap Products, 236 W North Ave, Chicago, Ill
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

SOAP POWDERS

A tentative definition of the A.S.T.M. states: A water-sol. powdered product consisting of soap and one or more builders, in which the soap is a minor constituent.

SOAP POWDERS, continued

*Burns Allen Co, 58 Pearl St, Buffalo, N Y
John A Chew, 60 E 42 St, N Y 17
Cole Labs, 42-25 9 St, L I C 1, N Y
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Cowles Chem Co, 7016 Euclid Ave, Cleveland 3, Ohio
*E F Drew & Co, 15 E 26 St, N Y 10
Mitchell Fels, 274 E Ashmead St, Box 4270, Phila 44, Pa
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Gerson Stewart Corp, Lisbon Rd, Cleveland 4, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
*H Kohnstamm & Co, 83 Park Pl, N Y 7
McCann Chem Co, 712 W Jefferson St, Louisville, Ky
Edward Mendell Co, 24 W 45 St, N Y 19
Pacific Soap Co, 6830 McKinley Ave, Los Angeles 1, Cal
Philipp Bros Chem, 37 Wall St, N Y
*Shields Buying Service, 15 Moore St, N Y 4
M C Thomas Co, 11 Commerce St, Norwalk, Conn
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
*Wyandotte Chem Corp, J B Ford Div, Wyandotte, Mich

METALLIC SOAPS

Stearates and Palmitates

Aluminum • Lead • Calcium • Zinc • Magnesium

For use in Paint, Varnish and Lacquer • Oil and Grease

Waterproofing • Rubber • Powdered Metallurgy

Cement • Plastics • Wire Drawing • Ceramics • Cosmetics

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SOAPS, ANIMAL

Soaps medicated with different insecticidal ingredients, including pyrethrum and derris extracts, for pets and other animals.

*James Counts Soap Co, 3216-18 Delaware Blvd, St Louis 3, Mo
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

SOAPS, ANTISEPTIC

*Chicago Sanitary Products Co, 3100 S Troop St, Chicago 8, Ill
*Cidex Corp, 85 Franklin St, Jersey City, N J
*James Counts Soap Co, 3216-18 Delaware Blvd, St Louis 3, Mo
*Fuld Bros, 702 S Wolfe St, Baltimore 31, Md
*Gerson Stewart Corp, Lisbon Rd, Cleveland 4, Ohio
*Huntington Labs, Huntington, Ind
*Hysan Products Co, 932 W 38 Pl, Chicago 9, Ill
*Pacific Soap Co, 6830 McKinley Ave, Los Angeles 1, Cal
*Schmidt Soap Products, 236 W North Ave, Chicago, Ill
M C Thomas Co, 11 Commerce St, Norwalk, Conn
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

SOAPS, BENZINE

Specially prepared dry-cleaning detergents, a mixture of solvent and soap, used on silks, wools, rayon, and celanese.

*Dixo Co, 225 River Rd, Garfield, N J

SOAPS, BURNISHING

Usually a so-called neutral, low titre soap used as an emulsifying and lubricating agent in the mechanical burnishing or polishing of metals either before or after plating.

*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Magnuson Products Corp, 50 Court St, Bklyn 2, N Y
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Wyandotte Chem Corp, J B Ford Div, Wyandotte, Mich

SOAPS, DRAWING

Soaps for drawing vary in their chemical properties depending on the particular type of drawing they are intended for. Dry drawing of wire is usually done with high titre, so-called neutral tallow soaps. Wet drawing of copper wire is done with emulsions containing soap of low titre, usually made of olive or oleic acid. High titre tallow soaps, so-called neutral ones, are used as emulsifying and lubricating agents in the prep. of drawing compounds for sheet metal.

*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Mathe Chem Co, 169 Milbank St, Lodi, N J
*Milwaukee Chem Co, 204 N Broadway, Milwaukee, Wis
*Murphy's Oil Soap Co, 9505 Cassius Ave, Cleveland, Ohio
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Oil-Kraft, 3330 Beekman St, Cincinnati 23, Ohio
*Phoenix Oil Co, 9505 Cassius Ave, Cleveland, Ohio

SOAPS, DRY-CLEANING

A wide variety of special soaps usually in the form of pastes, alkaline detergents, or filter sol. products in which organic solvents are usually incorporated.

John A Chew, 60 E 42 St, N Y 17
*Cidex Corp, 85 Franklin St, Jersey City, N J
*Dixo Co, 225 River Rd, Garfield, N J
*E F Drew & Co, 15 E 26 St, N Y 10
*H Kohnstamm & Co, 83 Park Pl, N Y 7
Merchants Chem Co, 60 E 42 St, N Y 17
*National Aniline Div, 40 Rector St, N Y 6
*Ninol Labs, 1719 S Clinton St, Chicago 16, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa

SOAPS, DRY-CLEANING, continued

*Slater-Robbins Co, 26-44 Borden Ave, L I C, N Y
Superior Products Co, 148-148A Pearl St, Somerville, Mass
*Ultra Chem Works, 2 Wood St, Paterson 4, N J

SOAPS, FISH OIL

Soaps made from fish oils and in soft form commonly used in conjunction with insecticides as a carrier and spreader, also in road building. Hard fish oil soap is used in textiles, tanneries, and other special industrial applications.

*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Ottol Oil Co, 455 Cortlandt St, Belleville, N J
Pacific Soap Co, 6830 McKinley Ave, Los Angeles 1, Cal
Snow & Co, 3039 E 12 St, Los Angeles, Cal
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Vitamins Inc, 809 W 58 St, Chicago 21, Ill
Welch, Holme & Clark Co, 439 West St, N Y 14

SOAPS, INSECTICIDE

Employed as a carrier or spreader, by lowering the surface tension so that an insecticide more readily covers, spreads and adheres. Potash fish oil soap or other soft soaps are most often used. See Soaps, Fish Oil, for names of suppliers.

Nopco Chem Co, Logan & Davis Sts, Harrison, N J

SOAPS, LAUNDRY

Employed both to designate soaps prepared for the home for laundrying and industrial detergent purposes. This classification is here reserved for those soaps which are specially compounded for use in commercial laundries and sold in bulk.

*Chicago Sanitary Products Co, 3100 S Troop St, Chicago 8, Ill
*Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Cowles Chem Co, 7016 Euclid Ave, Cleveland 3, Ohio
*E F Drew & Co, 15 E 26 St, N Y 10
Duso Chem Co, Fulton St, Poughkeepsie, N Y
Mitchell Fels, 274 E Ashmead St, Box 4270, Phila 44, Pa
Fels & Co, 73 & Woodland Ave, Phila 42, Pa
*Enos F Jones Chem Co, 14 Florence St, Jersey City 4, N J
*Kem Labs, 101 E 144 St, Bronx 51, N Y
*H Kohnstamm & Co, 83 Park Pk, N Y 7
*Kuehne Chem Co, Woodruff Lane, Elizabeth, N J
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
Merchants Chem Co, 60 E 42 St, N Y 17
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Pacific Soap Co, 6830 McKinley Ave, Los Angeles 1, Cal
*Port Huron Detergent Co, 1320 2 St, Port Huron, Mich
Seaboard Industries, 195 Keen St, Paterson, N J
Superior Products Co, 148-148A Pearl St, Somerville, Mass
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Utility Chem Co, 145 Peel St, Paterson 4, N J
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
Welch, Holme & Clark Co, 439 West St, N Y 14
*Wyandotte Chem Corp, J B Ford Div, Wyandotte, Mich

SOAPS, LEATHER

Specialized neutral soft soaps usually made from high-grade vegetable oils, which provide extraordinary emulsion powers, clean leather thoroughly and leave the leather soft, pliable, and finely finished.

Frank J Breen, 5340 S Maryland Ave, Chicago, Ill
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J

SOAPS, LEATHER, continued

*E F Drew & Co, 15 E 26 St, N Y 10
*Fiber Chem Corp, Box 218, Matawan, N J
*Fiebing Chem Co, 156 2 St, Milwaukee 4, Wis
Mitchell Fels, 274 E Ashmead St, Box 4270, Phila 44, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Ottol Oil Co, 455 Cortlandt St, Belleville, N J
Philipp Bros Chem, 37 Wall St, N Y
*Standard Chem Co, 217 New St, Phila, Pa

SOAPS, MECHANICS'

Marketed in paste, cake or powd. form, the first being the most common, an abrasive, usually pumice, sand or silica is incorporated to aid in the removal of grime and grease. See U.S. Government Specifications PD-221.

*Chicago Sanitary Products Co, 3100 S Troop St, Chicago 8, Ill
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*E F Drew & Co, 15 E 26 St, N Y 10
Mitchell Fels, 274 E Ashmead St, Box 4270, Phila 44, Pa
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
*King Chem Co, 31 New Haven Railroad St, Mt Vernon, N Y
*Peerless Chem Co, 3850 Oakman Blvd, Detroit 4, Mich
*Pennsylvania Detergents Co, 2238 N Philip St, Phila 33, Pa
*Royal Soap & Chem Co, 3486 Union Pacific Ave, Los Angeles 23, Cal
*Solar Products Co, 2258 S Drake Ave, Chicago 23, Ill
*U S Sanitary Specialties Corp, 1001 S California Ave, Chicago 12, Ill
*Utility Chem Co, 145 Peel St, Paterson 4, N J

SOAPS, METALLIC

Combinations of various metals, except sodium and potassium, with stearic, palmitic, oleic, and other fatty acids. Metallic soaps are insol. They are used for waterproofing fabrics, in the flatting of paints and varnishes, in bodying up liq. containing pigments and other suspended matter, in the mfr. of lubricants, in metal working, in leather, plastics, etc. See Aluminum Stearate, Aluminum Palmitate, Calcium Stearate, Magnesium Stearate, Zinc Stearate, etc.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*Argus Chem Lab, 56 Clifton Pl, Bklyn 5, N Y
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E F Drew & Co, 15 E 26 St, N Y 10
Dura Chem Co, 20 Vesey St, N Y 7
*Harshaw Chem Co, 1945 E 97 St, Cleveland 6, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
*Indium Corp of America, 60 E 42 St, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Martin, Hoyt & Milne, 615-625 Merchants Exchange Bldg, San Francisco 4, Cal
*Mathe Chem Co, 169 Milbank St, Lodi, N J
Merchants Chem Co, 60 E 42 St, N Y 17
*Metasap Chem Co, Logan & Davis Sts, Harrison, N J
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Nd W Parsons-Plymouth, 59 Beekman St, N Y 38
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
Wm B Tabler Co, 1612 Heyburn Bldg, Louisville, Ky
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

SOAPS, SILK

High-grade soaps, usually made from olive, palm oils, or oleic acid, free from color and rancidity, also free of resin or other soap builders used as degummers and during and after dyeing. For suppliers see Soaps, Textile.

*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J

*Company classifies itself as manufacturer or producer of this product

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SOAPS, SILK, continued

*James Counts Soap Co, 3216-18 Delaware Blvd, St Louis 3, Mo
*E F Drew & Co, 15 E 26 St, N Y 10
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Jos Turner & Co, Ridgefield, N J
*Ultra Chem Works, 2 Wood St, Paterson 4, N J

SOAPS, TEXTILE

Various types of soaps used in the textile industry for removing the natural oils, greases, etc., as well as foreign dirt and grime which accumulates on fibers of animal and vegetable origin. Textile soaps must not injure the fibres nor deposit impurities on the goods which would cause trouble with dyeing and finishing operations. See also Detergents, Textile.

*Ciba Co, 627 Greenwich St, N Y 14
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Commonwealth Color & Chem Co, 3240 Grace Ave, Bronx 67, N Y
*E F Drew & Co, 15 E 26 St, N Y 10
*Emkay Chem Co, 319 2 St, Elizabeth 1, N J
Mitchell Fels, 274 E Ashmead St, Box 4270, Phila 44, Pa
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Geigy Co, 89 Barclay St, N Y 8
*A Harrison & Co, P O Box 494, Pawtucket, R I
*Laurel Soap Mfg Co, Tioga & Thompson St, Phila 34, Pa
John D Lewis, 68 Traverse St, Providence 1, R I
Marlowe-Van Loan Corp, Box 1851, High Point, N C
Edward Mendell Co, 24 W 45 St, N Y 19
Merchants Chem Co, 60 E 42 St, N Y 17
M Michel & Co, 90 Broad St, N Y 4
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Pennsylvania Detergents Co, 2238 N Philip St, Phila 33, Pa
*Perkins Soap Co, 210 Albany St, Springfield, Mass
*Scher Bros, 519 Getty Ave, Clifton, N J
Seaboard Industries, 195 Keen St, Paterson, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Silk City Chem Co, 200 Carlisle Ave, Paterson 1, N J
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Standard Soap Co of Camden, 205 S 2 St, Camden, N J
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
*Utility Chem Co, 145 Peel St, Paterson 4, N J
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
*Watson-Park Co, Ballardvale, Mass

SOAPS, WIRE DRAWING

Grease soaps to which talc is added providing the necessary lubrication for wire-drawing.

*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Gerson Stewart Corp, Lisbon Rd, Cleveland 4, Ohio
*Huntington Labs, Huntington, Ind
*Magnuson Products Corp, 50 Court St, Bklyn 2, N Y
*Mathe Chem Co, 169 Milbank St, Lodi, N J
Merchants Chem Co, 60 E 42 St, N Y 17
*Murphy's Oil Soap Co, 9505 Cassius Ave, Cleveland, Ohio
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Pacific Soap Co, 6830 McKinley Ave, Los Angeles 1, Cal
Philipp Bros Chem, 37 Wall St, N Y
*Phoenix Oil Co, 9505 Cassius Ave, Cleveland, Ohio
*G Whitfield Richards, 1732 Carlton St, Phila 3, Pa

SOAPS, WOOL

Soaps of different types and characteristics are generally employed in three major operations: 1. Cleaning raw stock; 2. Cleaning the yarns; 3. Milling or fulling the cloth. For suppliers see Soaps, Textile.

*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*E F Drew & Co, 15 E 26 St, N Y 10
Frank G Fanning, 50 E 42 St, N Y 17
Edward Mendell Co, 24 W 45 St, N Y 19
Merchants Chem Co, 60 E 42 St, N Y 17
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Perkins Soap Co, 210 Albany St, Springfield, Mass
Philipp Bros Chem, 37 Wall St, N Y

SOAPSTONE see Talc

SODA ASH (Anhydrous Sodium Carbonate)

Na_2CO_3. Grayish-white powd. Constants vary according to grade and purity. Sol. water. Uses—mfr. sodium salts, pharmaceutical products, soap, rubber, boiler compounds, printing inks, dry colors, perfume preps.

*Company classifies itself as manufacturer or producer of this product

SODA, ASH, continued

synth. perfumes, glass, ceramics, fire, waterproofing, and household compositions, paper, paints, enamelware; fur re-laundering; bottle and dish washing; refining tallow oil; scouring wool; softening water and leather; dyeing textiles; in cleaning compounds; in metallurgical industries. Grades—light and dense, 58% Na_2O sold on basis of 58% Na_2O.

S L Abbot Co, 135 King St, San Francisco 7, Cal
Adams-Henry Chem Co, 32 Broadway, N Y 4
Aetna Color & Chem Co, 60 Linden Ave, E Paterson, N J
American-British Chem Supplies, 180 Madison Ave, N Y
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*American Potash & Chem Co, 122 E 42 St, N Y 17
Amplex Co, 60 Wall St, N Y
Arnold, Hoffman & Co, 55 Canal St, Providence, R I
Atlantic Chem & Equipment Co, 874 Ashby St N W, Atlanta 3, Ga
Barada & Page, Guinotta & Mich Ave, Kansas City 1, Mo
Bartlett Chem, 1460 Peters St, New Orleans 13, La
Bergstrom Trading Co, 233 Broadway, N Y
Bridge Chem Co, 2525 W. Madison St, Chicago, Ill
F M Browning Co, 150 Broadway, N Y 38
Central O B Products Co, 1230 Genessee St, Buffalo, N Y
Chematar Inc, Exchange Pl, N Y 5
Chem Mfg Co, 21 West St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
Chem Supply Co, 302 Railroad St, Neenah, Wis
John A Chew, 60 E 42 St, N Y 17
Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
Cole Labs, 42-25 9 St, L I C 1, N Y
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
De Bear Inc, 636 11 Ave, N Y 19
*Diamond Alkali Co, 300 Union Commerce Bldg Cleveland 14, Ohio
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Duff Chem Co, 342 Madison Ave, N Y 17
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Dusa Chem Co, Fulton St, Poughkeepsie, N Y
Dyechem Products Corp, 60 Broad St, N Y 4
Eastern Seaboard Supply Corp, 238 Melrose St, Bklyn 6, N Y
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Empire Chem Corp, 21 West St, N Y 6
Faesy & Besthoff, 325 Spring St, N Y 13



SODA ASH

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- Sodium Benzoate
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- Sodium Bromide
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- Sodium Nitrite
- Sodium Phosphates
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Calcium Hypochlorite
Carbon Tetrachloride
Caustic Potash
Formic Acid
Hydrogen Peroxide
Oxalic Acid
Phenol
Potassium Bichromate
Soaps
Sod Sesquicarbonate
Sodium Bicarbonate
Sodium Bichromate
Sodium Bisulphite
Sodium Hydrosulphite
Sodium Sulphate
Sodium Tripolyphosphate
Synthetic Detergents
Tetrasodium Pyrophosphate
Textile Specialties
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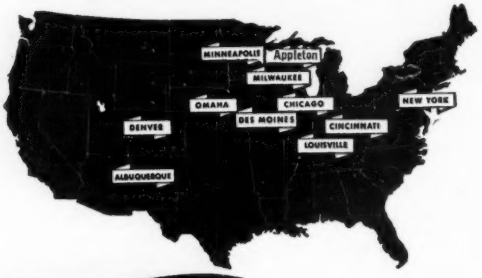
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*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
Merchants Products Corp, Margaret & Pearce Sts, Phila 37 Pa
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
Chas Page & Co, 50 E 42 St, N Y 17
Philipp Bros Chem, 37 Wall St, N Y
Port Huron Detergent Co, 1320 2 St, Port Huron, Mich
Prime Products Corp, 62 William St, N Y 5
Prior Chem Corp, 420 Lexington Ave, N Y 17
Products Trading Corp, 1775 Broadway, N Y 19
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Rodgers Chem Co, 237 4 Ave, Pittsburgh Pa
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Sessions-Gifford Co, 255 Allens Ave, Providence, R I
H D Sheldon & Co, 104 5 Ave, N Y
Shepard Chem Corp, 117 Liberty St, N Y 6
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Silk City Chem Co, 200 Carlisle Ave, Paterson 1, N J
George F Smith, 60 E 42 St, N Y 17
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
J U Starkweather Co, 241 Allens Ave, Providence, R I
Starr Mfg & Chem Co, 607 Shawnee St, Lima, Ohio
Ben P Steele Co, 343 Madison Ave, N Y 17
Superior Products Co, 148-148A Pearl St, Somerville, Mass
I D Talve Trading Co, 305 Broadway, N Y
F H Taussig Chem, 175 W 76 St, N Y 23
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8 Mo
George Uhe Co, 76 9 Ave, N Y 14
Van Waters & Rogers, 4000 1 Ave S, Seattle, Wash
Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
O J Weeks Co, 16 Hudson St N Y 13
Welch, Holme & Clark Co, 439 West St, N Y 14
Western Chem Co, Box 703, Altoona, Pa
Westvaco Chem Div, 405 Lexington Ave, N Y 17
White Star Chem Corp, 2030 E Adams St, Jacksonville, Fla
Witco Chem Co, 295 Madison Ave, N Y 17
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

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NaOH. White, deliq. amorp. solid flake or ground, liq. solution. Sp. gr. 2.13. M.P. 318°C. B.P. white heat. Sol. water, alcohol, ether, glycerin. Uses—mfr. sodium salts, oxalic acid, soap, chemical pulp, aniline dyes, indigo, intermediates, organic chemicals, phenol, resorcinol, naphthol, picrates, paints, rayon, paper, pigments, varnishes, synth. perfumes, boiler compounds, glass, ceramics, synth. drugs; mercerizing cotton; purifying oils and fats; refining petroleum; reclaiming rubber; softening water; bleaching, dyeing and printing textiles; laboratory reagent; in metal industries; engraving and lithography; in medicine. Grades—U.S.P. sticks; solution; C.P. sticks; tech. solid, ground, flaked, granulated (60% and 76% Na_2O); sold on basis of 76% Na_2O solution.

S L Abbot Co, 135 King St, San Francisco 7, Cal
Adams-Henry Chem Co, 32 Broadway, N Y 4
Advance Solvents & Chem Corp, 245 5 Ave, N Y 16

*Company classifies itself as manufacturer or producer of this product

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American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
Amplex Co, 60 Wall St, N Y
Amsco Solvents & Chem Co, 4619 Reading Road, Cincinnati 29, Ohio
Atlantic Chem & Equipment Co, 874 Ashby St N W, Atlanta 3, Ga
Barada & Page, Guinotta & Mich Ave, Kansas City 1, Mo
Bartlett Chem, 1460 Peters St New Orleans 13, La
Bergstrom Trading Co, 233 Broadway, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
F M Browning Co, 150 Broadway, N Y 38
Cascade Chem Co, 3217 17 Ave W, Seattle, Wash
Castle Color & Chem Co, 24 W 45 St, N Y 17
Central O B Products Co, 1230 Genessee St, Buffalo, N Y
Chematar Inc, Exchange Pl, N Y 5
Chem Mfg Co, 21 West St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
Chem Supply Co, 302 Railroad St, Neenah, Wis
John A Chew, 60 E 42 St, N Y 17
Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
Cole Labs, 42-25 9 St, L I C 1, N Y
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
De Bear Inc, 636 11 Ave, N Y 19
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*Dow Chem Co, Midland, Mich
Duff Chem Co, 342 Madison Ave, N Y 17
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Duso Chem Co, Fulton St, Poughkeepsie, N Y
Dyechem Products Corp, 60 Broad St, N Y 4
Eastern Seaboard Supply Corp, 238 Melrose St, Bklyn 6, N Y
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Empire Chem Corp, 21 West St, N Y 6
Faesy & Besthoff, 325 Spring St, N Y 13
Frank G Fanning, 50 E 42 St, N Y 17
Farber Products Co, 226 Lafayette St, N Y 12
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Frontier Chem Co, 321 W Douglas, Wichita, Kan
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
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*H & W Chem, 182-200 Anderson Ave, Rochester 3, N Y
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Abner Hood Chem Co, 507 N Montgall Ave, Kansas City 1, Mo
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B J Howard Co, Whitaker Bldg, Baltimore 2, Md
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*Julius Hyman & Co, Box 2171, Denver, Col
Ideal Chem & Supply Co, P O Box 5597, Memphis 4, Tenn
Industrial Chem Products Co, 422 Beacon St, Dayton 2, Ohio
*Innis, Speiden & Co, 117 Liberty St, N Y 6
International Selling Corp, 70 Pine St, N Y
King Chem Co, 31 New Haven Railroad St, Mt Vernon, N Y
Kingston Chem Co, 15 William St, N Y 5
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
*Kuehne Chem Co, Woodruff Lane, Elizabeth, N J
L J & M La Place, Leliarts Lane, E Paterson, N J
A Lee Co, Box 898, Lawrence, Mass
Legion Chem, 70 Wall St, N Y 5
John D Lewis, 68 Traverse St, Providence 1, R I
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
George Mann & Co, 251 Fox Point Blvd, Providence, R I
Manufacturers Chem Co, 527 5 Ave, N Y 17
Marlowe-Van Loan Corp, Box 1851, High Point, N C
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
McKesson & Robbins, 155 E 44 St, N Y17
Merchants Chem Co, 60 E 42 St, N Y 17
Merchants Products Corp, Margaret & Pearce Sts, Phila 37, Pa
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J

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*Niagara Alkali Co, 60 E 42 St, N Y 17
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
Chas Page & Co, 50 E 42 St, N Y 17
*Pennsylvania Salt Mfg Co, 2901 Taylor Way, Tacoma 1, Wash
Philipp Bros Chem, 37 Wall St, N Y
Port Huron Detergent Co, 1320 2 St, Port Huron, Mich
Prime Products Corp, 62 William St, N Y 5
Prior Chem Corp, 420 Lexington Ave, N Y 17
Products Trading Corp, 1775 Broadway, N Y 19
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Robinson Bros Chem, 255 Randolph St, Bklyn 6, N Y
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*Scholler Bros, Collins & Westmoreland Sts, Phila 34, Pa
Seaboard Industries, 195 Keen St, Paterson, N J
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Sessions-Gifford Co, 255 Allens Ave, Providence, R I
H D Sheldon & Co, 104 5 Ave, N Y
Shepard Chem Corp, 117 Liberty St, N Y 6
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Siegel Chem Co, Hanson Pl, Bkln 17, N Y
Silk City Chem Co, 200 Carlisle Ave, Paterson 1, N J
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White Star Chem Corp, 2030 E Adams St, Jacksonville, Fla
Witco Chem Co, 295 Madison Ave, N Y 17
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

SODA NITRE SALITER see Sodium Nitrate

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*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
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Merchants Chem Co, 60 E 42 St, N Y 17
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
Port Huron Detergent Co, 1320 2 St, Port Huron, Mich
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Welch, Holme & Clark Co, 439 West St, N Y 14
*Wyandotte Chem Corp, J B Ford Div, Wyandotte, Mich

SODAS, MODIFIED

Combinations of mild and strong alkalies sometimes called neutral sodas, prepared in varying strengths to meet particular requirements and possessing good cleansing properties. See Sodas, Laundry; Sodas, Tanners'; Sodas, Textile.

Chem Mfg Co, 21 West St, N Y 6
John A Chew, 60 E 42 St, N Y 17
Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
*Columbia-Southern Chem Corp, 5 Ave at Bellefield Pittsburgh, Pa
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
Great Lakes Chem Co, 2525 S 50 Ave, Chicago 50, Ill
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13 Minn
McKesson & Robbins 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
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Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Siegel Chem Co, Hanson Pl, Bklyn 17, N Y
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Welch, Holme & Clark Co, 439 West St, N Y 14
*Wyandotte Chem Corp, J B Ford Div, Wyandotte, Mich

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Mixtures of alkalies prepared specially for tanning operations where a less alkaline product than Tanners' Alkali is desirable.

*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
Merchants Chem Co, 60 E 42 St, N Y 17
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*Wyandotte Chem Corp, J B Ford Div Wyandotte, Mich

SODAS, TEXTILE

Mixtures of alkalies prepared specially for textile operations where a sl. milder agent than soda ash is wanted. See also Detergents, Textile.

*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
Merchants Chem Co, 60 E 42 St, N Y 17
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Welch, Holme & Clark Co, 439 West St, N Y 14
*Wyandotte Chem Corp, J B Ford Div, Wyandotte, Mich

SODIUM ACETATE

$NaC_2H_3O_2.3H_2O$. Colorless, efflorescent transparent cryst. Sp. gr. 1.4. M.P. 58°C. Sol. water, ether, sl. sol. alcohol. Uses—mfr. acetic anhydride, cinnamic acid, intermediates, organic chemicals, para-red, synth. dyestuffs, pharmaceuticals, soaps, Schweinfurt green, dry colors, copper acetate pigment; dehydrating agent; mordant and resist in dyeing and printing textiles; photographic and labor-

CAUSTIC SODA

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incorporated
Industrial & Fine Chemicals
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MONOCHLORACETIC ACID

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MONOCHLORACETIC ACID SODIUM SALT

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*Company classifies itself as manufacturer or producer of this product

Greeff

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(Crystals)

As manufactured by Otto Chemical Co.
Sergeant, Pa.

R. W. GREEFF & CO., INC.
10 ROCKEFELLER PLAZA, NEW YORK 20, N. Y. 2205 TRIBUNE TOWER, CHICAGO, ILLINOIS

SODIUM ACETATE, continued

atory reagent; purifying glucose; extracting alkaloids from opium; preserving meats; electroplating reagent; in medicine. Grades—U.S.P.; C.P.; tech.; fused; recrystallized.

Adams-Henry Chem Co, 32 Broadway, N Y 4
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Chem Service Corp, 82 Beaver St, N Y 5
C B Coburn Co, 63 Market St, Lowell, Mass
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Faesy & Besthoff, 325 Spring St, N Y 13
Wm S Gray & Co, 342 Madison Ave, N Y 17
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Howe & French, Mfg Dept, E Weymouth, Mass
Philip A Hunt Co, Palisades Park, N J
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11 N Y
Philipp Bros Chem, 37 Wall St, N Y
Prior Chem Corp, 420 Lexington Ave, N Y 17
Repubic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
*Ritter Chem Co, 403 W Main St, Amsterdam, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Seabord Industries, 195 Keen St, Paterson, N J
E M Sergeant Pulp & Chem Co, 7 Dey St, N Y 7
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
J U Starkweather Co, 241 Allens Ave, Providence, R I
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y

SODIUM ACID, PYROPHOSPHATE (Disodium Dihydrogen Pyrophosphate, Acid, Sodium Pyrophosphate)

$Na_2H_2P_2O_7$. White powd. Sol. water. Uses—as ingredient of flour, leavening agent, in electroplating, particularly of tin. Grades—food; C.P. commercial.

*Blockson Chem Co, Patterson Rd, Joliet, Ill
Chem Mfg Co, 21 West St, N Y
John A Chew, 60 E 42 St, N Y 17
Enco Chem Corp, 441 Lexington Ave, N Y 17
Faesy & Besthoff, 325 Spring St, N Y 13
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13 Minn
*Maas Chem Co, 4570 Ardine St, S Gate, Cal
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
RepubHc Chem Corp, 94 Beekman St, N Y 38
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Witco Chem Co, 295 Madison Ave, N Y 17
Wollen Chem & Supply Co, 126 6 Ave, Paterson, N J

SODIUM ALGINATE—see also Algin

A hydrophyllic vegetable colloid extracted from sea kelp. Has neutral reaction; sol. in water. Uses—stabilizer in the mfr. of ice cream, chocolate milk, cosmetics, etc.

*Algin Corp of America, 24 State St, N Y 4
American-British Chem Supplies, 180 Madison Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
T M Duche & Sons, 117-119 Hudson St, N Y 13
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Kelco Co, 31 Nassau St, N Y 5
Kem Products Co, 227-229 High St, Newark 2, N J

SODIUM ALKYL ARYLSULFONATE

Antara Products Div, 435 Hudson St N Y 14
*Atlantic Refining Co, 260 S Broad St, Phila, Pa
*Chipman Chem Co, Bound Brook, N J
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Fiber Chem Corp, Box 218, Matawan, N J
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Oronite Chem Co, 38 Sansome St, San Francisco, Cal
Riches-Nelson, 342 Madison Ave, N Y 17
*Scher Bros, 519 Getty Ave, Clifton, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Stepan Chem Co, 1353 N Branch St, Chicago 22, Ill
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Warwick Chem Co Div, Wood River Junction, R I
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

SODIUM ALKYL SULFATES

*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Scher Bros, 519 Getty Ave, Clifton, N J
*Warwick Chem Co Div, Wood River Junction, R I

SODIUM ALUMINATE

$Na_2Al_2O_4$. M.W. 81.97. White, amorp. powd. M.P. 1650°C. Sol. water. Uses—mfr. milky glass, soap; in water treatment; sizing paper; hardening building stones; mordants in dyeing and printing textiles; as cleaning compound. Grades—27 degree Baume solution.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54 Ill
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
International Selling Corp, 70 Pine St, N Y 5
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*National Aluminate Corp, 6216 W 66 Pl, Chicago 38, Ill

SODIUM ALUMINUM FLUORIDE see Cryolite, Synthetic

SODIUM ALUMINUM SILICOFLUORIDE

Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
Henry Sundheimer Co, 103 Park Ave, N Y 17

SODIUM ALUMINUM SULFATE—see also Alum Sodium

$Al_2(SO_4)_3.Na_2SO_4.24H_2O$. Colorless cryst., saline astringent taste. Sp. gr. 1.675. M.P. 61°C. Uses—textiles, ceramics, dry colors, tanning, paper size precipitant, matches, inks, engraving, sugar refining, water purification, medicine.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

SODIUM AMIDE

*Bios Labs, 17 W 60 St, N Y 23
*Farchan Research Labs, 609 E 127 St, Cleveland 8, Ohio

SODIUM AMIDE

(Free Flowing Powder)

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Box B Cleveland 8, Ohio

SODIUM p-AMINOBENZOATE

$NH_2C_6H_4COONa$. M.W. 147.11. White or sl. yellowish, odorless powd. Sol. in water; sl. sol. alcohol. Uses—in medicine for the treatment of rickettsial diseases.

Bendix Chem Corp, 420 Lexington Ave, N Y
Frank J Breen, 5340 S Maryland Ave, Chicago, Ill
Conray Products, 510 6 Ave, N Y 11
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
*Desmo Chem Corp, 565 5 Ave, N Y 17
*Fisher Chem Co, 60 E 42 St, N Y 17
*Gane's Chem Works, 677 5 Ave, N Y 22
*Gane & Ingram, 43 W 16 St, N Y 11
Fallek Products Co, 163 Broadway, N Y 6
*Lamex Chem Corp, 25 Broadway, N Y 4
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Polychem Co, 494 Hunts Point Ave, N Y 59
*Richmond Chem Corp, 1741 Richmond Terrace, S I 10, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Seydel Chem Co, 225 Mercer St, Jersey City 2, N J

SODIUM p-AMINOSALICYLATE

American Roland Corp, 16 Hudson St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Conray Products, 510 6 Ave, N Y 11
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10 Ill
*Desmo Chem Corp, 565 5 Ave, N Y 17
Fallek Products Co, 163 Broadway, N Y 6
Gane & Ingram, 43 W 16 St, N Y 11
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Keto Chem Co, 40-33 23 St, L I C 1, N Y
Lack Chem Co, 19 Park Pl, N Y 7
*Lamex Chem Corp, 25 Broadway, N Y 4
McKesson & Robbins, 155 E 44 St, N Y 17
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Penray Corp, 340 Canal St, N Y 13
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Tennessee Eastman Co, 10 E 40 St, N Y 16
George Uhe Co, 76 9 Ave, N Y 14

SODIUM AMMONIUM HYDROGEN PHOSPHATE see Sodium Ammonium Phosphate

*Company classifies itself as manufacturer or producer of this product

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FOR LISTINGS OF OTHER PRODUCTS SEE AD IN CO. DIRECTORY SECTION

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SODIUM BENZOATE

Grades: U.S.P., assay 99.0% min.; Technical, assay 99.0% min. (dry basis).

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Organic Chemicals Division
St. Louis 4, Mo.

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MONSANTO CHEMICALS – PLASTICS

SODIUM AMMONIUM PHOSPHATE (Microsmic Salt, Phosphorus Salt, Sodium Ammonium Hydrogen Phosphate)

$NaNH_4HPO_4.4H_2O$. M.W. 209.13. Colorless cryst. Sp. gr. 1.574. Decomp. on heating. Sol. water. Uses—reagent in blowpipe analysis; standardizing uranium solutions; determination of magnesium and manganese. Grades—tech.; C.P.; granular.

*J T Baker Chem Co, Phillipsburg, N J
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo

SODIUM ANTIMONATE (Sodium m-Antimonate)

$NaSbO_3.1/4H_2O$. White infusible powd. Loses water at 230°C. Insol. in water, dilute alkalies and mineral acids. Sol. in tartaric acid. Uses—an opacifier for vitreous enamels for sanitary ware or sheet steel. Grades—tech.

*Metal & Thermit Corp, 100 E 42 St, N Y 17

SODIUM ARSENATE

$Na_3AsO_4.12H_2O$. M.W. 424.11. Colorless cryst. Sp. gr. 1.754. M.P. 86.3°C. Sol. water; sl. sol. alcohol. Uses—mfr. lead arsenate, insecticidal and germicidal compositions, dry colors, printing inks; mordant and assistant in dyeing and printing textiles; in medicine. Grades—pure cryst.; pure dry; tech.; C.P.; U.S.P.

*J T Baker Chem Co, Phillipsburg, N J
Chem Mfg Co, 21 West St, N Y
Harry Dixon & Sons, 250 Park Ave, N Y 17
Faesy & Besthoff, 325 Spring St, N Y 13
International Selling Corp, 70 Pine St, N Y 5
Nopel Corp, 2 Broadway, N Y 4
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

SODIUM ARSENITE (Sodium m-Arsenite)

$NaAsO_2$. Grayish-white, amorp. powd. Sp. gr. 1.87. Sol. water, alcohol. Uses—mfr. insecticides, soaps; preserving hides; dyeing textiles; general antiseptic. Grades—C.P.; pure; crude; poisonous.

American Firstoline Corp, 420 Lexington Ave, N Y
Faesy & Besthoff, 325 Spring St, N Y 13
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Nopel Corp, 2 Broadway, N Y 4
*Pennsylvania Salt Mfg Co, 152 Market St, Paterson, N J
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

SODIUM m-ARSENITE see Sodium Arsenite

SODIUM AURODICHLORIDE see Gold Sodium Chloride

SODIUM AZIDE

NaN_3. M.W. 65. Crystalline. Sol. water. Uses—mfr. of lead azide, medicinals.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*Bios Labs, 17 W 60 St, N Y 23
City Chem Corp, 132 W 22 St, N Y 11
*E I Du Pont de Nemours & Co, Explosives Dept & Explosives Dept, Chem & Misc Sales Section, Wilmington 98, Del
*Fairmont Chem Co, 600 Ferry St, Newark 5, N J

SODIUM BARBITAL (Mono Sodium Diethylbarbiturate)

$(C_2H_5)_2C:(CONNa.CONH):CO$. M.W. 206.14. White, odorless, bitter crystalline powd. Uses—medicinal.

American-British Chem Supplies, 180 Madison Ave, N Y
American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y

SODIUM BARBITAL, continued

Bendix Chem Corp, 420 Lexington Ave, N Y
*Gane's Chem Works, 677 5 Ave, N Y 22
*Gane & Ingram, 43 W 16 St, N Y 11
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Sterone Corp, 250 W 57 St, N Y 19
George Uhe Co, 76 9 Ave, N Y 14

SODIUM BENZENESULFONECHLORAMIDE see Chloramine B

SODIUM BENZOATE

$NaC_7H_5O_2$. White, amorp., odorless granules or crystalline powd. Sol. water, alcohol. Uses—mfr. aniline dyes, tooth powd.; food preservative; printing textiles; curing tobacco; in medicine. Grades—U.S.P.; crude; pure.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American-British Chem Supplies, 180 Madison Ave, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
*Edward S Burke, 65 Pine St, N Y
*Carus Chem Co, Box 364, LaSalle, Ill
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
Conray Products, 510 6 Ave, N Y 11
Consumers Products Co, 99 Hudson St, N Y 13
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Fallek Products Co, 163 Broadway, N Y 6
Frank G Fanning, 50 E 42 St, N Y 17
Wm S Gray & Co, 342 Madison Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
Hummel Chem Co, 90 West St, N Y 6
Innis, Speiden & Co, 117 Liberty St, N Y 6
Walter H Jelly & Co, 420 N Western Ave, Chicago 12, Ill
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Lack Chem Co, 19 Park Pl, N Y 7
H R Laist Co, 229 Rialto Bldg, San Francisco 5, Cal
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
Merchants Chem Co, 60 E 42 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Chas Page & Co, 50 E 42 St, N Y 17
Penray Corp, 340 Canal St, N Y 13
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
*Seydel Chem Co, 225 Mercer St, Jersey City 2, N J
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
George Uhe Co, 76 9 Ave, N Y 14

*Company classifies itself as manufacturer or producer of this product

SODIUM BENZYL SUCCINATE

*Seydel Chem Co, 225 Mercer St, Jersey City 2, N J

SODIUM BICARBONATE (Baking Soda, Hydrosodic Carbonate, Vichy Salts, Sodium Acid Carbonate)

$NaHCO_3$. Solid, white crystalline. Sp. gr. 2.19-2.22. Loses carbon dioxide at 270°C. Sol. water. Uses—mfr. baking powd., carbonated beverages, effervescent salts, sweetmeats, potteries, porcelains; gold and platinum plating; prevention of timber mold; preserving butter; in medicine. Grades—U.S.P.; C.P.; tech. (99%).

S L Abbot Co, 135 King St, San Francisco 7, Cal
American-British Chem Supplies, 180 Madison Ave, N Y
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
F M Browning Co, 150 Broadway, N Y 38
John A Chew, 60 E 42 St, N Y 17
*Church & Dwight Co, 70 Pine St, N Y 5
C B Coburn Co, 63 Market St, Lowell, Mass
Cole Labs, 42-25 9 St, L I C 1, N Y
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
Commercial Chem, 614 Ellicott Sq, Buffalo 3, N Y C
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Empire Chem Corp, 21 West St, N Y 6
Faesy & Besthoff, 325 Spring St, N Y 13
Alex C Ferguson Co, 44 E Oregon Ave, Phila 48, Pa
Great Lakes Chem Co, 2525 S 50 Ave, Chicago 50, Ill
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Abner Hood Chem Co, 507 N Montgall Ave, Kansas City 1, Mo
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
Innis, Speiden & Co, 117 Liberty St, N Y 6
E & F King & Co, 640 Pleasant St, Norwood, Mass



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Chloroform
Sodium Perborate
Ammonium Carbonate
Ammonium Bicarbonate
Sodium Sulphide
Sodium Hydrosulphite

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OFFICES IN PRINCIPAL CITIES

Executive Offices: Columbia-Southern Chemical Corporation, Subsidiary of Pittsburgh Plate Glass Co., Fifth Avenue at Bellefield, Pittsburgh 13, Pa.
District Offices: Chicago • Boston • New York • Philadelphia • Minneapolis Cleveland • St. Louis • Cincinnati • Charlotte • Houston • Dallas • New Orleans

COLUMBIA-SOUTHERN
CHEMICAL CORPORATION
A Subsidiary of Pittsburgh Plate Glass Company
FIFTH AVENUE AT BELLEFIELD, PITTSBURGH 13, PA.

*Company classifies itself as manufacturer or producer of this product

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SODIUM, POTASSIUM BICHROMATE AND CHROMIC ACID

REPUBLIC CHEMICAL CORP.

94 Beekman Street, New York 38
Cable Address: Jaynivrad



BICHROMATES

SODIUM POTASSIUM

CHROMIC ACID

The J. M. Baird Company

Cables: JOMBAIRD

147 NASSAU STREET, NEW YORK 38, N. Y. WOrth 4-0952

BICARBONATE of SODA

MONOHYDRATE of SODA

SAL SODA

STANDARD QUALITY

CHURCH & DWIGHT CO., INC.

Established 1846

70 PINE STREET NEW YORK 5, N.Y.

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Kingston Chem Co, William St, N Y 5
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Legion Chem, 70 Wall St, N Y 5
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
McKesson & Robbins, 155 E 44 St, N Y 17
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
Merchants Chem Co, 60 E 42 St, N Y 17
Merchants Products Corp, Margaret & Pearce Sts, Phila 37, Pa
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
Chas Page & Co, 50 E 42 St, N Y 17
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Rodgers Chem Co, 237 4 Ave, Pittsburgh, Pa
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Scher Bros, 19 Getty Ave, Clifton, N J
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Seaboard Industries, 195 Keen St, Paterson, N J
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
*Solvay Sales Div, 40 Rector St, N Y 6
J U Starweather Co, 241 Allens Ave, Providence, R I
I D Talve Trading Co, 305 Broadway, N Y
*F N Taussig Chem, 175 W 76 St, N Y 23
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Jos Turner & Co, Ridgefield, N J
George Uhe Co, 76 9 Ave, N Y 14
Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
O J Weeks Co, 16 Hudson St, N Y 13
L N White & Co, 24 Stone St, N Y 4
Witco Chem Co, 295 Madison Ave, N Y 17
Wolien Chem & Supply Co, 126 6 Ave, Paterson, N J N J
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

SODIUM BICHROMATE (Sodium Dichromate, Sodium Acid Chromate)

$Na_2Cr_2O_7 2H_2O$. Red deliq. cryst. Sp. gr. 2.52. Loses water at 100°C. M.P. 320°C. Decomp. on further heating. Sol. water. Uses—mfr. chrome alums, chrome pigments for paints, pyrotechnics, synth. perfumes and dyes, intermediates, electric batteries, organic chemicals, pharmaceuticals, fire-works, matches, chrome glues; chrome tanning leather; engraving copper plates; refining precious metals; electroplating; brass industry; mordant in dyeing and printing textiles; oxidizing agent in dyeing; laboratory reagent; bleaching sponges, general antiseptic; bleaching waxes, resins, fats, and oils; waterproofing and general oxidizing agent; refining petroleum products; in medicine; chemical film on lead and silver. Grades—tech.; C.P.; cryst.

American-British Chem Supplies, 180 Madison Ave, N Y
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
J H Bauminger, 421 7 Ave, N Y
F M Browning Co, 150 Broadway, N Y 38
Castle Color & Chem Co, 24 W 45 St, N Y 17
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
Cole Labs, 42-25 9 St, L I C 1, N Y
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Dyechem Products Corp, 60 Broad St, N Y 4
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Fallek Products Co, 163 Broadway, N Y 6
Frank G Fanning, 50 E 42 St, N Y 17
Farber Products Co, 226 Lafayette St, N Y 12
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
Fine Chem Co, 156 E 42 St, N Y 17
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
M W Hardy & Co, 141 Broadway, N Y 6
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 3, Minn
Philip A Hunt Co, Palisades Park, N J
Innis, Speiden & Co, 117 Liberty St, N Y 6
E & F King & Co, 640 Pleasant St, Norwood, Mass
Kingston Chem Co, 15 William St, N Y 5
A Lee Co, Box 898, Lawrence, Mass
Legion Chem, 70 Wall St, N Y 5
Boto Leopold, Woolworth Bldg, N Y 7
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Manufacturers Chem Co, 527 5 Ave, N Y 17

*Company classifies itself as manufacturer or producer of this product

SODIUM BICHROMATE, continued

McKesson & Robbins, 155 E 44 St, N Y 17
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
Merchants Chem Co, 60 E 42 St, N Y 17
Merchants Products Corp, Margaret & Pearce Sts, Phila 37, Pa
Mutchler Chem Co, 258 Broadway, N Y 7
*Mutual Chem Co of America, 270 Madison Ave, N Y 16
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*Natural Products Refining Co, 901-910 Garfield Ave, Jersey City 5, N J
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
Chas Page & Co, 50 E 42 St, N Y 17
Philipp Bros Chem, 37 Wall St, N Y
Prime Products Corp, 62 William St, N Y 5
Products Trading Corp, 1775 Broadway, N Y 19
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Scher Bros, 519 Getty Ave, Clifton, N J
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
H D Sheldon & Co, 104 5 Ave, N Y
Shepard Chem Corp, 117 Liberty St, N Y 6
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Jos Turner & Co, Ridgefield, N J
George Uhe Co, 76 9 Ave, N Y 14
Witco Chem Co, 295 Madison Ave, N Y 17

SODIUM BIFLUORIDE (Sodium Acid Fluoride)

NaF.HF. White, crystalline powd. Decomp. on heating. Sol. water. Uses—food preservative; preservative for anatomical, etc., specimens; etching glass; in medicine. Grades—tech.

American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
E I Du Pont de Nemours & Co, Graselli Chem Dept, Wilmington, Del
Fiber Chem Corp, Box 218, Matawan, N J
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Howe & French, Mfg Dept, E Weymouth, Mass
Innis, Speiden & Co, 117 Liberty St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Henry Sundheimer Co, 103 Park Ave, N Y 17
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y

SODIUM BICHROMATE
POTASSIUM BICHROMATE

Acetone
Ammonium Chloride
Calcium Chloride
Calcium Hypochlorite
Carbon Tetrachloride
Caustic Potash
Caustic Soda
Formic Acid
Hydrogen Peroxide
Oxalic Acid
Phenol
Soaps
Sod Sesquicarbonate
Soda Ash
Sodium Bicarbonate
Sodium Bisulphite
Sodium Hydrosulphite
Sodium Sulphate
Sodium Tripolyphosphate
Synthetic Detergents
Tetrasodium Pyrophosphate
Textile Specialties
Tri-Sodium Phosphate
Trichloroethylene
Triethanolamine
Urea

Siegel Chemical Co., Inc.
ONE HANSON PLACE
BROOKLYN 17, N. Y.
Cable: "SIEGKEM" Tel.: ULSTER 7-7400

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Chromic Acid

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SULPHATE OF SODA

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NATURAL PRODUCTS REFINING CO., JERSEY CITY 5, N. J.

NP-195

*Company classifies itself as manufacturer or producer of this product

SODIUM BINOXIDE see Sodium Peroxide

SODIUM BIPHOSPHATE see Sodium Phosphate, Mono-Sodium

SODIUM BISMUTH TARTRATE

*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

SODIUM BISMUTHATE

$NaBiO_3$. M.W. 280.00. Yellowish to brown. Amorp. Somewhat hygroscopic. Uses—in analysis of iron, steel and ores.

*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J

SODIUM BISULFATE (Nitre Cake, Sodium Acid Sulfate)

$NaHSO_4$. M.W. 120.06. Crystalline powd.—crude niter cake in lumps. Sp. gr. 2.742. M.P. 315°C. Sol. water. Decomp. in alcohol. Uses—mfr. sodium sulfate, salt cake, soda alum, paper, soap, perfumes, brick, mineral waters, carbon dioxide gas, glue; flux for decomposing minerals; substitute for sulfuric acid; pickling, cleansing, and scouring metals; water disinfectant; dyeing and bleaching textiles; washing wool. Grades—tech.; cakes and ground; crude; cryst.; dry; fused; C.P.

American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Ansul Chem Co, Marinette, Wis
*J T Baker Chem Co, Phillipsburg, N J
Chemsol Inc, 70 Prince St, Elizabeth 3, N J
John A Chew, 60 E 42 St, N Y 17
E B Coburn Co, 63 Market St, Lowell, Mass
*Cornwell Chem Corp, Cornwells Heights, Pa
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Fiber Chem Corp, Box 218, Matawan, N J
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Marlowe-Van Loan Corp, Box 1851, High Point, N C
McKesson & Robbins, 155 E 44 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Prior Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

SODIUM m-BISULFIDE see Sodium Bisulfite

SODIUM BISULFITE (Lencogen, Sodium Acid Sulfite, Sodium m-Bisulfide)

$NaHSO_3$. White, crystalline powd., sl. sulfurous odor. Sp. gr. 1.48. Decomp. on heating. Sol. water. Uses—mfr. sodium salts, cream of tartar, glucose, sugar, syrups, synth. dyestuffs and perfumes, intermediates, organic chemicals, tanning extracts; general antiseptic; antiseptic in fermentation industries; bleaching straw and cork; digesting wood pulp; sterilizing brewer's casks; antichlor in bleaching textiles; mordants and discharge in printing and dying fabrics; laboratory reagent; depilatory in cleaning hides; tanning leather; copper and brass plating; preserving foods; coagulating rubber latex; in medicine. Grades—powdered (65-67% SO_2); solution (32-40° Baume); pure dry; commercial dry; C.P.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstaline Corp, 420 Lexington Ave, N Y
J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
Barclay Chem Co, 75 Varick St, N Y
F M Browning Co, 150 Broadway, N Y 38
John A Chew, 60 E 42 St, N Y 17
E B Coburn Co, 63 Market St, Lowell, Mass
Conray Products, 510 6 Ave, N Y 11
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Philip A Hunt Co, Palisades Park, N J
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
*Merchants Chem Co, 1100 S Barclay St, Milwaukee 4, Wis
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
Mutchler Chem Co, 258 Broadway, N Y 7
Prior Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Seaboard Industries, 195 Keen St, Paterson, N J
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

SODIUM BISULFITE (continued)

Irving M Sobin Co, 74 Granite St, Boston 10, Mass
Spring Chem, 239 E 141 St, N Y 51
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Jos Turner & Co, Ridgefield, N J
O J Weeks Co, 16 Hudson St, N Y 13
Wollen Chem & Supply Co, 126 6 Ave, Paterson, N J

SODIUM m-BISULFITE

$Na_2S_2O_5$. M.W. 190.12. White, crystalline powd. Sol. water; insol. alcohol. Uses—reducing agent in mfr. of chemicals, dyestuffs, intermediates, sugar, in tanning extracts; mordant in dyeing; bleaching textiles, straw, cork, paper; antiseptic in fermentation in food industries; ingredient in photographic fixing baths and electroplating solutions; as an antichlor; sulfonation of double bonds to produce detergents.

J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
Philip A Hunt Co, Palisades Park, N J

SODIUM BORATE (Borax, Tincal, Tinkal, Sodium Tetraborate, Zola)

$Na_2B_4O_7.10H_2O$. Natural, white, solid crystalline or amorp. Sp. gr. 1.694 (17°C). Melts at red heat. Sol. water, glycerine. Uses—mfr. borax soaps, detergents, ceramics, borates, dyes, special glasses, inks, jewelry solder, synth. gems, solder, washing compound, varnishes, pigments, glazed paper and cards, cosmetics, starches, imitation marble; scouring and degumming agent; detergent for wool and woolen fabrics; mordant in printing and dyeing; solvent bleach; treating laces and linens; preservatives for wood, hides; laboratory reagent; neutralizing agent in chrome tanning; as flux; flux in welding; brazing agent; gold refining; enameling metals; lining safes; hat stiffener; in medicine. Grades—U.S.P.; C.P.; tech.—lump, powdered, glass.

Adams-Henry Chem Co, 32 Broadway, N Y 4
Aetna Color & Chem Co, 60 Linden Ave, E Paterson, N J
*American Potash & Chem Co, 122 E 42 St, N Y 17
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
F M Browning Co, 150 Broadway, N Y 38
Chematar Inc, Exchange Pl, N Y 5
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eaton Chem & Dyestuff Co, 190 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Frank G Fanning, 50 E 42 St, N Y 17
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
Gauge & Devis, 7 Front St, San Francisco 11, Cal
Great Lakes Chem Co, 2525 S 50 Ave, Chicago 50, Ill
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Abner Hood Chem Co, 507 N Montgali Ave, Kansas City 1, Mo
Enos F Jones Chem Co, 14 Florence St, Jersey City 4, N J
Kingston Chem Co, 15 William St, N Y 5
Lewis Co, 232 Canal St, N Y 13
G C McClellan & Co, 141 Milk St, Boston 9, Mass
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
*Pacific Coast Borax Co, 100 Park Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Seaboard Industries, 195 Keen St, Paterson, N J
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Sterling Borax Co, P O Box 217, New Brighton, Pa
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill
Wollen Chem & Supply Co, 126 6 Ave, Paterson, N J

SODIUM m-BORATE

NaB_3O_4 or $Na_2B_2O_4.4H_2O$. M.W. 131.6 or 203.7. Cryst. which effloresce on exposure to atmosphere. Sol. water. Uses—prep. of photographic chemicals, adhesives, textiles finishing compounds, textile processing, in detergents and cleaners.

*Merchants Chem Co, 1100 S Barclay St, Milwaukee 4, Wis
*Pacific Coast Borax Co, 100 Park Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Sterling Borax Co, P O Box 217, New Brighton, Pa
Wollen Chem & Supply Co, 126 6 Ave, Paterson, N J

SODIUM BOROFLUORIDE see Sodium Fluoborate

SODIUM BOROFORMATE

$(NaH_2BO_3.2HCOOH.2H_2O)$. White, crystalline. Solid. M.P. 110-111°C. Aqueous solution has a pH of approx. 8.5. Uses—buffering agent toward both acid and alkali; enhances bactericidal action of salicylates.

*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

SODIUM BOROHYDRIDE

$NaBH_4$. M.W. 37.8. White to gray-white microcrystalline powd. Sol. in water. Uses—reducing agent in organic synthesis.

*Metal Hydrides, 16 Congress St, Beverley, Mass

SODIUM BROMATE

$NaBrO_3$. White cryst. or powd. Sp. gr. 3.339 (17.5° C). M.P. 381°C. Sol. water. Uses—mfr. cyanogen bromide, inorganic chemicals. Grades—C.P.; pure; reagent.

J T Baker Chem Co, Phillipsburg, N J
*Dow Chem Co, Midland, Mich
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

SODIUM BROMIDE

a. NaBr. b. $NaBr.2H_2O$. Colorless deliq. cryst. Sp. gr. a. 3.203 (35°C). b. 2.176 (20°C). M.P. a. 757.7° C. decomp. on heating. B.P. decomp. 1455°C. Sol. water; sl. sol. alcohol. Uses—mfr. photographic emulsions, organic chemicals, in medicine. Grades—U.S.P.; C.P.; commercial; pure; cryst.; powdered.

American Roland Corp, 16 Hudson St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Chem Service Corp, 82 Beaver St, N Y 5
*Dow Chem Co, Midland, Mich
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
Mutchler Chem Co, 258 Broadway, N Y 7
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Prior Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turnet Co, 20 Vesey St, N Y 7
Jos Turner & Co, Ridgefield, N J
George Uhe Co, 76 9 Ave, N Y 14

SODIUM CACODYLATE (Sodium Dimethyl Arsenate)

$Na(CH_3)_2AsO_3.3H_2O$. M.W. 214.06. White, odorless, deliquescent cryst. or granular powd. M.P. 60°C. Uses—medicinal.

Philipp Bauer Co, 2 W 47 St, N Y
Conray Products, 510 6 Ave, N Y 11
*Edcan Labs, 10-20 Pine St, S Norwalk, Conn
*Fallek Products Co, 163 Broadway, N Y 6
*Lamex Chem Corp, 25 Broadway, N Y 4
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Polychem Co, 494 Hunts Point Ave, N Y 59
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

SODIUM CAMPHOR SULPHONATE

$C_{10}H_{15}O_4SNa$. M.W. 254. White, odorless, stable powd.; sol. water. Uses—medicinal.

American Roland Corp, 16 Hudson St, N Y
Conray Products, 510 6 Ave, N Y 11
*Fallek Products Co, 163 Broadway, N Y 6
*Fine Organics, 211 E 19 St, N Y 3
Hummel Chem Co, 90 West St, N Y 6
*Lamex Chem Corp, 25 Broadway, N Y 4
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

SODIUM CARBOLATE see Sodium Phenate

*Company classifies itself as manufacturer or producer of this product

SODIUM CARBONATE see Soda Ash

SODIUM CARBONATE MONOHYDRATED (Crystal Carbonate)

$Na_2CO_3.H_2O$. White powd. Loses water at 100°C. Sol. water. Sp. gr. 1.55. Uses—mfr. chemicals, cleaning and boiler compounds; in laundry textile cleaning; photography; in medicine. Grades—U.S.P.; tech.

American-British Chem Supplies, 180 Madison Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
*Church & Dwight Co, 70 Pine St, N Y 5
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Faesy & Besthoff, 325 Spring St, N Y 13
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Philip A Hunt Co, Palisades Park, N J
*Maas Chem Co, 4570 Ardine St, S Gate, Cal
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
L B Russell Chem, 60 Orange St, Bloomfield, N J
Spring Chem, 239 E 141 St, N Y 51
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
Wholesale Supply Co, Box 16337 Vine St, Sta, Los Angeles 38, Cal

SODIUM CARBONATE PEROXIDE

*Becco Sales Corp, Station B, Buffalo 7, N Y

SODIUM CARBOXYMETHYL CELLULOSE (Sodium Cellulose Glycolate)

White to cream-colored finely ground powd. Uses—detergency promoter; paper finish for resistance to grease and ink; warp size and finishing material; emulsifying agent; adhesive and binder in ceramics.

American Firstoline Corp, 420 Lexington Ave, N Y
Antara Products Div, 435 Hudson St, N Y 14
J M Baird Co, 147 Nassau St, N Y
*E I Du Pont de Nemours & Co, Explosives Dept, Chem & Misc Sales Section, Wilmington 98, Del
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*H Kohnstamm & Co, 83Park Pl, N Y 7
Merchants Products Corp, Margaret & Pearce Sts, Phila 37, Pa
Opalco Lab, 20 E Pittsbugh Blvd, McKeesport, Pa
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

SODIUM CASEINATE

*Sheffield Farms Co, Chemurgic Div, Box 630, Norwich, N Y

SODIUM CELLULOSE GLYCOLATE see Carboxymethyl Cellulose

SODIUM CHLORATE

$NaClO_3$. Colorless cryst. Sp. gr. 2.490. M.P. 250°C. Decomp. on further heating. Sol. water, alcohol. Uses—mfr. matches, bromine from natural brines, explosive compositions; general oxidizing agent for chemical purposes; as weed killer; substitute for potassium chlorate; tanning and finishing leather; mordant in dyeing and printing textiles; in medicine. Grades— cryst.; powd.; C.P.; U.S.P.; tech.

Adams-Henry Chem Co, 32 Broadway, N Y 4
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*Cardox Corp, 307 N Mich Ave, Chicago 1, Ill
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Ouff Chem Co, 342 Madison Ave, N Y 17
Faesy & Besthoff, 325 Spring St, N Y 13
Hummel Chem Co, 90 West St, N Y 6
International Selling Corp, 70 Pine St, N Y 5

OLDBURY ELECTRO-CHEMICAL COMPANY

SODIUM CHLORATE

POTASSIUM PERCHLORATE	**POTASSIUM CHLORATE**
PHOSPHORIC ACID 85% NF VIII	**OXALIC ACID** *Powdered or Crystal*
PHOSPHORUS OXYCHLORIDE	**PHOSPHORUS PENTACHLORIDE**
PHOSPHORUS TRICHLORIDE	**PHOSPHORUS PENTASULFIDE**
PHOSPHORIC ANHYDRIDE	**PHOSPHORUS (Yellow or White)**

PHOSPHOROUS ACID

HYPOPHOSPHITES **ZINC PHOSPHIDE**

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CARBOSE*

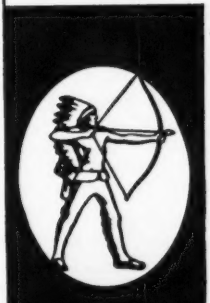
(Sodium Carboxymethylcellulose)

Wyandotte Carbose is designed specifically for detergent applications and a wide variety of other industrial uses requiring a low viscosity, rapidly soluble material.

In addition to its use in conjunction with soaps and synthetic detergents to effect a marked increase in carbon soil removal and whiteness retention on cottons, Carbose is extremely useful for improving the bursting strength of test liner as well as for giving various types of paper and paper board a superior finish which is resistant to penetration by inks and grease.

Carbose is of value as a warp size and finishing material in the textile industry.

Other applications include its use as a protective colloid, as an emulsifying agent and as an adhesive binder. *Reg. U. S. Pat. Off.



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Other Organic and Inorganic Chemicals

*Company classifies itself as manufacturer or producer of this product

SODIUM CHROMATE

Other MUTUAL Products

Sodium Bichromate

Potassium Bichromate

Potassium Chromate

Ammonium Bichromate

Chromic Acid

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New York 16, N. Y.
Plants: Baltimore and Jersey City

CITRATES

SODIUM CITRATE

CITRIC ACID

POTASSIUM CITRATE

FERRIC AMMONIUM CITRATES

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CALCIUM CITRATE *(PURIFIED)*

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SODIUM CHLORATE, continued

John D Lewis, 68 Traverse St, Providence 1, R I
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
Mutchler Chem Co, 258 Broadway, N Y 7
Oil & Chem Products, 295 Madison Ave, N Y 17
*Oldbury Electro Chem Co, 19 Rector St, N Y 6
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
E M Sergeant Pulp & Chem Co, 7 Dey St, N Y 7
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

SODIUM CHLORIDE (Salt, Common Salts, Rock Salt, Sal Culinaris, Table Salt, Sea Salt)

NaCl. M.W. 58.45. Natural, colorless or white, hygroscopic cryst. Sp. gr. 2.161. M.P. 804°C. B.P. 1413° C. Sol. water, glycerol. Uses—mfr. sodium salts, chlorates, hyperchlorites, chlorine, bleaching powd., hydrochloric acid, metallic sodium, pickles, butter, margarine, mineral waters; dyes, ceramic glazes, paper, glass, fertilizing compositions, food preps.; for culinary and pickling purposes; as condiment; preserving fish and meat; in dairy industry; metallurgy of zinc, copper, silver, and gold; salting dyestuffs; in freezing mixtures and cattle foods; photographic and laboratory reagent; dyeing and printing textiles; salting out soap; sodium light for spectroscopic and polariscopic work; curing hides; tanning leather; in medicine. Grades—C.P.; crude rock, sea, evaporated; U.S.P.; medicinal; fused; ground, powdered cryst.

Adams-Henry Chem 32 Broadway, N Y 4
American-British Chem Supplies, 180 Madison Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*Carey Salt Co, Carey Bldg, Hutchinson, Kan
*Cayuga Rock Salt Co, Myers, N Y
C B Coburn Co, 63 Market St, Lowell, Mass
Cutler-Magner Co, 116 Fidelity Bldg, Duluth, Minn
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
R Gesell, 200 W Houston St, N Y 14
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*International Salt Co, Adams & Thomas St, Scranton, Pa
Merchants Chem Co, 60 E 42, St, N Y 17
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Morton Salt Co, 120 S La Salle St, Chicago 3, Ill
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Republic Chem Corp, 94 Beekman St, N Y 38
*Schuylkill Chem Co, 2354 Sedgley Ave, Phila, Pa
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
*Solvay Sales Div, 40 Rector St, N Y 6
J U Starkweather Co, 241 Allens Ave, Providence, R I

SODIUM CHLORITE

$NaClO_2$. Uses—oxidizing agent, bleaching, reagent.

*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa

SODIUM CHLOROACETATE

$Cl\text{-}CH_2\text{-}COONa$. M.W. 116.5. White powd. Uses—in the mfr. of thioglycollates, weed killers, dyes, vitamins, pharmaceuticals, photographic chemicals; in numerous other organic syntheses; in agriculture as a defoliant.

*Dow Chem Co, Midland, Mich

SODIUM CHLOROHYPOCHLORITE see Bleaching Powder

SODIUM o-CHLORO-p-TOLUENESULFONATE

$NaOSO_2C_6H_3CH_3Cl$. M.W. 228.6. Gray to light tan powd. Uses—dye intermediate.

*Monsanto Chem Co, Organic Div, 1700 S 2 St, St Louis 4, Mo

SODIUM CHROMATE

$Na_2CrO_4.10H_2O$. M.W. 342.16. Yellow, efflorescent, hygroscopic cryst. Sp. gr. 1.483. M.P. 19.92°C. Sol. water; sl. sol. alcohol. Uses—mfr. mineral paint pigments; ink, chromates, dichromates, metallic chromium; mordant in dyeing and printing textiles; chemical film on lead and silver; tanning leather. Grades—pure neutral: highest purity; tech.; C.P.

American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St N Y
*Diamond Alkali Co, 300 Cnion Commerce Bldg, Cleveland 14, Ohio
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
E & F King & Co, 640 Pleasant St, Norwood, Mass
McKesson & Robbins, 155 E 44 St, N Y 17
*Mutual Chem Co of America, 270 Madison Ave, N Y 16
*Natural Products Refining Co, 901-910 Garfield Ave, Jersey City 5, N J
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
J U Starkweather Co, 241 Allens Ave, Providence, R I
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

SODIUM CITRATE

$2Na_3C_6H_5O_7.11H_2O$. Colorless cryst. Sp. gr. 1.857 (23.5°C). M.P. loses water at 150°C. Decomp. on further heating. Sol. water; sl. sol. alcohol. Uses—mfr. beverages; as photographic reagent; electroplating reagent; in medicine. Grades—C.P.; pure; commercial: U.S.P.; U.S.P. VII (both granular).

J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
Conray Products, 510 6 Ave, N Y 11
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Mallincrodt Chem 2 & Mallinckrodt Sts, St Louis 7, Mo
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co 630 Flushing Ave, Bklyn 6, N Y
Republic Chem Corp, 94 Beekman St, N Y 38

SODIUM CYANATE

*Edwal Labs, Ringwood, Ill
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J

SODIUM CYANIDE

NaCN. White, deliq. crystalline granules. Sol. water; sl. sol. alcohol. Uses—solvent for previous metals in metallurgy; electroplating solutions, and cleaning metals; heating and treating metals; source of hydrocyanic acid for insecticidal purposes; fumigation; in medicine. Dangerous Poison. Grades—73-75%, 96-98%. Imported rated on equivalent in potassium cyanide as 120%, 125%, 128%; sometimes rated on cyanogen content as 52% equivalent to 96-98% grade.

*Aceto Chem Co, 82 Beaver St, N Y 5
American-British Chem Supplies, 180 Madison Ave, N Y

*Company classifies itself as manufacturer or producer of this product

SODIUM CYANIDE (continued)
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
Amplex Co, 60 Wall St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barada & Page, Guinotta & Mich Ave, Kansas City 1, Mo
Barclay Chem Co, 75 Varick St, N Y
J H Bauminger, 421 7 Ave, N Y
F M Browning Co, 150 Broadway, N Y 38
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
Conn Metalcraft, 442 Elm St, New Haven 2, Conn
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Donald Sales & Mfg Co, 6601 W State St, Milwaukee 13, Wis
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Fallek Products Co, 163 Broadway, N Y 6
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
M W Hardy & Co, 141 Broadway, N Y 6
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis, 13, Minn
Hummel Chem Co, 90 West St, N Y 6
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
L Kruger & Co, 75 West St, N Y
Legion Chem, 70 Wall St, N Y 5
Lewis Co, 232 Canal St, N Y 13
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
*Mallinckrodt Chem, 2 Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
Merchants Chem Co, 60 E 42, St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Ovimpex Inc, 149 Broadway, N Y 6
Chas Page & Co, 80 E 42 St, N Y 17
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Scher Bros, 519 Getty Ave, Clifton, N J
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
George F Smith, 60 E 42 St, N Y 17
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
Terra Chem, 801 2 Ave, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Jos Turner & Co, Ridgefield, N J
United Sterling Corp, 37 E 28 St, N Y

SODIUM DIACETATE (Sodium Acid Acetate)
$NaC_2H_3O_2.CH_3COOH$. White powd. Decomp. above 150°C. Sol. water, liberating 42.25% available acetic acid. Uses—available acetic acid in solid form. Grades—C.P.
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

SODIUM 2,4-DICHLOROPHENOXYACETATE
Chapman Chem Co, 707 Dermon Bldg, Memphis, Tenn
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Stauffer Chem Co, 420 Lexington Ave, N Y 17

SODIUM DICHROMATE see Sodium Bichromate

SODIUM p-DIMETHYL-AMINO-AZOBENZINE-SULFONATE see Methyl Orange

SODIUM DIMETHYL ARSENATE see Sodium Cacodylate

SODIUM DIOXIDE see Sodium Peroxide

SODIUM DIPHENYLAMINE SULFONATE
$(C_6H_5)_2NSO_3Na$. M.W. 271. White powd. Uses—oxidation-reduction indicator in analytical chemistry.
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

SODIUM DIPHENYLBENZIDINE SULFONATE
$[C_6H_4NHC_6(SO_3NA)_2]_3$. M.W. 1356. Light yellow powd. Uses—as an oxidation-reduction indicator in analytical chemistry.
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

SODIUM ETHYL OXALACETATE see Ethyl Sodium Oxalacetate

SODIUM FERRIC PYROPHOSPHATE
$Na_8Fe_4(P_2O_7)_5.XH_2O$. Finely subdivided powd., insol. in water; sol. in hydrochloric acid. Contains 15.5% iron. Uses—food fortification as a mineral supplement.
Barclay Chem Co, 75 Varick St, N Y
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

SODIUM FERRICYANIDE
American-British Chem Supplies, 180 Madison Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Filo Color & Chem Corp, 202 E 44 St, N Y
Chas Page & Co, 50 E 42 St, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Irving M Sobin Co, 74 Granite St, Boston 10, Mass

SODIUM FERROCYANIDE (Yellow Prussiate of Soda)
$Na_4Fe(CN)_6.10H_2O$. M.W. 484.11. Yellow monoclinic cryst. Sol. water; insol. alcohol. Uses—mfr. of blue pigments, ferricyanides, for textile printing.
American-British Chem Supplies, 180 Madison Ave, N Y
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Amplex Co, 60 Wall St, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
*Henry Bower Chem Mfg Co, Gray's Ferry Rd & 27 St, Phila 46, Pa
Chem Service Corp, 82 Beaver St, N Y 5
Fallek Products Co, 163 Broadway, N Y 6
Filo Color & Chem Corp, 202 E 44 St, N Y
Mutchler Chem Co, 258 Broadway, N Y 7
Chas Page & Co, 50 E 42 St, N Y 17

SODIUM FLUOBORATE (Sodium Borofluoride)
$NaBF_4$. M.W. 109.82. White powd. Uses—oxidation inhibitors; grain-refining agents; purifying and wetting fluxes for non-ferrous metals, especially aluminum.
*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6

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Sodium Phosphate, Dibasic
Sodium Phosphate, Tribasic
Sodium Silicate
Sodium Sulfate (Glauber's Salt)
Sodium Sulfate (Salt Cake) Crystal and Anhydrous
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SODIUM FLUOBORATE (continued)
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio

SODIUM FLUOALUMINATE see Cryolite, Synthetic

SODIUM FLUORIDE (Fluorol)
NaF. White powd. or colorless cryst. Sp. gr. 2.766. M.P. 982°C. Sol. water; sl. sol. alcohol. Uses—mfr. enamels, vermin destroyers, rat poisons; as insecticide; germicide; flux; preservative for wood and food; in medicine. Grades—tech. (96-98% powd.); C.P.; pure Poison.

*American Agricultural Chem Co, 50 Church St, N Y 7
American-British Chem Supplies, 180 Madison Ave, N Y
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
*Blockson Chem Co, Patterson Rd, Joliet, Ill
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49 Mass
E I Du Pont de Nemours & Co, Grasselli Chem Dept Wilmington 98, Del
Faesy & Besthoff, 325 Spring St, N Y 13
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
George E Howard, Riverview Manor, Harrisburg, Pa
Howe & French, Mfg Dept, E Weymouth, Mass
Hummel Chem Co, 90 West St, N Y 6
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Lewis Co, 232 Canal St, N Y 13
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Palmer Supplies Co, 8905 Lake Ave, Cleveland 2, Ohio
Philipp Bros Chem, 37 Wall St, N Y
Prior Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Irving M Sowin Co, 74 Granite St, Boston 10, Mass
Henry Sundheimer Co, 103 Park Ave, N Y
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

SODIUM FLUORIDE

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SODIUM FLUOROACETATE

FCH_2COONa. M.W. 100.03. Fine white powd., very poisonous. Sol. water: Uses—rodenticide.

*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo

SODIUM FLUOSILICATE see Sodium Silicofluoride

SODIUM FORMATE

$NaCHO_2$. White deliq. crystalline powd. Sp. gr. 1.919. M.P. 245.5°C. Sol. water; sl. sol. alcohol. Uses—mfr. formic and oxalic acids, intermediates, organic chemicals; mordant in dyeing and printing textiles; reducing agent for chemical purposes; in medicine. Grades—tech.; C.P.

American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Fiber Chem Corp, Box 218, Matawan, N J
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Innis, Speiden & Co, 117 Liberty St, N Y 6
E & F King & Co, 640 Pleasant St, Norwood, Mass
Philipp Bros Chem, 37 Wall St, N Y
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

SODIUM GLUCONATE

$NaC_6H_{11}O_7$. White to yellowish crystalline powd., sol. in water. Uses—foods, pharmaceuticals.

American-British Chem Supplies, 180 Madison Ave, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y

SODIUM GLUTAMATE, Mono

Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Leo Berberich, 198 Broadway, N Y 38
Consumers Products Co, 99 Hudson St, N Y 13
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Gane & Ingram, 43 W 16 St, N Y 11
*Gen Mills, Special Commodities Div, 400 2 Ave S, Minneapolis 1, Minn
*International Minerals & Chem Co, 20 N Wacker Dr, Chicago, Ill
McKesson & Robbins, 155 E 44 St, N Y 17
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
George Uhe Co, 76 9 Ave, N Y 14
O J Weeks Co, 16 Hudson St, N Y 13

SODIUM GLYCEROPHOSPHATE

American-British Chem Supplies, 180 Madison Ave, N Y
American Roland Corp, 16 Hudson St, N Y
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

SODIUM GOLD CYANIDE

$NaAu(CN)_2$. Yellow powd. Sol. water; contains 46% gold min. Uses—gold plating.

*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill
*Linick Chem Co, 29 E Madison St, Chicago, Ill

SODIUM HEXA-m-PHOSPHATE see Sodium m-Phosphate

SODIUM HYDRATE see Soda, Caustic

SODIUM HYDRIDE

NaH. M.W. 24.00. White and brownish-white microcrystalline powd. Uses—organic synthesis.

*Metal Hydrides, 16 Congress St, Beverley, Mass

SODIUM HYDROSULFIDE (Sodium Sulfhydrate)

$NaHS.3H_2O$. M.W. 110.11. Rhombic cryst. M.P. 22°C. Sol. in water and alcohol. The dihydrate ($NaHS.2H_2O$) has a M.W. of 92.10, and properties similar to the trihydrate, but is less stable.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American-British Chem Supplies, 180 Madison Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
*Barium Reduction Corp, Drawer 1, S Charleston 3, W Va
*Chem Products Corp, Cartersville, Ga
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Halby Chem Co, P O Box 366, Wilmington 99, Del
Scher Bros, 519 Getty Ave, Clifton, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

MONSANTO GLYCEROPHOSPHATES

Calcium Glycerophosphate, N. F.

Specifications: White powder; assay (dry basis), 98.0% min.; loss on drying, 12.0% max.; chlorides (as $CaCl_2$), 0.1% max.; sulfates (as $CaSO_4$), 0.68% max.; free phosphates (as P_2O_5), 0.02% max.; conforms to N. F. test for heavy metals.

Ferric Glycerophosphate, N. F.

Specifications: Buff or yellowish-green powder; assay (dry basis), 17.0% Fe min.; moisture, 11.0% max.; chlorides (as $FeCl_3$), 0.1% max.; sulfates (as $Fe_2(SO_4)_3$), 0.2% max.; free phosphates (as P_2O_5), 0.2% max.

Magnesium Glycerophosphate

Specifications: White powder; assay (dry basis), 97.0% min.; moisture, 12.5% max.; chlorides (as $MgCl_2$), 0.10% max.; sulfates (as $MgSO_4$), 0.10% max.; free phosphates (as P_2O_5), 0.2% max.

Manganese Glycerophosphate, N. F.

Specifications: Pinkish-white powder; assay (dry basis), 98.0% min.; moisture, 11.0% max.; chlorides (as $MnCl_2$), 0.15% max.; sulphates (as $MnSO_4$), 0.25% max.; free phosphates (as P_2O_5), 0.20% max.; conforms to N. F. test for heavy metals.

Potassium Glycerophosphate (75% Solution)

Specifications: Clear, colorless or slightly yellowish solution; assay, 61.6-63.2% anhydrous salt; carbonates (as K_2CO_3), 0.5% max.; chlorides (as KCl), 0.1% max.; sulfates (as K_2SO_4), 0.1% max.; free phosphates (as P_2O_5), 0.2% max.; heavy metals, 20 ppm max.

Sodium Glycerophosphate, N. F.

Specifications: White crystals or powder; assay, 68.0-72.0% anhydrous salt (equivalent to 96.4-104.9% hydrated salt); chlorides (as NaCl), 0.05% max.; free phosphates (as P_2O_5), 0.02% max.; conforms to N. F. test for heavy metals; sulfates (as Na_2SO_4), 0.1% max.

Specifications, 75% Solution: Clear, colorless or slightly yellow solution; assay, 50.0-52.0% anhydrous salt; carbonates (as Na_2CO_3), 0.5% max.; chlorides (as NaCl), 0.1% max.; sulfates (as Na_2SO_4), 0.2% max.; free phosphates (as P_2O_5), 0.15% max.; heavy metals, 20 ppm max.

Glycerophosphoric Acid (35% Solution)

Specifications: Clear, colorless liquid; assay, 35.0-36.0%; chlorides (as $CaCl_2$), 0.15% max.; sulfates (as $CaSO_4$), 0.30% max.; calcium (as CaO), 0.35% max.; free phosphates (as P_2O_5), 0.50% max.; heavy metals, 40 ppm max.

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division
St. Louis 4, Missouri

MONSANTO
CHEMICALS—PLASTICS

SERVING INDUSTRY . . . WHICH SERVES MANKIND

*Company classifies itself as manufacturer or producer of this product

Metal Hydrides INCORPORATED

SODIUM HYDRIDE

PROPERTIES

Formula ..... NaH
Appearance ..... White-to-gray free-flowing powder
Molecular Weight 24.005
Melting Point ..... Decomposes reversible above 150°C, rapidly above 400°C, to give hydrogen and molten sodium.

for information WRITE

METAL HYDRIDES INCORPORATED
CONGRESS STREET • BEVERLY, MASS.

"VIRGINIA"
SODIUM HYDRO
DOES IT!

"Virginia" Sodium Hydrosulphite is used for vat color reduction, textile decolorizing and stripping, and in the bleaching of soaps, sugar, oils, and minerals, as well as straw and other fibres. It is a concentrated, free-flowing, uniformly crystalline white powder combining unusual product-stability with high reducing efficiency in solution. In 250-lb. single-trip steel drums.

VIRGINIA SMELTING COMPANY
West Norfolk 12, Va.

FIELD OFFICES:
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VIRGINIA Chemicals

SODIUM HYDROSULFITE

$Na_2S_2O_4.2H_2O$. Colorless, amorp. cryst., which decomp. at red heat. Sol. water. Uses—discharge in dyeing and printing textiles; reducing agent for removing dyes from textiles; bleaching agent and ingredient of vat liquors. Grades—tech.

Alcar Products Co, 154 Nassau St, N Y 38
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
Antara Products Div, 435 Hudson St, N Y 14
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
F M Browning Co, 150 Broadway, N Y 38
Chem Mfg Co, 21 West St, N Y
John A Chew, 60 E 42 St, N Y 17
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Fallek Products Co, 163 Broadway, N Y 6
Farber Products Co, 226 Lafayette St, N Y 12
B G Feinberg, 112 W 44 St, N Y 18
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Hyde & Bates, 17 John St, N Y 38
Kingston Chem Co, 15 William St, N Y 5
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Legion Chem, 70 Wall St, N Y 5
Boto Leopold, Woolworth Bldg, N Y 7
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Mellin Chem, 45 N Broad St, Ridgewood, N J
Merchants Chem Co, 60 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Royce Chem Co, Carlton Ave, Carlton Hill, N J
Shapiro & Novick, 60 Broad St, N Y 4
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Silk City Chem Co, 200 Carlisle Ave, Paterson 1, N J
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
I D Talve Trading Co, 305 Broadway, N Y
Jos Turner & Co, Ridgefield, N J
*Virginia Smelting Co, W Norfolk, Va
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J
Wolien Chem & Supply Co, 126 6 Ave, Paterson, N J

SODIUM HYDROXIDE see Soda Caustic

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SODIUM HYPOCHLORITE

Ammonia • Fluosilicate • Formaldehyde
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Acetic • Muriatic
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SODIUM HYPOCHLORITE (Eau de Labarraque, Eau de Javelle, Javelle Water)

NaOCl. Unstable in air. Stored in solutions. Disagreeable, sweetish odor. Decomp. on heating. Sol. cold water. Uses—mfr. indigo, intermediates, organic chemicals, anthranilic acid; bleaching textiles, paper, pulp, etc.; purifying water in laundries; in medicine. Grades—solutions, 14%, various as to seller.

American Firstoline Corp, 420 Lexington Ave, N Y
Brown Co, 650 Main St, Berlin, N H
Central O B Products Co, 1230 Genessee St, Buffalo, N Y
C B Coburn Co, 63 Market St, Lowell, Mass
Chem Mfg Co, 21 West St, N Y 6
Empire Chem Corp, 21 West St, N Y 6
*Fields Point Mfg Corp, Box 95 Edgewood Sta, Providence 5, R I
*H & W Chem, 182-200 Anderson Ave, Rochester 3, N Y
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
George E Howard, Riverview Manor, Harrisburg, Pa
*J W Jones Co, 135 Hardwood Ave, Caledonia, N Y
George Mann & Co, 251 Fox Point Blvd, Providence, R I
Merchants Chem Co, 60 E 42 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
Monarch Chem Works, 22 & Ave H, Omaha, Neb
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Chas Page & Co, 50 E 42 St, N Y 17
*Pennsylvania Salt Mfg Co, 2901 Taylor Way, Tacoma 1, Wash
Republic Chem Corp, 94 Beekman St, N Y 38
Jos Turner & Co, Ridgefield, N J
*Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y

SODIUM HYPOPHOSPHITE

$NaH_2PO_2.H_2O$. M.W. 106.04. Uses—medicinal.

J T Baker Chem Co, Phillipsburg, N J
Chem Mfg Co, 21 West St, N Y
Conray Products, 510 6 Ave, N Y 11
Fellows Medical Mfg Co, 26 Christopher St, N Y 14
Merchants Chem Co, 60 E 42 St, N Y 17
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Oldbury Electro Chem Co, 19 Rector St, N Y 6

SODIUM HYPOSULFATE

$Na_2S_2O_6.2H_2O$. Large transparent cryst., bitter taste. Sp. gr. 2.175. Uses—reagent.

Philipp Bros Chem, 37 Wall St, N Y

SODIUM HYPOSULFITE (Sodium Thiosulfate, Hypo, Sodium Subsulfite)

$Na_2S_2O_3.5H_2O$. Colorless cryst. Sp. gr. 1.729. M.P. 32-45°C. Decomp. at 220°C. Sol. water, and oil of turpentine. Uses—mfr. synth. dyes, mercury pigments, intermediates, organic chemicals; pickling candle wicks; bleaching paper, ivory, bones, oils, and wool, etc.; extracting silver from ores; fixing agent in photography; chrome tanning leather; assistant in dyeing and printing fabrics; purifying drinking water; electroplating reagent; laboratory reagent; in medicine. Grades—U.S.P.; tech.; pea and regular cryst.; granulated; C.P.; pure.

American Firstoline Corp, 420 Lexington Ave, N Y
Badger Chem Co, 1120 S Barclay St, Milwaukee 4, Wis
John A Chew, 60 E 42 St, N Y 17
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
* E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Philip A Hunt Co, Palisades Park, N J
E & F King & Co, 640 Pleasant St, Norwood, Mass
*Maas Chem Co, 4570 Ardine St, S Gate, Cal
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave Newark 5, N J
Riches-Nelson, 342 Madison Ave, N Y 17
Shepard Chem Corp, 117 Liberty St, N Y 6
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
Spring Chem, 239 E 141 St, N Y 51
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4 Ill

SODIUM IODATE

$NaIO_3$. M.W. 197.02. White cryst. Sol. water, acetone; insol. alcohol. Uses—medicine, disinfectant.

*J T Baker Chem Co, Phillipsburg, N J
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

*Company classifies itself as manufacturer or producer of this product

SODIUM IODIDE

a. NaI. h. $NaI.2H_2O$. White deliq. granules. Sp. gr. a. 5.665; h. 2.448. M.P. a. 664°C. B.P. a. 1300°C. Sol. water and alcohol. Uses—mfr. organic chemicals; iodine solvent; photographic and laboratory reagents; in medicine. Grades—U.S.P.; C.P.; tech.

*J T Baker Chem Co, Phillipsburg, N J
Bendix Chem Corp, 420 Lexington Ave, N Y
*Cadet Chem Corp, 205 Chicago St, Buffalo 5, N Y
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

SODIUM IRON PYROPHOSPHATE

$Na_8Fe_4(P_2O_7)_5 \cdot 6H_2O$. M.W. 1,270.20. Light tan powd. Uses—iron enrichment of flour, cereals, milk amplifiers, food beverages.

*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

SODIUM LACTATE

$NaC_3H_5O_3$. M.W. 112.06. A thick syrup-like liq. Sol. water, alcohol. M.P. 17°C. Uses—in form of 75% as a corrosion inhibiter in alcohol antifreeze.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*American Maize Products Co, 100 E 42 St, N Y 17
J T Baker Chem Co, Phillipsburg, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Herman Meyer Drug Co, 116-23 Jamaica Ave Richmond Hill, N Y
*Sheffield Farms Co, Chemurgic Div, Box 630, Norwich, N Y

SODIUM LAURYL SULFATE

New product which is finding use as a soap substitute. Does not leave a "ring." Employed largely in the textile field.

Aceto Chem Co, 82 Beaver St, N Y 5
Amend Drug & Chem Co, 117-119 E 24 St, N Y
*Bios Labs, 17 W 60 St, N Y 23
City Chem Corp, 132 W 22 St, N Y 11
E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Procter & Gamble Co, Cincinnati 1, Ohio
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Stepan Chem Co, 1353 N Branch St, Chicago 22, Ill
*Warwick Chem Co Div, Wood River Junction, R I

SODIUM LIGNOSULFONATE, NEUTRAL

Tan free-flowing powd. Decomp. at 175°C. Sol. water, glycerine, ethanolamine; sl. sol. methanol, ethanol; insol. petroleum hydrocarbons, benzene. Uses—dispersant and emulsifier for pitch, carbon blacks, anti-oxidants and pigments, acetate dyes and vat colors, in insecticides.

*Marathon Corp, Rothschild, Wis

SODIUM, METAL (Natrium)

Na. At. Wt. 23. Silver-white, solid amorp. Sp. gr. 0.9732 (15°C). M.P. 97.6°C. B.P. 880°C. Decomp. in water. Insol. benzine, benzene, kerosene, naphtha. Uses—mfr. sodium salts, sodium peroxide, sodium cyanide, sodamide, indigo, dyestuffs, synth. perfumes and drugs, silicon, sodium amalgams and alloys, intermediates, organic chemicals; as chemical catalyst; reducing agent; desulfurizing petroleum; as flux in metallurgy of magnesium; laboratory reagent. Grades—tech.

*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Ethyl Corp, 100 Park Ave, N Y 17
*National Distillers Products Co, 120 Broadway, N Y

SODIUM METANILATE

$NaO_3S(C_6H_4)(NH_2)$. Solid. Uses—mfr. intermediates, dyestuffs. Grades—tech. 99%; solution 20%.

*Hilton-Davis Chem Co, 2355 Langdon Farm Rd, Cincinnati 12, Ohio

SODIUM METHYLARSENATE (Arrhenal Disodium Monomethylarsenate)

$Na_2CH_3AsO_3.6H_2O$. M.W. 291.986. M.P. 130-140°C. Uses—medicine.

*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
*Fallek Products Co, 163 Broadway, N Y 6
*Lamex Chem Corp, 25 Broadway, N Y 4

SODIUM METHYLATE

CH_3ONa. M.W. 54.031. Sodium Methylate is an amorp., white, free-flowing powd. easily sol. in methyl and ethyl alcohol. It reacts with the moisture in air to form caustic soda and methyl alcohol. It is sensitive to the oxygen in air. It decomp. on heating to about



SODIUM HYDROSULFITE

Sodium Perborate — Sodium Nitrite

Bleaching Powder — Rongalite C

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Copper Cyanide — Sodium Sulfocyanide

E. I. DU PONT DE NEMOURS & CO. (INC.)
ELECTROCHEMICALS DEPARTMENT
WILMINGTON — DELAWARE

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•

Sodium Sulfide, flake and solid

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Sodium Tetrasulfide, 40% solution

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WRITE FOR GENERAL PRODUCTS LIST — HOOKER CHEMICALS

FOR LISTINGS OF OTHER PRODUCTS SEE AD IN CO. DIRECTORY SECTION

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Supplied in Tank Cars or 1 lb., 2½ lb., 5 lb., 12½ lb. Bricks in Drums

•

Manufactured at Baton Rouge, Louisiana

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ETHYL CORPORATION
NEW YORK 17, N. Y.

*Company classifies itself as manufacturer or producer of this product

SOLVAY CHEMICALS

SODIUM NITRITE

U.S.P.

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ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.

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Soda Ash • Caustic Soda • Caustic Potash • Formaldehyde • Chlorine
Potassium Carbonate • Nytron • Sodium Bicarbonate • Calcium Chloride
Specialty Cleansers • Ammonium Chloride • Methanol • Sodium Nitrite
Ammonium Bicarbonate • Ortho-dichlorobenzene • Monochlorobenzene
Para-dichlorobenzene

SODIUM METHYLATE, continued

300° with the formation of ethylene, Na_2CO_3, C and H. When heated in the presence of air to 100-150°C alcohol is split off and a mixture of sodium carbonate, formate and acetate is formed. At 200°C oxalate is also obtained. Uses—in various condensation reactions such as in the prep. of aceto acetic ester and barbiturates; in the condensation of alkyl carbonates with organic esters and ketones and in pyrimidine condensations.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md

SODIUM MOLYBDATE

$Na_2MoO_4.2H_2O$. White crystalline powd. or colorless leaflets. Sp. gr. 2.590. M.P. 687°C. Sol. water. Uses—mfr. casein glues, paint pigments; as laboratory reagent; in medicine. Grades—tech.; C.P.

*J T Baker Chem Co, Phillipsburg, N J
*North Metal & Chem Co, 638 E Mason Ave, York, Pa
Prior Chem Corp, 420 Lexington Ave, N Y 17
*S W Shattuck Chem Co, 1805 S Bannock St, Denver, Col

SODIUM MONOXIDE

Na_2O. M.W. 62.0. Grayish or white mass. Sublimes and melts at red heat; decomp. by water, alcohol and ether to form the hydroxide. Uses—as a reagent, as a strong base.

*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del

SODIUM NAPHTHENATE

White paste. Uses—mfr. driers; as a detergent.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
National Aniline Div, 40 Rector St, N Y 6
Chas Page & Co, 50 E 42 St, N Y 17
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill

SODIUM NAPHTHIONATE (a-Sodium Naphthylamine Sulfonate)

$NaC_{10}H_6NH_2SO_3$. Colorless cryst. Sol. water. Uses—mfr. dyestuffs; detecting nitrous acid. Grades—tech. (paste, 99% cryst.).

*Ciba Co, 627 Greenwich St, N Y 14
Fallek Products Co, 163 Broadway, N Y 6

a-SODIUM NAPHTHYLAMINE SULFONATE see Sodium Naphthionate

SODIUM NITRATE (Chile Saltpetre, Cubic Nitre, Nitratine, Soda Nitre Saliter)

$NaNO_3$. M.W. 85.01. Colorless, odorless, hygroscopic cryst. Sp. gr. 2.257. M.P. 308°C. Decomp. on further heating. Sol. water, glycerine; sl .sol. alcohol. Uses—mfr. sulfuric and nitric acids, sodium salts, dyestuffs, intermediates, pharmaceuticals, potassium nitrate, dynamites, military explosives and fuses, glass, pyrotechnic compositions, fertilizers, leather dressings, red lead and paint pigments, rayon; general oxidizing agent; as fertilizer; food preservative; pickling meats; enhancing burning qualities of tobacco; metallurgical flux; in medicine. Grades—U.S.P., granular, sticks, powd.; crude, 95%, double, refined, recrystallized; C.P.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
*Chilean Nitrate Sales Corp, 120 Broadway, N Y 5
C B Coburn Co, 63 Market St, Lowell, Mass
Croton Chem Corp, 114 Liberty St, N Y 6
Davies Nitrate Co, 114 Liberty St, N Y
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Great Lakes Chem Co, 2525 S 50 Ave, Chicago 50, Ill
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Hooper Chem Corp, Box 313, Rutherford, N J
Kipfer Chem Co, P O Box 770, Harlingen, Tex
*H Kohnstamm & Co, 83 Park Pl, N Y 7
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
Merchants Chem Co, 60 E 42 St, N Y 17
National Oil & Supply Co, 173 Freilinghuysen Ave, Newark 5, N J
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17

SODIUM NITRATE, continued

Sessions-Gifford Co, 255 Allens Ave, Providence, R I
J U Starkweather Co, 241 Allens Ave, Providence, R I
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

SODIUM NITRITE (Diazotizing Salts)

$NaNO_2$. Sl. yellowish or white cryst. Sp. gr. 2.167. M.P. 271°C. Decomp. on further heating. Sol. water; sl. sol. alcohol, ether. Uses—mfr. azo dyestuffs, nitric oxide; dyeing textiles by diazotization; reagent in making intermediates, organic chemicals, pharmaceuticals; laboratory and photographic reagent; pickling meats; in medicine. Grades—tech.; recrystallized; C.P.; U.S.P.; sticks, cryst.; powd.

American-British Chem Supplies, 180 Madison Ave, N Y
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
Continental Commodities Corp, 230 Park Ave, N Y 17
Croton Chem Corp, 114 Liberty St, N Y 6
*Davies Nitrate Co, 114 Liberty St, N Y
De Bear Inc, 636 11 Ave, N Y 19
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E I Du Pont de Nemours & Co, Explosives Dept, Chem & Misc Sales Section & Grasselli Chem Dept, Wilmington 98, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Faesy & Besthoff, 325 Spring St, N Y 13
Failek Products Co, 163 Broadway, N Y 6
Farber Products Co, 226 Lafayette St, N Y 12
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
M W Hardy & Co, 141 Broadway, N Y 6
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Hummel Chem Co, 90 West St, N Y 6
Innis, Speiden & Co, 117 Liberty St, N Y 6
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Legion Chem, 70 Wall St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Manufacturers Chem Co, 527 Fifth Ave, N Y 17
Mellin Chem, 45 N Broad St, Ridgewood, N J
Merchants Chem Co, 60 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Freilinghuysen Ave, Newark 5, N J
Chas Page & Co, 50 E 42 St, N Y 17
Prior Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Scher Bros, 519 Getty Ave, Clifton, N J
Schmitz-Schoenewaldt-Turner Co, 30 Vesey St, N Y 7
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Shapiro & Novick, 60 Broad St, N Y 4
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
J U Starkweather Co, 241 Allens Ave, Providence, R I
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Jos Turner & Co, Ridgefield, N J
United Sterling Corp, 37 E 28 St, N Y
Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Wollen Chem & Supply Co, 126 6 Ave, Paterson, N J

SODIUM NUCLEINATE

Conray Products, 510 6 Ave, N Y 11
*Fallek Products Co, 163 Broadway, N Y 6
*Polychem Co, 494 Hunts Point Ave, N Y 59
*Schwarz Labs, 202 E 44 St, N Y 17
*Solvay Sales Div, 40 Rector St, N Y 6
*Standard Brands, 595 Madison Ave, N Y 22
Sterone Corp, 250 W 57 St, N Y 19

SODIUM OLEATE (Eunatrol)

$NaC_{18}H_{33}O_2$. Yellow, amorp. granules. M.P. 235°C. Sol. water, alcohol. Uses—waterproofing textiles, etc.

American Roland Corp, 16 Hudson St, N Y
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
Welch, Holme & Clark Co, 439 West St, N Y 14
*Witco Chem Co, 295 Madison Ave, N Y 17

SODIUM OXALATE

$Na_2C_2O_4$. White, crystalline powd. Sol. water. Uses—mfr. pyrotechnic compositions; textile finishing; tanning and finishing leather; laboratory reagnt. Grades—tech.; U.S.P.; C.P.

*J T Baker Chem Co, Phillipsburg, N J
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Hummel Chem Co, 90 West St, N Y 6
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

INDUSTRIAL CHEMICALS

Cable Address:
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SODIUM PERBORATE
COPPER SULPHATE
ZINC OXIDE
French Process All Grades

Philipp Brothers Chemicals, Inc.
37 WALL STREET, NEW YORK 5, N. Y.
PORTLAND, CONN. PHILADELPHIA BOSTON PROVIDENCE BALTIMORE

SODIUM PENTACHLOROPHENATE

Brownish-gray powd., non-volatile at ordinary temps. Practically odorless. Non-hygroscopic under ordinary conditions. Uses—mfr. of termite-resistant cellulose insulating board and for control of microbiological activity in paper, paperboard, leather, adhesives, latex and cold water paints; for control of sap stain in green lumber; and for control of slime and algae in water systems where the water is not used for drinking or bathing.

Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Dow Chem Co, Midland, Mich
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

SODIUM PENTOBARBITAL (Soluble Pentobarbital)

$C_{11}H_{17}N_2O_3Na$. M.W. 248.26. White cryst. granules or powd. Sol. water, alcohol; insol. ether. Uses—hypnotic, sedative.

American Roland Corp, 16 Hudson St, N Y
J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
Benzol Products Co, 237 South St, Newark 25, N J
*Edward S Burke, 65 Pine St, N Y
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
*Desmo Chem Corp, 565 5 Ave, N Y 17
Fallek Products Co, 163 Broadway, N Y 6
Fellows Medical Mfg Co, 26 Christopher St, N Y 14
*Gane's Chem Works, 677 5 Ave, N Y 22
*Gane & Ingram, 43 W 16 St, N Y 11
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Lack Chem Co, 19 Park Pl, N Y 7
Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Sumner Chem Co, 6 E 45 St, N Y 17

SODIUM PERBORATE (Perborin, Perborax, Peroxydol)

$NaBO_3 4H_2O$. White granules or crystalline powd. Decomp. on exposure to heat or moisture. Sol. alkalies, glycerol, water. Uses— mfr. hydrogen peroxide, detergent soaps, dental compositions, hair bleaches, toilet preps., cosmetics; laboratory and laundry reagent; general oxidizing agent for chemical purposes; bleaching textiles, fats, oils, bones, gelatin, straw, ivory, sponges, bristles, resins, waxes, etc.; detergent for treating textiles; dyeing and printing textiles; as deodorant, germicide, antiseptic and bactericide; general bleaching agent; electroplating reagent; recover sol. starch; to gloss starch for ironing; in medicine. Grades—tech.; U.S.P.; C.P.

J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Chem Mfg Co, 21 West St, N Y 6
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
C B Coburn Co, 83 Market St, Lowell, Mass
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Merchants Chem Co, 60 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Scher Bros, 519 Getty Ave, Clifton, N J
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Shepard Chem Corp, 117 Liberty St, N Y 6
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
J U Starkweather Co, 241 Allens Ave, Providence, R I
Terra Chem, 801 2 Ave, N Y 17
George Uhe Co, 76 9 Ave, N Y 14
Wollen Chem & Supply Co, 126 6 Ave, Paterson, N J

SODIUM PERBORATE MONOHYDRATE

Chem Mfg Co, 21 West St, N Y 6
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

SODIUM PERCHLORATE

$NaClO_4 \cdot H_2O$. M.W. 140.47. Clear crystalline material. Uses—analytical determination of potassium. L. Decomp. 130°C; sol. water.

American Firstoline Corp, 420 Lexington Ave, N Y
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

MONSANTO
SANTOBRITE*

(Sodium Pentachlorophenate Technical)

Standard Forms: Powder; 1-oz. briquettes; pellets.

Characteristics: Light-tan color; nonvolatile; comparatively odorless; stable under ordinary atmospheric conditions when stored in a dry place. Soluble in various organic polar solvents. Stable, relatively unreactive; but partial conversion to insoluble pentachlorophenol occurs at pH's below 6.8, and insoluble salts are formed by reaction with ions of copper, lead, mercury, zinc, iron and calcium. Noncorrosive to metals. Available as substantially neutral material containing from 0.5 to 0.9% free alkali and as a more alkaline product containing 3-4% alkali.

General Information: A water-soluble industrial preservative, fungicide, algaecide, and herbicide. Used for manufacture of termite-resistant cellulose insulating board and for control of microbiological activity in paper, paperboard, leather, adhesives, latex and cold-water paints; for control of sap stain in green lumber; for control of slime and algae in water systems where the water is not used for drinking or bathing; and in the manufacture of herbicide formulations.

PENTA

(Santophen* 20, Monsanto's Pentachlorophenol Technical)

Characteristics: Dark-grayish flakes; chlorophenolic odor; crystallizing point 174.0° C. min. Stable; relatively nonhygroscopic; insoluble in water but soluble in most organic solvents, fats, waxes, resins and asphalts. Boiling point is 293° C. at 760 m.m. Relatively inert chemically, but reacts with strong alkalis to form water-soluble salts.

General Information: A water-insoluble industrial preservative and herbicide. Used as an insect- and decay-control agent for wood, cellulosic products, textiles, and as an active ingredient in herbicide formulations.

Application Information: Wood-preservative formulations of Santophen 20—Penta—can be applied by any of the accepted methods—pressure, soak, dip, brush or spray.

*Reg. U. S. Pat. Off.

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division,
St. Louis 4, Missouri

MONSANTO
CHEMICALS – PLASTICS

SERVING INDUSTRY . . . WHICH SERVES MANKIND

*Company classifies itself as manufacturer or producer of this product

MONSANTO
SODIUM PHOSPHATES

Mono Sodium Phosphate
Di Sodium Phosphate — Tri Sodium Phosphate
Sodium Tripoly Phosphate
Tetra Sodium Pyrophosphate — Acid Sodium Pyrophosphate
Sodium Ferric Pyrophosphate

MONSANTO CHEMICAL COMPANY
Phosphate Division
St. Louis 4, Mo.

SERVING INDUSTRY . . . WHICH SERVES MANKIND

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CHEMICALS – PLASTICS

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SODIUM BORATE PERHYDRATE

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SODIUM HEXAMETAPHOSPHATE
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Sodium Dithionate — Magnesium Fluoride
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Nickel Benzenesulfonate — Sodium Sulfantimoniate

CITY CHEMICAL CORP.
132 W. 22nd St. New York 11, N.Y. WA 9-2723

SODIUM m-PERIODATE

$NaIO_4 \cdot 3H_2O$. M.W. 267.97. White crystalline material. Uses—colorimetric determination of manganese; oxidant for certain types of organic material. L. Decomp. on heating; sol. water.

*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

SODIUM p-PERIODATE

*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

SODIUM PERMANGANATE

$NaMnO_4 \cdot 3H_2O$. M.W. 195.97. Purple or reddish-black cryst. which decomp. when heated. Sol. alcohol, ether. Uses—as a reagent and oxidizing agent; in medicine.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
Barclay Chem Co, 75 Varick St, N Y
*Carus Chem Co, Box 364, La Salle, Ill

SODIUM PEROXIDE (Oxone, Sodium Binoxide, Sodium Dioxide, Sodium Superoxide)

Na_2O_2. Yellowish-white, amorp. powd. Sp. gr. 2.805. Decomp. on heating. Sol. cold water. Uses—mfr. peroxides, organic chemicals, intermediates, detersive compositions, medicinal soaps, pharmaceutical derivatives; dyeing and printing textiles; laboratory reagent; general disinfectant; as deodorant, germicide, antiseptic, oxidizing and bleaching agent for various purposes; purifying air in hospitals; disinfecting drinking water; generating oxygen various purposes—in submarines, diving bells, etc.; bleaching oils, fats, textiles, feathers, hair, bones, ivory, sponges, bristles, straw, etc.; in medicine. Grades—C.P.; tech.; dental.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
J T Baker Chem Co, Phillipsburg, N J
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Philipp Bros Chem, 37 Wall St, N Y

SODIUM PERSULFATE

American Firstoline Corp, 420 Lexington Ave, N Y
Jos Turner & Co, Ridgefield, N J

SODIUM PHENATE (Sodium Carbolate)

NaC_6H_5O. M.W. 116.0. Colorless hygroscopic prod. Sol. water. Uses—as an intermediate; as an antiseptic.

City Chem Corp, 132 W 22 St, N Y 11
*Fine Organics, 211 E 19 St, N Y 3

SODIUM PHENOL SULFONATE (Sodium Sulfocarbolate)

$HOC_6H_4SO_3Na.2H_2O$. M.W. 242.13. White, odorless cryst.; sl. bitter taste; efflorescent. Uses—medicine.

*Dow Chem Co, Midland, Mich
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

SODIUM PHENYL ACETATE

$C_6H_5CH_2COONa$. M.W. 158.1. Colorless to light brown liq. Uses—precursor in the mfr. of penicillin.

*American-British Chem Supplies, 180 Madison Ave, N Y
Benzol Products Co, 237 South St, Newark 25, N J
*Edward S Burke, 65 Pine St, N Y
*Gane & Ingram, 43 W 16 St, N Y 11
*Kay-Fries Chem, 180 Madison Ave, N Y 16
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Trubek Labs, State Hway Rt 17, E Rutherford, N J

SODIUM m-PHENYLPHENATE

Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio

SODIUM o-PHENYLPHENATE

$o\text{—}C_6H_5.C_6H_4ONa.4H_2O$. M.W. 264.5. White or light buff flakes or powd. with a sl. soapy odor. Sol. water, alcohol, acetone; insol. most organic solvents. Uses—as a germicide; fungicide.

*Dow Chem Co, Midland, Mich

SODIUM m-PHOSPHATE (Sodium Hexa-m-Phosphate, Graham's Salt)

$(NaPO_3)_6$. M.W. 611.82. Glassy plates, flakes or agglomerates. Very sol. in water; reverts slowly to o-Phosphate in cold water solutions, more rapidly at elevated temp. or in acid or alkaline solutions. Uses—water softening, leather tanning, mfr. of process cheese, oil well drilling muds.

*Blockson Chem Co, Patterson Rd, Joliet, Ill
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Wollen Chem & Supply Co, 126 6 Ave, Paterson, N J

*Company classifies itself as manufacturer or producer of this product

SODIUM PHOSPHATE, DIBASIC see Sodium Phosphate, Di-Sodium

SODIUM PHOSPHATE, Di-SODIUM (Sodium Phosphate, Dibasic, Disodium o-Phosphate, Hydrodisodium Phosphate)

$Na_2HPO_4.12H_2O$. Colorless, transparent cryst. Sp. gr. 1.5235. M.P. 35°C. Loses water at 100°C. Sol. water. Uses—mfr. dyestuffs, pharaceuticals, baking powd., paint pigments; as chemical and laboratory reagent; discharge in pottery and porcelain glazes; in galvanoplastic work; soldering enamels; dyeing and printing textiles; fireproofing textiles, wood, paper, etc.; tanning leather; weighting silk; in medicine. Grades—U.S.P.; tech.; pure granular, twice purified; cryst. or dried.

S L Abbot Co, 135 King St, San Francisco 7, Cal
*American Agricultural Chem Co, 50 Church St, N Y 7
American Firstoline Corp, 420 Lexington Ave, N Y
*Badger Chem Co, 1120 S Barclay St, Milwaukee 4, Wis
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*Blockson Chem Co, Patterson Rd, Joliet, Ill
John A Chew, 60 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
*Coignet Chem Co, 445 Park Ave, N Y 22
Continental Commodities Corp, 230 Park Ave, N Y 17
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Duff Chem Co, 342 Madison Ave, N Y 17
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
M W Hardy & Co, 141 Broadway, N Y 6
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
George E Howard, Riverview Manor, Harrisburg, Pa
Hughes Chem Supply Co, 1411 Fleet St, Baltimore, Md
Innis, Speiden & Co, 117 Liberty St, N Y 6
International Selling Corp, 70 Pine St, N Y 5
*Maas Chem Co, 4570 Ardine St, S Gate, Cal
Merchants Chem Co, 60 E 42 St, N Y 17
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
Philipp Bros Chem, 37 Wall St, N Y
Riches-Nelson, 342 Madison Ave, N Y 17
Rodgers Chem Co, 237 4 Ave, Pittsburgh, Pa
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Starr Mfg & Chem Co, 607 S Shawnee St, Lima, Ohio
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Jos Turner & Co, Ridgefield, N J
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

SODIUM PHOSPHATE, HEMIBASIC

$NaH5(PO_4)_2$. Hygroscopic strongly acid salt, sol. in water. Uses—treating silage, contact tinning of brass, boiler water treatment.

Barclay Chem Co, 75 Varick St, N Y
John A Chew, 60 E 42 St, N Y 17
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Western Chem Co, Box 703, Altoona, Pa

SODIUM PHOSPHATE, MONOBASIC see Sodium Phosphate, Mono-Sodium

SODIUM PHOSPHATE, MONO-SODIUM (Tasteless Salt, Sodium Phosphate, Monobasic, Sodium Acid Phosphate, Monosodium o-Phosphate, Sodium Biphosphate)

NaH_2HO_4. Anhydrous NaH_2PO_4. Colorless cryst. Sp. gr. 2.040. Loses water at 200°C. Sol. water. Uses—mfr. baking powd.; as laboratory reagent; electroplating reagent; in medicine. Grades—tech.; recrystallized; pure: C.P.: U.S.P.

S L Abbot Co, 135 King St, San Francisco 7, Cal
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*Blockson Chem Co, Paterson Rd, Joliet, Ill
John A Chew, 60 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
Duff Chem Co, 342 Madison Ave, N Y 17
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Maas Chem Co, 4570 Ardine St, S Gate, Cal
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17

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AA QUALITY Phosphates

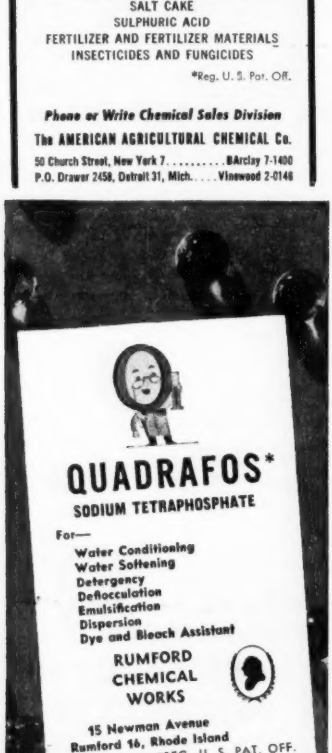
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POTASSIUM FLUOSILICATE
SODIUM FLUOSILICATE
ZINC FLUOSILICATE
FLUOSILICATE MIXTURE
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ANIMAL BONE CHARCOAL
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BONE ASH
BONE OIL
PRECIPITATED BONE PHOSPHATE
*KEYSTONE AMMONIUM CARBONATE U.S.P.
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SODIUM PHOSPHATE, MONOSODIUM continued

Merchants Chem Co, 60 E 42 St, N Y 17
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
Riches-Nelson, 342 Madison Ave, N Y 17
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Starr Mfg & Chem Co, 607 S Shawnee St, Lima, Ohio
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Jos Turner & Co, Ridgefield, N J
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

SODIUM PHOSPHATE, TETRA

$Na_6P_4O_{13}$. Hygroscopic, glassy plates, beads or powd. Very sol. water. Uses—industrial and municipal water treatment; dishwashing and detergent compounds; leather tanning; oil well drilling muds; purification of clay.

American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Badger Chem Co, 1120 S Barclay St, Milwaukee 4, Wis
Barclay Chem Co, 75 Varick St, N Y
*Blockson Chem Co, Patterson Rd, Joliet, Ill
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
*Coignet Chem Co, 445 Park Ave, N Y 22
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
Gowynne Chem Corp, 420 Lexington Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
George Mann & Co, 251 Fox Point Blvd, Providence, R I
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
Philipp Bros Chem, 37 Wall St, N Y
Riches-Nelson, 342 Madison Ave, N Y 17
*Rumford Chem Works, Rumford, R I
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
J U Starkweather Co, 241 Allens Ave, Providence, R I
Welch, Holme & Clark Co, 439 West St, N Y 14
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
Wollen Chem & Supply Co, 126 6 Ave, Paterson, N J

SODIUM PHOSPHATE TRIBASIC see Sodium Phosphate, Tri-Sodium

SODIUM PHOSPHATE, TRI-SODIUM (Sodium Phosphate Tribasic, Trisodium o-Phosphate, Sorensen's Phosphate)

$Na_3PO_4.12H_2O$. Colorless cryst. Sp. gr. 1.644. M.P. 73.4°C. Sol. water. Uses—mfr. water softeners, boiler and cleaning compounds, photographic developers; as laundry reagent; tanning leather; clarifying sugar and liquors. Grades—tech.; C.P.; highest purity.

S L Abbot Co, 135 King St, San Francisco 7, Cal
*American Agricultural Chem Co, 50 Church St, N Y 7
American Firstoline Corp, 420 Lexington Ave, N Y
Atlantic Chem & Equipment Co, 874 Ashby St N W, Atlanta 3, Ga
Badger Chem Co, 1120 S Barclay St, Milwaukee 4, Wis
Barclay Chem Co, 75 Varick St, N Y
*Blockson Chem Co, Patterson Rd, Joliet, Ill
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
F M Browning Co, 150 Broadway, N Y 38
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
*Coignet Chem Co, 445 Park Ave, N Y 22
Commercial Chem, 614 Ellicott Sq, Buffalo 3, N Y
Continental Commodities Corp, 230 Park Ave, N Y 17
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Duff Chem Co, 342 Madison Ave, N Y 17
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Empire Chem Corp, 21 West St, N Y 6
Faesy & Besthoff, 325 Spring St, N Y 13
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*H & W Chem, 182-200 Anderson Ave, Rochester 3, N Y
M W Hardy & Co, 141 Broadway, N Y 6
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
N H Heyman, 244 E 91 St, N Y 28
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
George E Howard, Riverview Manor, Harrisburg, Pa
Howe & French, Mfg Dept, E Weymouth, Mass
Hughes Chem Supply Co, 1411 Fleet St, Baltimore, Md
Ideal Chem & Supply Co, P O Box 5597, Memphis 4, Tenn
Innis, Speiden & Co, 117 Liberty St, N Y 6
International Selling Corp, 70 Pine St, N Y 5
E & F King & Co, 640 Pleasant St, Norwood, Mass
Legion Chem, 70 Wall St, N Y 5
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
*Maas Chem Co, 4570 Ardine St, S Gate, Cal
George Mann & Co, 251 Fox Point Blvd, Providence, R I
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Oil & Chem Products, 295 Madison Ave, N Y 17
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
Palmer Supplies Co, 8905 Lake Ave, Cleveland 2, Ohio
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Robinson Bros Chem, 255 Randolph St, Bklyn 6, N Y
Rodgers Chem Co, 237 4 Ave, Pittsburgh, Pa
Rose Chem Co, 296 Pearl St, N Y 38
Scher Bros, 519 Getty Ave, Clifton, N J
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
J U Starkweather Co, 241 Allens Ave, Providence, R I
Starr Mfg & Chem Co, 607 S Shawnee St, Lima, Ohio
Ben P Steele Co, 343 Madison Ave, N Y 17
Superior Products Co, 148-148A Pearl St, Somerville, Mass
I D Taive Trading Co, 305 Broadway, N Y
*F H Taussig Chem, 175 W 76 St, N Y 23
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Jos Turner & Co, Ridgefield, N J
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
O J Weeks Co, 16 Hudson St, N Y 13
Welch, Holme & Clark Co, 439 West St, N Y 14
*Western Chem Co, Box 703, Altoona, Pa
Witco Chem Co, 295 Madison Ave, N Y 17

SODIUM PICRAMATE

$C_6H_2O_7N_3Na$. Colorless cryst. Uses—mfr. intermediates, organic chemicals.

*E I Du Pont de Nemours & Co, Explosives Dept, Chem & Misc Sales Section, Wilmington 98, Del

SODIUM POLYSULFIDE

$(Na_2S)x$. M.W. (78.06)x. Uses—in mfr. of sulfur colors and dyes, pharmaceuticals, insecticides; in production of rubber substitutes and petroleum additives; in soaking of hides.

*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

SODIUM PROPIONATE

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*E I Du Pont de Nemours & Co, Polychem Dept, Wilmington 98, Del
*Stauffer Chem Co, 420 Lexington Ave, N Y 17

SODIUM PYROPHOSPHATE PEROXIDE

$Na_4P_2O_7.2H_2O_2$. M.W. 334. White powd. Sol. water. Uses—metal cleanser, denture cleaner, detergent and bleaching agent.

*Becco Sales Corp, Station B, Buffalo 7, N Y
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

SODIUM PYROPHOSPHATE TETRA (Pyro)

$Na_4P_2O_7$. M.W. 266. Fine white powdered or granular material. Stable in cold water solutions, cold alkaline solutions; acidification causes breakdown. Uses—soap builder; water treatment; cleaning and detergent compounds; purification of clay; eletroplating; bleaching of straw; ink eradicator; stabilizer for peroxide solutions.

S L Abbot Co, 135 King St, San Francisco 7, Cal
American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
*Blockson Chem Co, Patterson Rd, Joliet, Ill
John A Chew, 60 E 42 St, N Y 17
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich

*Company classifies itself as manufacturer or producer of this product

SODIUM PYROPHOSPHATE TETRA, continued

*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
Hughes Chem Supply Co, 1411 Fleet St, Baltimore, Md
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
*Maas Chem Co, 4570 Ardine St, S Gate, Cal
McKesson & Robbins, 155 E 44 St, N Y 17
Mellin Chem, 45 N Broad St, Ridgewood, N J
Merchants Chem Co, 60 E 42 St, N Y 17
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Philipp Bros Chem, 37 Wall St, N Y
Riches-Nelson, 342 Madison Ave, N Y 17
Scher Bros, 519 Getty Ave, Clifton, N J
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Witco Chem Co, 295 Madison Ave, N Y 17

SODIUM RESINATE

*Crystal Soap & Chem Co, 6308 State Rd, Phila 35, Pa
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del

SODIUM RHODANATE see Sodium Sulfocyanide

SODIUM RHODANIDE see Sodium Sulfocyanide

SODIUM RICINOLEATE

$C_{17}H_{33}COONa$. White paste. Uses—mfr. special soaps; as an emulsifying agent.

*Baker Castor Oil Co, 120 Broadway, N Y 5
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

SODIUM SALICYLATE

$NaC_7H_5O_3$. White crystalline scales or powd., sweetish saline taste. Sol. water. Recrystallized for purification. Uses—in organic synthesis and medicine. Grades—U.S.P.; tech.: U.S.P. from oil wintergreen.

American-British Chem Supplies, 180 Madison Ave, N Y
J T Baker Chem Co, Phillipsburg, N J
Bendix Chem Corp, 420 Lexington Ave, N Y
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
Conray Products, 510 6 Ave, N Y 11
*Dow Chem Co, Midland, Mich
Fallek Products Co, 163 Broadway, N Y 6
Gaillard Schlesinger Chem Co, 92 Liberty St, N Y
*Heyden Chem Corp, 390-300 River Dr, Garfield, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
George Uhe Co, 76 9 Ave, N Y 14

SODIUM SELENITE

Amend Drug & Chem Co, 117-119 E 24 St, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J

SODIUM SESQUICARBONATE

The true Sesquicarbonate of Soda, $Na_2CO_3.NaHCO_3.2H_2O$. White, needle-like cryst., uniform composition, free-flowing, no caking, completely sol. in water. Uses—laundry, textile, tanning, silk degumming, bath cryst., cream neutralization, general cleaning.

S L Abbot Co, 135 King St, San Francisco 7, Cal
Barclay Chem Co, 75 Varick St, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
Chem Mfg Co, 21 West St, N Y 6
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Legion Chem, 70 Wall St, N Y 5
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17

SOLVAY CHEMICALS

SODIUM SESQUICARBONATE
(Snowflake* Crystals)
*Trade Mark Reg. U. S. Pat. Off.

SOLVAY SALES DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.

BRANCH SALES OFFICES
Boston • Charlotte • Chicago • Cincinnati • Cleveland • Detroit
Houston • New Orleans • New York • Philadelphia • Pittsburgh
St. Louis • Syracuse

Soda Ash • Caustic Soda • Caustic Potash • Formaldehyde • Chlorine
Potassium Carbonate • Nytrun • Sodium Bicarbonate • Calcium Chloride
Specialty Cleansers • Ammonium Chloride • Methanol • Sodium Nitrite
Ammonium Bicarbonate • Ortho-dichlorobenzene • Monochlorobenzene
Para-dichlorobenzene

SODIUM SESQUICARBONATE, continued

Mutchler Chem Co, 258 Broadway, N Y 7
Riches-Nelson, 342 Madison Ave, N Y 17
Scher Bros, 519 Getty Ave, Clifton, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Solvay Sales Div, 40 Rector St, N Y 6
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Welch, Holme & Clark Co, 439 West St, N Y 14
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

SODIUM SESQUISILICATE

$Na_2SiO_4.5H_2O$. Approx. 36% Na_2O, 24% SiO_2. White granular free-flowing powd. Completely sol. in water. M.P. 90-95°C. Produces pH of 11.6 at a concentration of .1% by wt. Uses—heavy duty cleaning, metal, laundries, ingredient in specially fabricated cleaning compounds.

American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
*Cowles Chem Co, 7016 Euclid Ave, Cleveland 3, Ohio
Innis, Speiden & Co, 117 Liberty St, N Y 6
Merchants Products Corp, Margaret & Pearce Sts, Phila 37, Pa
*Philadelphia Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
H N Richards Co, 1475 Prospect St, Trenton 8, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
Welch, Holme & Clark Co, 439 West St, N Y 14
Wollen Chem & Supply Co, 126 6 Ave, Paterson, N J

SODIUM SILICATE (Water Glass, Soluble Glass, Liquid Glass)

$3Na_2O.2SiO_2$ to $Na_2O.3.9SiO_2$. (a) Anhydrous glass in lump or powd. form requiring special treatment for solution in water. (b) Corresponding liq. from 33° Baume, 69° Baume, water-white and cloudy (c) Hydrated powd. quickly sol. in water. M.P. (liquidus temp.) 800 to 1088°C except 1100° for Na_2O, $3.9SiO_2$. Uses—mfr. insol. silicates, silica gel, boiler compounds, adhesives preps., paperboard products, corrugated paper, fiberboard products, wallboard, asbestos products, veneer products, flooring, laying parquet flooring, stainproofing lumber, greaseproofing, paper, sizing and coating paper, testing and sizing barrels, soaps, detergents, cleaners, boiling-off cottons, weighting silks, peroxide bleaching process, bleaching jute, fireproofing textiles and curtains.

SODIUM SILICATE, continued

resist in dyeing and printing fabrics, purifying oils and fats, refining petroleum, binders for various processes, abrasive wheels, stove, furnace, china pipe, acidproof, glass cements; glazing enamels; digester and acid concentrator linings; lining Bessemer converters; preservative coatings for cement and concrete; preserving eggs; tanning leather; cold water paint; waterproofing walls; thickener in ink. Grades—powd.; solution; waterwhite, also various Baumes cloudy silicate.

S L Abbot Co, 135 King St, San Francisco, Cal
Aetna Color & Chem Co, 60 Linden Ave, E Paterson, N J
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
Arabol Mfg Co, 110 E 42 St, N Y 17
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
F M Browning Co, 150 Broadway, N Y 38
C B Coburn Co, 63 Market St, Lowell, Mass
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Faesy & Besthoff, 325 Spring St, N Y 13
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Abner Hood Chem Co, 507 N Montgall Ave, Kansas City 1, Mo
Howe & French, Mfg Dept, E Weymouth, Mass
E & F King & Co, 640 Pleasant St, Norwood, Mass
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
Marlowe-Van Loan Corp, Box 1851, High Point, N C
McKesson & Robbins, 155 E 44 St, N Y 17
Mellin Chem, 45 N Broad St, Ridgewood, N J
Merchants Chem Co, 60 E 42 St, N Y 17
Merchants Products Corp, Margaret & Pearce Sts, Phila 37, Pa

Cowles DETERGENT SILICATES

DRYSEQ*
Sodium Sesquisilicate — technically anhydrous equivalent.
STOCKS IN PRINCIPAL CITIES
*Reg. U S Pat Off

MANUFACTURED BY
COWLES CHEMICAL COMPANY
7016 EUCLID AVENUE • CLEVELAND 3, OHIO

*Company classifies itself as manufacturer or producer of this product

Cowles DETERGENT SILICATES

DRYMET*
Sodium Metasilicate—Anhydrous

CRYSTAMET*
Sodium Metasilicate—Pentahydrate

STOCKS IN PRINCIPAL CITIES

*Reg. U S Pat Off

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COWLES CHEMICAL COMPANY
7016 EUCLID AVENUE • CLEVELAND 3, OHIO

SODIUM SILICO FLUORIDE

•

Mfrs. Sales Agents
HENRY SUNDHEIMER CO.
103 Park Ave. New York 17, N. Y.

Telephones:

MUrray Hill 5-4214; 4215

SODIUM SILICATE, continued

Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
H N Richards Co, 1475 Prospect St, Trenton 8, N J
Robinson Bros Chem, 255 Randolph St, Bklyn 6, N Y
Rodgers Chem Co, 237 4 Ave, Pittsburgh, Pa
Scher Bros, 519 Getty Ave, Clifton, N J
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Jos Turner & Co, Ridgefield, N J
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Washine-National Sands, 3702 Northern Blvd, L I C 1, N Y
Welch, Holme & Clark Co, 439 West St, N Y 14
Wollen Chem & Supply Co, 126 6 Ave, Paterson, N J
Zehrung Chem Co, 2201 N W 20 Ave, Portland 9, Ore

SODIUM m-SILICATE

$Na_2Si0.5H_20$ (29.2% Na_20. 28.7% $Si0_2$. M.P. 71.8°C) and anhydrous Na_2 $Si0_2$. (51.7 Na_20, 46.2/ $Si0_2$. M.P. 1088°C). Anhydrous white in color; hydrates are white granular or cryst. Hydrates very sol. in water; anhydrous slowly sol. in water. Uses—as a cleansing agent; as a detergent in kier boiling of cotton goods, de-inking paper, in laundries.

American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
E S Browning, 1515 3 St, San Francisco, Cal
*Cowles Chem Co, 7016 Euclid Ave, Cleveland 3, Ohio
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*H & W Chem, 182-200 Anderson Ave, Rochester 3, N Y
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
Hughes Chem Supply Co, 1411 Fleet St, Baltimore, Md
Innis, Speiden & Co, 117 Liberty St, N Y 6
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind

Cowles DETERGENT SILICATES

DRYORTH*
Sodium Orthosilicate—technically anhydrous.

STOCKS IN PRINCIPAL CITIES

*Reg U S. Pat Off.

MANUFACTURED BY
COWLES CHEMICAL COMPANY
7016 EUCLID AVENUE • CLEVELAND 3, OHIO

SODIUM m-SILICATE, continued

George Mann & Co, 251 Fox Point Blvd, Providence, R I
Merchants Chem Co, 60 E 42 St, N Y 17
Merchants Products Corp, Margaret & Pearce Sts, Phila 37, Pa
*L Carlton Mertz Co, 1638 S Normal Ave, Chicago 16, Ill
Mutchler Chem Co, 258 Broadway, N Y 7
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Rodgers Chem Co, 237 4 Ave, Pittsburgh, Pa
Superior Products Co, 148-148A Pearl St, Somerville, Mass
I D Talve Trading Co, 305 Broadway, N Y
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Jos Turner & Co, Ridgefield, N J
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
Welch, Holme & Clark Co, 439 West St, N Y 14
*Western Chem Co, Box 703, Altoona, Pa
Wollen Chem & Supply Co, 126 6 Ave, Paterson, N J

SODIUM o-SILICATE

Na_4Si0. White, free-flowing granules. Sol. water. Uses—detergent in metal cleaning.

American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Cowles Chem Co, 7016 Euclid Ave, Cleveland, Ohio
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*Dow Chem Co, Midland, Mich
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Innis, Speiden & Co, 117 Liberty St, N Y 6
Merchants Chem Co, 60 E 42 St, N Y 17
Riches-Nelson, 342 Madison Ave, N Y 17
Jos Turner & Co, Ridgefield, N J
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y

SODIUM SILICOFLUORIDE (Salufer, Sodium Fluosilicate)

Na_2SiF_6. White, odorless, amorp. powd. Sp. gr. 2.755. Decomp. at red heat. Very sl. sol. cold water. Uses—mfr. ceramic glazes, glass (opal), artificial marble; as ingredient of insecticides; rodent and insect destroyers; laundry scouring agent; in medicine. Poisonous. Grades—tech.; C.P.

Adams-Henry Chem Co, 32 Broadway, N Y 4
*American Agricultural Chem Co, 50 Church St, N Y 7
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
*Blockson Chem Co, Patterson Rd, Joliet, Ill
John A Chew, 60 E 42 St, N Y 17
Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
Croton Chem Corp, 114 Liberty St, N Y 6
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Howe & French, Mfg Dept, E Weymouth, Mass
Hummel Chem Co, 90 West St, N Y 6
Innis, Speiden & Co, 117 Liberty St, N Y 6
Kingston Chem Co, 15 William St, N Y 5
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
*Marcus-Ruth-Jerome Co, 327 S LaSalle St, Chicago Ill
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
*Michel & Pelton Co, 5743 Landregan St, Oakland 8 Cal
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
E M Sergeant Pulp & Chem Co, 7 Dey St, N Y 7
Henry Sundheimer Co, 103 Park Ave, N Y
Thompson-Hayward Chem Co, 2915 Southwest Blvd Kansas City 8, Mo
Washine-National Sands, 37-02 Northern Blvd, L I C 1
Welch, Holme & Clark Co, 439 West St, N Y 14 N Y

*Company classifies itself as manufacturer or producer of this product

SODIUM STANNATE

$Na_2Sn(OH)_6$ or $Na_2SnO_3.3H_2O$. White to tan cryst. which absorb CO_2 from air. Sol. water. Decomp. by acids. Uses—electroplating and immersion plating of tin and tin alloys; fireproofing. Grades—tech., C.P.

J T Baker Chem Co, Phillipsburg, N J
E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2 Ind
McKesson & Robbins, 155 E 44 St, N Y 17
*Metal & Thermit Corp, 100 E 42 St, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38

SODIUM STEARATE

$NaC_{18}H_{35}O_2$. White, amorp. powd., fatty odor, soapy feel. Sol. hot water, and hot alcohol. Uses—waterproofing agent; in medicine. Grades—tech.

American Firstoline Corp, 420 Lexington Ave, N Y
J T Baker Chem Co, Phillipsburg, N J
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*Leffingwell Chem Co, P O Box 191, Whittier, Cal
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Jos Turner & Co, Ridgefield, N J
*Witco Chem Co, 295 Madison Ave, N Y 17

SODIUM SUBSULFITE see Sodium Hyposulfite

SODIUM SULFADIAZINE (Sodium 2-Sulfanilamidopyrimidine)

M.W. 272.27. White crystalline powd., very sol. in water, sol. in alcohol; pH of 10% solution, 9.3 to 9.8. May be assayed by diazotization. Aqueous solution absorbs carbon dioxide from air with precipitation of sulfadiazine. Uses—same as sulfadiazine. Is injected intravenously to give immediate high blood levels of the drug in emergency cases.

American Roland Corp, 16 Hudson St, N Y
*Calco Chem Div, Bound Brook, N J
Chem Service Corp, 82 Beaver St, N Y 5
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

SODIUM SULFANILATE

*National Aniline Div, 40 Rector St, N Y 6

SODIUM 2-SULFANILAMIDOPYRIMIDINE see Sodium Sulfadiazine

SODIUM SULFAPYRIDINE

*Calco Chem Div, Bound Brook, N J
*Merck & Co, 100 Lincoln Ave, Rahway, N J
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

SODIUM SULFATE (Salt Cake)

Intermediate product in mfr. of sodium sulfate, containing Na_2SO_4 (principally), $NaHSO_4$. $CaSO_4$. $Fe_2(SO_4)_3$. $MgSO_4$. SiO_2 and NaCl. As anhydrous sodium sulfate Na_2SO_4. White, solid crystalline. Sp. gr. 2.671 (20°C). M.P. 884°C. Sol. water. Uses—mfr. water glass, plate and window glass, sodium salts, ceramic glazes, ultramarine, paper pulp, soap, freezing mixtures, detergent compositions; diluting dyestuffs. Grades—glassmakers' (free from iron); tech.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*American Agricultural Chem Co, 50 Church St, N Y 7
American-British Chem Supplies, 180 Madison Ave, N Y
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*Bay Chem Co, 120 S LaSalle St, Chicago 3, Ill
F M Browning Co, 150 Broadway, N Y 38
John A Chew, 60 E 42 St, N Y 17
C B Coburn Co, 63 Market St, Lowell, Mass
Harry Dixon & Sons, 250 Park Ave, N Y 17
*Cornwell Chem Corp, Cornwells Heights, Pa
*E I Dupont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
*Ethyl Corp, 100 Park Ave, N Y 17
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Philip A Hunt Co, Palisades Park, N J
Innis, Speiden & Co, 117 Liberty St, N Y 6
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2 Ind

BLOCKSON CHEMICAL COMPANY
Joliet, Illinois
Joliet Phone 2-6601
Chicago Phone Bishop 2-1230
MANUFACTURERS
SODIUM SILICOFLUORIDE

SODIUM SULFATE, continued

*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
George Mann & Co, 251 Fox Point Blvd, Providence, R I
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Mutual Chem Co of America, 270 Madison Ave, N Y 16
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Philipp Bros Chem, 37 Wall St, N Y
Prior Chem Corp, 420 Lexington Ave, N Y 17
*Reichhold Chem, 601707 Woodward Heights Blvd, Detroit 20, Mich
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Scher Brcs, 519 Getty Ave, Clifton, N J
E M Sergeant Pulp & Chem Co, 7 Dey St, N Y 7
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
J U Starkweather Co, 241 Allens Ave, Providence, R I
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
United Sterling Corp, 37 E 28 St, N Y
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
Welch, Holme & Clark Co, 439 West St, N Y 14

SODIUM SULFATE, CRYSTALS (Glauber's Salt)

a. Na_2SO_4. b. $Na_2SO_4.7H_2O$. c. $Na_2SO_4.10H_2O$. White cryst. or anhydrous white powd. Sp. gr. a. 2.671 (20° C). b. 1.492. c. 1.462. M.P. a. 884°C. b. 32.38°C. c. 32.38°C. Sol. water. Uses—mfr. sodium salts, sodium carbonate, washing sodas, paper pulp, ultramarine, mineral and lake colors. Prussian blue, printing inks, soaps, mineral waters, turkey red oil, freezing mixtures in refrigeration; as drying agent (anhydrous form); assist in dyeing and printing textiles; mordant in dyeing cotton; bleaching fabrics; tanning leather; diluting dyes; laboratory reagent; veterinary drug; in medicine. Grades—tech.; C.P.; U.S.P.; needle cryst.

*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
John A Chew, 60 E 42 St, N Y 17
*Cornwell Chem Corp, Cornwells Heights, Pa
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del

Salt Cake
PRIOR CHEMICAL CORPORATION • NEW YORK
420 LEXINGTON AVENUE
CABLE: PRIORCHEM NEW YORK
PHONE: LExington 2-9811

SODIUM SILICO FLUORIDE
POTASSIUM SILICO FLUORIDE
Faesy & Besthoff Inc.
325 Spring St., New York 13, N.Y. • ALgonquin 5-7300
Plant and Warehouse: Hicksville, L. I.

*Company classifies itself as manufacturer or producer of this product

TSPP
STPP

Acetone
Ammonium Chloride
Calcium Chloride
Calcium Hypochlorite
Carbon Tetrachloride
Caustic Potash
Caustic Soda
Formic Acid
Hydrogen Peroxide
Oxalic Acid
Phenol
Potassium Bichromate
Soaps
Soda Ash
Sodium Bicarbonate
Sodium Bichromate
Sodium Bisulphite
Sodium Hydrosulphite
Sod Sesquicarbonate
Sodium Sulphate
Synthetic Detergents
Textile Specialties
Triethanolamine
Trichlorethylene
Trisodium Phosphate
Urea

Siegel Chemical Co., Inc.
ONE HANSON PLACE
BROOKLYN 17, N. Y.
Cable: "SIEGKEM" Tel.: ULSTER 7-7400

HIGH QUALITY
SODIUM SULPHATE
(Rayon Grade)
PACKED IN
100 LB. BAGS

PRIOR CHEMICAL CORPORATION - NEW YORK
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SODIUM SULFATE, CRYSTALS (continued)

Empire Chem Corp, 21 West St, N Y 6
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Iowa Soda Products Co, P O Box 476, Council Bluffs, Iowa
Merchants Chem Co, 60 E 42 St, N Y 17
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*Natural Products Refining Co, 901-910 Garfield Ave, Jersey City 5, N J
Prior Chem Corp, 420 Lexington Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
J U Starkweather Co, 241 Allens Ave, Providence, R I
Wollen Chem & Supply Co, 126 6 Ave, Paterson, N J

SODIUM SULFATHIAZOLE

$C_9H_8N_3O_2S_2Na$. M.W. 277. White to faintly yellowish-white powd. or granules. Affected by light. Uses—pharmaceutical.

American Roland Corp, 16 Hudson St, N Y
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
*Calco Chem Div, Bound Brook, N J
Conray Products, 510 6 Ave, N Y 11
*Cane & Ingram, 43 W 16 St, N Y 11
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Stauffer Chem Co, 420 Lexington Ave, N Y 17

SODIUM SULFHYDRATE see Sodium Hydrosulfide

SODIUM SULFIDE (Sodium Sulfuret)

a. Na_2S. b. $Na_2S.9H_2O$. Clear, colorless, deliq. cryst. Sp. gr. 1.856. Infusible. Sol. water; sl. sol. alcohol. Uses—mfr. sulfur dyes, intermediates, organic chemicals, paper pulp, glazed kid, insecticidal compositions, sheep dips; depilatory agent in preparing hides; denitrating rayon; ingredient of dye liquor in dyeing textiles; as solvent; cleaning fabrics; calico printing; sulfiding oxidized lead and copper ores preparatory to flotation; laboratory and photographic reagent; solvent for gold in metallurgy of gold ores; oxidizing metals and electroplating reagent; engraving and lithography. Grades —60% fused and broken; 30% cryst.; reagent.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American-British Chem Supplies, 180 Madison Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*Barium Reduction Corp, Drawer 1, S Charleston 3, W Va
F M Browning Co, 150 Broadway, N Y 38
*Chem. Products Corp, Cartersville, Ga
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
*Chicago Copper & Chem Co, 127 & Div Sts, Blue Island, Ill
Continental Commodities Corp, 230 Park Ave, N Y 17
*Dow Chem Co, Midland, Mich
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Enco Chem Corp, 441 Lexington Ave, N Y 17
Faesy & Besthoff, 325 Spring St, N Y 13
Fallek Products Co, 163 Broadway, N Y 6
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
R W Greeff Co, 10 Rockefeller Plaza, N Y 20
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y

SODIUM SULFIDE

Innis, Speiden & Co, 117 Liberty St, N Y 6
E & F King & Co, 640 Pleasant St, Norwood, Mass
Kingston Chem Co, 15 William St, N Y 5
John D Lewis, 68 Traverse St, Providence 1, R I
George Mann & Co, 251 Fox Point Blvd, Providence, R I
Merchants Chem Co, 60 E 42 St, N Y 17
*Merichem Co, 3101 Fannin St, Houston 4, Tex
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Philipp Bros Chem, 37 Wall St, N Y
Prior Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Scher Bros, 519 Getty Ave, Clifton, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
Jos Turner & Co, Ridgefield, N J
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

SODIUM SULFITE

a. Na_2SO_3. b. $Na_2SO_3.7H_2O$. Colorless efflorescent cryst. Sp. gr. a. 2.6334. b. 1.561. M.P. a. 150°C. b. loses water at 150°C. Decomp. on further heating. Uses—mfr. sulfide cellulose, sodium thiosulfate, dyestuffs, intermediates, organic chemicals; bleaching delicate textiles; general chemical reducing agent; general preservative; antichlor to remove chlorine from textiles, paper, etc.; photographic developer; preserving sugar syrups, foods, meats; treating rubber latex; sterilizing beer kegs; silvering glass mirrors; photographic dry powd.; C.P.; U.S.P

American Firstoline Corp, 420 Lexington Ave, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
F M Browning Co, 150 Broadway, N Y 38
Chem Service Corp, 82 Beaver St, N Y 5
Conray Products, 510 6 Ave, N Y 11
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Philip A Hunt Co, Palisades Park, N J
E & F King & Co, 640 Pleasant St, Norwood, Mass
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Maas Chem Co, 4570 Ardine St, S Gate, Cal
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Spring Chem, 239 E 141 St, N Y 51
Starr Mfg & Chem Co, 607 S Shawnee St, Lima, Ohio
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
Wholesale Supply Co, Box 16337 Vine St Sta, Los Angeles 38, Cal

SODIUM SULFOCARBOLATE see Sodium Phenol Sulfonate

SODIUM SULFOCYANATE see Sodium Sulfocyanide

SODIUM SULFOCYANIDE (Sodium Thiocyanate, Sodium Sulfocyanate, Sodium Rhodanate, Sodium Rhodanide)

NaSCN. M.W. 81.07. Colorless or white amorp. powd. or heavy, deliq. cryst. M.P. 562.3°C. Sol. water, alcohol. Uses—dyeing and printing textiles; laboratory reagent; eletroplating reagent; toxic insect spray; in medicine; in match-head compositions. Grades—tech. cryst. or dried; pure; C.P.

*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del

SODIUM SULFONATES see advertisements on this page and individual listings.

SODIUM SULFOXYLATE FORMALDEHYDE

$NaHSO_2.CH_2O.2H_2O$. M.W. 154.1. White pellets sol. in warm water. Decomp. slowly in warm moist air. Uses—reduction of vat dyes for textiles. Bleaching agent for sugar, molasses, wood pulp, glue and soap; in chemical synthesis.

Barclay Chem Co, 75 Varick St, N Y
Eastern Seaboard Supply Corp, 238 Melrose St, Bklyn 6, N Y
Boto Leopold, Woolworth Bldg, N Y 7
John D Lewis, 818 Traverse St, Providence 1, R I
Manufacturers Chem Co, 527 5 Ave, N Y 17
*Rohm & Haas Co, Washington Sq, Phila 5, Pa

SODIUM SULFURET see Sodium Sulfide

SODIUM SUPEROXIDE see Sodium Peroxide

SODIUM TETRABORATE see Sodium Borate

SODIUM 2,4,5,6,-TETRACHLORO-PHENATE

C_6HCl_4ONa. M.W. 253.6. Light-tan to nearly white solid with sl. characteristic odor. Sol. water, alcohol, acetone; insol. most other organic solvents. Uses—as a fungicide for control of molds and fungi on wood products. Grades—chips.

Chapman Chem Co, 707 Dermon Bldg, Memphis, Tenn

SODIUM TETRA IODO-PHENOLPHTHALEIN

*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Shepard Chem Corp, 117 Liberty St, N Y 6

SODIUM TETRASULFIDE

Na_2S_4. M.W. 174. Clear, deep red water solution. Uses—soaking of hides and skins prior to unhairing, reduction of organic nitro bodies, insecticide and fungicide for fruit tree spray, ore flotation reagent, reduction of cyanide plating baths, mfr. of sulfur dyes.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American Firstoline Corp, 420 Lexington Ave, N Y
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y

SODIUM THIOCYANATE see Sodium Sulfocyanide

SODIUM THIOGLYCOLATE

*City Chem Corp, 132 W 22 St, N Y 11
Lack Chem Co, 19 Park Pl, N Y 7
*Medical Chem Corp, 4122 W Grand Ave, Chicago 51, Ill
*Stanton Labs, Bath Rd, Bristol, Pa

SODIUM THIOSULFATE see Sodium Hyposulfite

SODIUM TITANATE

Na_2TiO_3. M.W. 118.9. Tan powd. M.P. 2824°F. Sol. HF and conc. H_2SO_4. Uses—welding arc stabilizer.

Evans Chemetics, 250 E 43 St, N Y 17

SODIUM TOLUENESULFONATE

$C_7H_7SO_3Na$. M.W. 194.12. White to cream-colored powd. Sol. water. Uses—hydrotropic solvent.

*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

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Copper Naphthenate • Phthalic Anhydride
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Mercantile Securities Bldg., Dallas, Texas

SODIUM TRICHLOROACETATE (Trichloroacetic Acid, Sodium Salt)

$Cl_3C\text{-}COONa$. M.W. 163.40. White powd. Uses—control of grasses by suppression or by killing.

Chapman Chem Co, 707 Dermon Bldg, Memphis, Tenn
*Dow Chem Co, Midland, Mich
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Oldbury Electro Chem Co, 19 Rector St, N Y 6

SODIUM 2,4,5-TRICHLOROPHENATE

$Cl_3C_6H_2ONa.5H_2O$. M.W. 246.5. Buff to brown-colored flakes and fines. Sol. acetone, alcohol, water. Uses—preservative in animal glues and casein; as mold preventative.

*Dow Chem Co, Midland, Mich

SODIUM TRIPOLYPHOSPHATE

$Na_5P_3O_{10}$. M.W. 367.93. White, free-flowing powd. Sol. water. Uses—water softening detergent; possibilities as peptizing agent.

S L Abbot Co, 135 King St, San Francisco, Cal
Badger Chem Co, 1120 S Barclay St, Milwaukee 4, Wis
Barclay Chem Co, 75 Varick St, N Y
*Blockson Chem Co, Paterson Rd, Joliet, Ill
Chem Service Corp, 82 Beaver St, N Y 5
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Halogen Chem, 1505 Charlton Dr, Columbia, S C
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
Hughes Chem Supply Co, 1411 Fleet St, Baltimore, Md
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill

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TRISODIUM PHOSPHATE
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SODIUM FLUORIDE
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TETRASODIUM PYROPHOSPHATE (TSPP)
DIPOTASSIUM PHOSPHATE (DKP)
MONOPOTASSIUM PHOSPHATE (MKP)
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TRIPOTASSIUM PHOSPHATE (TKP)

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fmc

SODIUM TRIPOLYPHOSPHATE, continued

*Maas Chem Co, 4570 Ardine St, S Gate, Cal
McKesson & Robbins, 155 E 44 St, N Y 17
Mellin Chem, 45 N Broad St, Ridgewood, N J
Merchants Chem Co, 60 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
Philipp Bros Chem, 37 Wall St, N Y
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Scher Bros, 519 Getty Ave, Clifton, N J
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
George F Smith, 60 E 42 St, N Y 17
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
Wollen Chem & Supply Co, 126 6 Ave, Paterson, N J

SODIUM TUNGSTATE (Sodium Wolframate)

$Na_2WO_4 + 2H_2O$. Colorless cryst. Sp. gr. 3.259. Loses water at 100°C. and melts at 698°C. Sol. water. Uses—mfr. other tungstates, phosphotungstates, isotungstates, tungstic acid, oxides; fire-proofing fabrics, etc.; laboratory reagent. Grades—cryst.; tech.; C.P.

*J T Baker Chem Co, Phillipsburg, N J
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*North Metal & Chem Co, 638 E Mason Ave, York, Pa
Prior Chem Corp, 420 Lexington Ave, N Y 17
*Sylvania Elec Products Co, Towanda, Pa
*Wah-Chang Corp, 233 Broadway, N Y 7

SODIUM UNDECYLENATE

$C_{11}H_{19}O_2Na$. M.W. 206. White powd. Sol. water, alcohol. Uses—medicinal.

*Baker Castor Oil Co, 120 Broadway, N Y 5
*City Chem Corp, 132 W 22 St, N Y 11
*Wallace & Tiernan Products, 11 Mill St, Belleville 9, N J

SODIUM URANATE

Na_2UO_4. Uses—mfr. yellow-green fluorescent gloss, porcelain painting, enameling.

Amend Drug & Chem Co, 117-119 E 24 St, N Y

SODIUM o-VANADATE

*S W Shattuck Chem Co, 1805 S Bannock St, Denver, Col
Vanadium Corp of America, 420 Lexington Ave, N Y 11

SODIUM WOLFRAMATE see Sodium Tungstate

SODIUM XYLENESULFONATE

$C_8H_9SO_3Na$. M.W. 208.13. White to cream-colored powd. Sol. water. Uses—hydrotropic solvent.

*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

SODIUM ZIRCONYL SULFATE

*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Rohm & Haas Co, Washington Sq, Phila 5, Pa

*Company classifies itself as manufacturer or producer of this product

SOFTENERS, LEATHER

Antara Products Div, 435 Hudson St, N Y 14
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*E F Drew & Co, 15 E 26 St, N Y 10
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*M Michel & Co, 90 Broad St, N Y 4
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
Welch, Holme & Clark Co, 439 West St, N Y 14
Witco Chem Co, 295 Madison Ave, N Y 17



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Sodium Xylenesulfonate, marketed under the name of Wyandotte Naxonate, has the unusual property of increasing the solubility of a great variety of organic chemicals in water. Naxonate is useful for attaining and maintaining the homogeneity of scouring and sizing compositions, printing pastes and spotting agents. It is finding application in solvent extractions and in speeding up chemical reactions in aqueous solutions.

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SOFTENERS, NITROCELLULOSE

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*M Michel & Co, 90 Broad St, N Y 4

Victor

SODIUM TRIPOLYPHOSPHATE
and
TETRASODIUM PYROPHOSPHATE
Anhydrous—Powdered and Granular

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141 W. Jackson Blvd., Chicago 4, Illinois

SOFTENERS, PAPER

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Witco Chem Co, 295 Madison Ave, N Y 17

SOFTENERS, RUBBER

Compounds usually produced from coal-tar hydrocarbons, mineral black oil, coal-tar resins, mixtures of mineral and vegetable oils, petroleum derivatives, turpentine or derivatives, asphaltic products, natural hard bitumen, resins from rosin, etc. Not all compounds possess all the following properties: lubrication, reduction of power consumed in milling operations, improvement of the curing rate, increased dispersion of pigments, improvement of aging qualities, greater smoothness of finish.

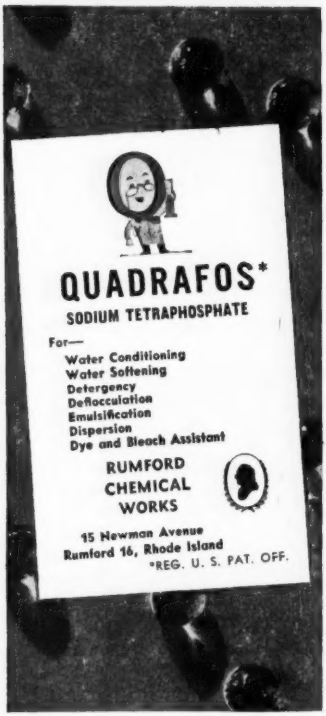
Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2, Ohio
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Baker Castor Oil Co, 120 Broadway, N Y 5
*Barrett Div, 40 Rector St, N Y 6
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
E W Colledge, G S A, P O Box 389, Jacksonville 1, Fla
*E I Du Pont de Nemours & Co, Organic Chem Dept, Rubber Chem Div, Wilmington 98, Del
*Glidden Co, Crestwood-Burton, Jacksonville, Fla
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Standard Chem Co, 60 S Selberling St, Akron, Ohio
*J M Huber Corp, 100 Park Ave, N Y 17
Indoil Chem Co, 910 S Michigan Ave, Chicago 80, Ill
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Louisiana Pine Products Co, P O Box 814, Alexandria 4, La
*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa

SOFTENERS
for Rubber

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Polycizer 332
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Modified Styrene Resins
Resinex
Para Coumarone-Indene Resins
Reclaiming Oils
Plastone
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Lauric Acid
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Petrolatum
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AKRON, OHIO
BRANCHES: BOSTON, TRENTON, CHICAGO, LOS ANGELES

*Company classifies itself as manufacturer or producer of this product



SOFTENERS, RUBBER, continued

*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Pan American Refining Corp, 122 E 42 St, N Y 17
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
*Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J
Wilson Carbon Co, 60 E 42 St, N Y 17
*Witco Chem Co, 295 Madison Ave, N Y 17

SOFTENERS, STENCIL

Preps. which clean stencils, remove the brittleness, and restore the necessary softness so that the proper impressions may be made, clean and with the proper sharpness.

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*M Michel & Co, 90 Broad St, N Y 4

SOFTENERS, TEXTILE

Compounds which impart a softness of handle or feel to finished textiles. Previously, oils, such as castor and olive were used and still are to some extent, but in recent years many compounds and chemicals of a complex nature have been introduced. Many softeners are prepared by condensing aleic and stearic acids with ethylene diamine and its alkyl derivatives. o-Phenylene diamine can be substituteed for ethylene diamine. Another class includes the thioethers made by reacting saturated or unsaturated monomeric aliphatic compounds or hydroaromatic compounds which contain a mercapto group, with 1:2-propylene oxides, which are substituted in the methyl group by a halogen, or hydroxy, or a mercapto radical.

*Alrose Chem Co, 180 Mill St, Cranston 5, R I
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Antara Products Div, 435 Hudson St, N Y 14
*Apex Chem Co, 225 W 34 St, N Y 1
*Arabol Mfg Co, 110 E 42 St, N Y 17
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Atlantic Chem Co, 2072 Smith St, Centredale, R I
*Bryant Chem Corp, 6 North St, N Quincy, Mass
*Calco Chem Div, Bound Brook, N J
*Ciba Co, 627 Greenwich St, N Y 14
*Cidex Corp, 85 Franklin St, Jersey City, N J
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
*E F Drew & Co, 15 E 26 St, N Y 10

SOFTENERS, TEXTILE, continued

*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Eastern Color & Chem Co, 137 Canal St, Providence, R I
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Geigy Co, 89 Barclay St, N Y 8
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Lanatex Chem Co, 49 Westminster St, Providence, R I
*Laurel Soap Mfg Co, Tioga & Thompson St, Phila 34, Pa
*Leatex Chem Co, 2722 N Hancock St, Phila 33, Pa
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*Marlowe-Van Loan Corp, Box 1851, High Point, N C
*Mellin Chem, 45 N Broad St, Ridgewood, N J
M Michel & Co, 90 Broad St, N Y 4
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Paisley Products, 630 W 51 St, N Y
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
Ross & Rowe, 50 Broadway, N Y 4
*Sandoz Chem Works, 61 Van Dam St, N Y 13
Scher Bros, 519 Getty Ave, Clifton, N J
*Scholler Bros, Collins & Westmoreland Sts, Phila 34, Pa
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Southern Textile Chem Corp, 1407 Broadway, N Y 18
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Synthron Inc, Ashton, R I
*Tex-Chem Co, 20-21 Wagaraw Rd, Fairlawn, N J
*Titan Chem Products, Mill Rd & Wayne St, Jersey City, N J
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
*Warwick Chem Co Div, Wood River Junction, R I
Welch, Holme & Clark Co, 439 West St, N Y 14

SOFTENERS, WATER

Substances used to remove sol. compounds of lime and magnesia present in natural waters and which form scale and sludge when used in boilers. Soft water is also essential in numerous industrial operations for the sol. lime and magnesium salts react with other chemicals employed to form undesirable compounds which interfere adversely with operations and processes. The four outstanding processes used for softening water are: distillation, the cold lime-soda process, the hot lime-soda process, and the zeolite process. See also Water Purification Compounds; Zeolites.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Anderson-Stolz Corp, 1731-33 Walnut St, Kansas City, Mo
*Antara Products Div, 435 Hudson St, N Y 14
*Chem Process Co, 901 Spring St, Redwood City, Cal
John A Chew, 60 E 42 St, N Y 17
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
*Damon Chem Co, 527 E Cambridge St, Alliance, Ohio
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
*Dow Chem Co, Midland, Mich
*E F Drew & Co, 15 E 26 St, N Y 10
*Elgin Softener Corp, Elgin, Ill
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*J W Jones Co, 135 Hardwood Ave, Caledonia, N Y
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
Merchants Chem Co, 60 E 42 St, N Y 17
National Aniline Div, 40 Rector St, N Y 6
Opalco Lab, 20 E Pittsburgh Blvd, McKeesport, Pa
*Permutit Co, 330 W 42 St, New York 18, N Y
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Rumford Chem Works, Rumford, R I
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Solway Sales Div, 40 Rector St, N Y 6
*Utility Chem Co, 145 Peet St, Paterson 4, N J
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Welch, Holme & Clark Co, 439 West St, N Y 14

SOLDERING FLUIDS

Solder in liq. form used for sheet metal work and for bonding or joining together copper, brass, zinc, lead, tin, galvanized metals, etc.

*Geo Callahan & Co, Closter, N J
*Damon Chem Co, 527 E Cambridge St, Alliance, Ohio
Hyde & Bates, 17 John St, N Y 38
*Morris P Kirk & Son, 2717 S Indiana St, Los Angeles, Cal
*Lox Mfg Co, 3310 E 31 St, Kansas City, Mo
*Randall Chem Corp, 2050 88 St, N Bergen, N J
*Ruby Chem Co, 68-70 McDowell St, Columbus, Ohio

SOLDERS, ACID CORE

*American Smelting & Refining Co, 120 Broadway, N Y 5
*Morris P Kirk & Son, 2717 S Indiana St, Los Angeles, Cal
Northwest Lead Co, 2700 16 Ave S W, Seattle, Wash
*Ruby Chem Co, 68-70 McDowell St, Columbus, Ohio

WE MANUFACTURE
A COMPLETE LINE OF

TEXTILE AUXILIARIES

SOFTENERS.....WETTING AGENTS
WATERPROOFS.....FLAMEPROOFS
DETERGENTS.....FINISHES

MAHER
COLOR & CHEMICAL CO.
Chicago - 10 Los Angeles - 21

NEVILLE

NEVOLL RUBBER SOFTENER

Coal-tar softener and effective plasticizer and wetting agent for synthetic and natural rubber to improve resistance to abrasion, tensile strength, elongation and resilience.

THE NEVILLE COMPANY
PITTSBURGH 25, PA.

*Company classifies itself as manufacturer or producer of this product

SOLDERS, ALUMINUM

Usually alloys of from 50-85% tin, 15-50% zinc and aluminum. Higher melting alloys contain from 73-87% tin, 8-15% zinc, and 5-12% aluminum. Certain alloys contain copper instead of tin, still others have copper and lead as well as zinc, tin and aluminum. A few have a silver content. A representative alloy contains tin, 55%; zinc, 33%; copper, 1%; aluminum, 11%.

American Firstoline Corp, 420 Lexington Ave, N Y
*American Smelting & Refining Co, 120 Broadway, N Y 5
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

SOLDERS, BRASS

For soft soldering, a tin-lead solder; for hard soldering, a copper-zinc alloy, poorer in copper than the pieces to be soldered. A representative brass solder contains 66% zinc and 33% copper.

American Firstoline Corp, 420 Lexington Ave, N Y

SOLDERS, BRAZING

Alloys of from 35-45% copper, 45-57% zinc, and 8-10% nickel.

*T B Hagstoz & Son, 709 Sansome St, Phila 6, Pa

SOLDERS, PASTE

A fusing metal or alloy specially prepared in paste form and used to unite adjacent surfaces of less fusible metals and alloys.

*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill
*Northwest Lead Co, 2700 16 Ave S W, Seattle, Wash

SOLDERS, PASTE CORE

*American Smelting & Refining Co, 120 Broadway, N Y 5

SOLDERS, PRECIOUS METALS

Specially prepared preps. for intimately joining gold, silver, platinum, etc.

*Goldsmith Bros Smelting & Refg Co, 111 N Wabash Ave, Chicago 2, Ill
*T B Hagstoz & Son, 709 Sansom St, Phila 6, Pa

SOLDERS, ROSIN CORE

*American Smelting & Refining Co, 120 Broadway, N Y 5
*Morris P Kirk & Son, 2717 S Indiana St, Los Angeles, Cal
Northwest Lead Co, 2700 16 Ave S W, Seattle, Wash
*Ruby Chem Co, 68-70 McDowell St, Columbus, Ohio

SOLUBILIZERS

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Emulsol Corp, 59 E Madison St, Chicago 3, Ill
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*M Michel & Co, 90 Broad St, N Y 4
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Sharples Chem, 123 S Broad St, Phila 9, Pa

SOLUBLE GLASS see Sodium Silicate

SOLUBLE GUN COTTON see Pyroxylin Solutions

SOLUBLE TARTAR see Potassium Tartrate

SOLUTIONS, ELECTRO POLISHING

*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Fiber Chem Corp, Box 218, Matawan, N J

SOLUTIONS, SPECIAL VOLUMETRIC

*Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill

SOLVENT CLARIFIERS, DRY-CLEANING

Products to treat the spent solvents employed by dry-cleaners, removing impurities, coloring matter, odors, suspended or colloidal matter, etc., and restoring the solvents to their original condition so that they can be re-used.

*Aceto Chem Co, 82 Beaver St, N Y 5
Barclay Chem Co, 75 Varick St, N Y
*Darco Dept, Atlas Powder Co, 60 E 42 St, N Y
*Johns-Manville, 22 E 40 St, N Y 16
Merchants Chem Co, 60 E 42 St, N Y 17
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

SOLVENTS, CELLULOSE ACETATE

Products exhibiting special solvent powers on cellulose acetate.

*Aceto Chem Co, 82 Beaver St, N Y 5
American-British Chem Supplies, 180 Madison Ave, N Y
American Mineral Spirits Co, 155 E 44 St, N Y 17
Barclay Chem Co, 75 Varick St, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y 16

TEXTILE SOFTENERS and FINISHES

Cream Softener J. B. — Stearic Acid Softener N. C. F.
Cream Softener Conc. — Sulphonated Tallow # 36

LUPOMIN A Cation Active Finish
LUPOMIN Q A Quaternary Ammonium Compound

JACQUES WOLF & CO.
Manufacturing Chemists & Importers
Passaic, N. J. • Carlstadt, N. J. • Los Angeles, Calif.

TEXTILE SOFTENERS
STANDAPOL*
... Quality finishing oils
STANTEOSINE
... Substantive softeners
STANTEX* OILS
... Softeners and Lubricants
* Reg. U. S. Pat. Office
SAMPLES AND DEMONSTRATION ON REQUEST
STANDARD CHEMICAL PRODUCTS, INC.
1301 JEFFERSON STREET, HOBOKEN, NEW JERSEY

SOLVENTS
TRICHLORETHYLENE — PERCHLORETHYLENE
CARBON TETRACHLORIDE — SOLVENT NAPHTHAS
METHYLENE CHLORIDE
•
Established 1892
ELBERT & COMPANY, INC.
2 Broadway, New York 4, N. Y., Digby 8-2670

Solvents
Methyl Ethyl Ketone
Methyl Isobutyl Ketone
Butyl Acetate
Butyl Alcohol
Methanol
Benzol
Toluol

Plasticizers
Dibutyl Phthalate
Dioctyl Phthalate
Diethyl Phthalate
Dimethyl Phthalate
Tricresyl Phosphate

Pigments
Titanium Dioxide
Rcht Pigment
Lithopone
Zinc Oxide
Chrome Colors
Iron Blue

Barclay CHEMICAL COMPANY, inc.
77 VARICK STREET — NEW YORK 13, N. Y. - WO 4-5120

*Company classifies itself as manufacturer or producer of this product



MIXED CHLORINATED SOLVENTS

(Chlorinated aliphatic and aromatic hydrocarbons, chlorinated ethers)

SOLVENT C96 • SOLVENT C110 • SOLVENT C160

BETACHLOR • SOLVENT R

Samples and data available upon request

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REG. U. S. PAT. OFF.

WYANDOTTE CHEMICALS CORPORATION

WYANDOTTE, MICHIGAN • OFFICES IN PRINCIPAL CITIES

Soda Ash • Caustic Soda • Bicarbonate of Soda • Calcium Chloride
Calcium Carbonate • Chlorine • Hydrogen • Dry Ice • Synthetic Detergents • Glycols • Carbose (Sodium CMC) • Ethylene Dichloride • Propylene Dichloride • Aromatic Sulfonic Acid Derivatives
Other Organic and Inorganic Chemicals

DU PONT

REG. U. S. PAT. OFF.

CHLORINATED SOLVENTS

Nonflammable; powerful rapid-penetrating solvents for fats, waxes, oils, and similar organic materials.

Methylene Chloride
Chloroform (Technical Grade)
Trichlorethylene
Perchlorethylene

E. I. DU PONT DE NEMOURS & CO. (INC.)
ELECTROCHEMICALS DEPARTMENT
WILMINGTON DELAWARE

U·S·S Coal Tar Solvents

Benzol Toluol Xylol
Solvent Naphtha
Tank-car quantities

USS

UNITED STATES STEEL COMPANY
525 WILLIAM PENN PLACE, PITTSBURGH 30, PA.

COAL CHEMICALS

UNITED STATES STEEL

NEVILLE

COAL-TAR SOLVENTS

2-50-W Hi-Flash Solvent — Benzol
Wire Enamel Thinners — Toluol
Crude and Special Solvents — Xylol

THE NEVILLE COMPANY

PITTSBURGH 25, PA.

SOLVENTS, CELLULOSE ACETATE, continued

C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Commercial Solvents Corp, 17 E 42 St, N Y 17
Kingston Chem Co, 15 William St, N Y 5
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
Republic Chem Corp, 94 Beekman St, N Y 38
*Shell Chem Corp, 50 W 50 St, N Y 20
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Tennessee Eastman Co, 10 E 40 St, N Y 16
*U S Industrial Chem, 60 E 42 St, N Y

SOLVENTS, CHLORINATED

Generally, non-flammable, liq., chlorinated derivatives of the lower saturated and unsaturated paraffins. They are excellent solvents for a very wide and heterogeneous number of organicals—gums, esters, alkaloids, halogenated compounds, etc. See also: Methylene Chloride, Chloroform, Trichlorethylene, Tetrachlorethylene (Perchlorethylene), Tetrachlorethane, Pentachlorethane.

*Aceto Chem Co, 82 Beaver St, N Y 5
American Firstoline Corp, 420 Lexington Ave, N Y
American Mineral Spirits Co, 155 E 44 St, N Y 17
Amsco Solvents & Chem Co, 4619 Reading Road, Cincinnati 29, Ohio
Barclay Chem Co, 75 Varick St, N Y
C P Chem Solvents, 60 Park Pl, Newark 2, N J
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Curran Corp, S Canal St, Lawrence, Mass
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Detrex Corp, P O Box 501, Detroit 32, Mich
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Electrochem Dept & Grasselli Chem Dept, Wilmington 98, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Wm S Gray & Co, 342 Madison Ave, N Y 17
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
Hoosier Solvents & Chem Corp, 1650 Luett St, Indianapolis 22, Ind
International Selling Corp, 70 Pine St, N Y 5
Kingston Chem Co, 15 William St, N Y 5
John D Lewis, 48 Traverse St, Providence 1, R I
*Mathieson Hydrocarbon Chem Corp, Mathieson Bldg, Baltimore 3, Md
Merchants Chem Co, 60 E 42 St, N Y 17
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Ohio Solvents & Chem Co, 3470 W 140 St, Cleveland 11, Ohio
Philipp Bros Chem, 37 Wall St, N Y
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
*Sharples Chem, 123 S Broad St, Phila 9, Pa
*Shell Chem Corp, 50 W 50 St, N Y 20
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

SOLVENTS, COAL-TAR

Coal-tar solvents are generally aromatic hydrocarbons of the benzene series, but other compounds obtained from coal-tar, as those of the phenol series and nitrogen bases, such as pyridine, have special solvent properties that make them useful for a wide variety of purposes. Ordinarily the constituent compounds are those contained in coal-tar light oil obtained both from scrubbing coal gas or by the distillation of coal-tar produced by the high temp. carbonization of bituminous coal. They are supplied to meet required specifications as to boiling range, color, flash point, etc. See also Naphthas, Benzol, Toluol, Xylol, etc.

*Aceto Chem Co, 82 Beaver St, N Y 5
Allied Raw Materials, 38 Park Row, N Y 7
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*American Mineral Spirits Co, 155 E 44 St, N Y 17
Amsco Solvents & Chem Co, 4619 Reading Rd, Cincinnati 29, Ohio
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
Benzol Distributors, Georges Rd & Penn R R, Dayton, N J
Bergstrom Trading Co, 233 Broadway, N Y
Buffalo Solvents & Chem Corp, Box 73, Sta B, Buffalo 7, N Y
C P Chem Solvents, 60 Park Pl, Newark 2, N J
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
DeMert & Dougherty, 3001 W 46 St, Chicago 32, Ill
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
Wm S Gray & Co, 342 Madison Ave, N Y 17
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio

*Company classifies itself as manufacturer or producer of this product

SOLVENTS, COAL-TAR, continued

Kingston Chem Co, 15 William St, N Y 5
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Krekel Goetz Sales & Supply Co, 302 Housman Bldg, Grand Rapids 2, Mich
*Mineral Oil Refining Co, P O Box 625, Dickinson, Tex
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
Nitrogen Products, 450 7 Ave, N Y 1
Ohio Solvents & Chem Co, 3470 W 140 St, Cleveland 11, Ohio
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
*Pittsburgh Coke & Chem Co, 1905 Grant Bldg, Pittsburgh 30, Pa
*Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
Reinhart Chem Corp, 405 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Wolverine Solvents & Chem Co, 1500 Century Ave, Grand Rapids 9, Mich
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

SOLVENTS, COSMETIC

*Abeles-Wilson Chem Corp, 307 5 Ave, N Y 16
*Aceto Chem Co, 82 Beaver St, N Y 5
Barclay Chem Co, 75 Varick St, N Y
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y 16
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Lac Chem, 8512 Hays St, Culver City, Cal
Merchants Chem Co, 60 E 42 St, N Y 17
*Shell Chem Corp, 50 W 50 St, N Y 20
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
West Coast Chem & Solvents Corp, 8512 Hays St, Culver City, Cal

SOLVENTS, CRUDE

Wide variety of organic solvents in crude form.

*Aceto Chem Co, 82 Beaver St, N Y 5
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
*Celanese Corp of America, 180 Madison Ave, N Y 16
*Gen Petroleum Corp, 612 S Flower St, Los Angeles 17, Cal
International Selling Corp, 70 Pine St, N Y 5
*Mathieson Hydrocarbon Chem Corp, Mathieson Bldg, Baltimore 3, Md
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa

SOLVENTS

- Alcohols
- Esters
- Ketones
- Plasticizers
- Chlorinated Solvents

AMERICAN MINERAL SPIRITS COMPANY

155 E. 44th St., New York 17, N. Y.

PICCO

SOLVENTS

Hi-Solv Aromatic Petroleum Naphthas

PICCO Coal Tar Naphthas

Hi-Solv Heavy Naphthas

Coal Tar Heavy Naphthas

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CLAIRTON, PENNSYLVANIA

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POTASSIUM CARBONATE
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CHLORATES
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AMMONIUM PERCHLORATE
POTASSIUM PERCHLORATE
CHROME OXIDE

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70 Pine St., New York 5, N. Y.

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INDUSTRIAL CHEMICALS

SOLVENTS PIGMENTS

American and French Process

ZINC OXIDE

For All Pharmaceutical, Cosmetic and Industrial Purposes

Zinc Sulfate • Zinc Stearate • Zinc Dust

ZINC CARBONATE

Nickel Formate • Nickel Sulfate • Copper Sulfate

Trichlorethylene • Perchlorethylene
Carbon Tetrachloride

Soda Ash • Tri-Sodium Phosphate
Ammonium Chloride

AMERICAN FIRSTOLINE CORPORATION

420 LEXINGTON AVE., N. Y. 17, N. Y. MU-3-3203

*Company classifies itself as manufacturer or producer of this product

STONEY-MUELLER

Incorporated

PAGE & NEWARK AVE., LYNDHURST, N. J.

Cable Address: "Stonemill, Lyndhurst"
Telephone: Rutherford 2-7420

ALCOHOLS

Amyl Alcohol
Normal Butyl Alcohol
Secondary Butyl Alcohol
Ethyl Alcohol, All Grades
Isopropyl Alcohol, All Grades
Methyl Alcohol, All Grades
Methyl Isobutyl Carbinol
Propyl Alcohol, Normal

CHLORINE COMPOUNDS

Anhydrous Aluminum Chloride
(White Powdered, Granular or Solid)
Ethylene Dichloride

AROMATIC HYDROCARBONS

Benzol, All Grades
Toluol, All Grades
Xylol, All Grades
Hi Flash Coal-Tar Solvents

ESTERS

Amyl Acetate
Ethyl Acetate
Methyl Acetate
Isopropyl Acetate
Normal Butyl Acetate
Secondary Butyl Acetate
Ethyl Lactate
Methyl Formate
Synesit (91% Acetic Ester)

GLYCOLS

Ethylene Glycol
Diethylene Glycol

KETONES

C. P. Acetone
Diacetone
Methyl Ethyl Ketone
Di-isopropyl Ketone
Methyl Acetone
Methyl Isobutyl Ketone

PLASTICIZERS

Adipol 10A (Di-iso-octyl Adipate)
Dibutyl Phthalate
Diethyl Phthalate
Dimethyl Phthalate
D.I.O.P. (Di-iso-octyl Phthalate)
Butyl Stearate
Dinopol (Di n-Octyl Phthalate)
Dioctyl Phthalate (Di 2-ethyl Hexyl Phthalate)
Dicarbitol Phthalate (Diethylene Glycol Monoethyl Ether)
Ethox (Diethoxy Ethyl Phthalate)
Kapsol (Methoxy Ethyl Oleate)
Kronisol (Dibutoxy Ethyl Phthalate)
Kronitex AA (Tricresyl Phosphate)
Methox (Dimethoxy Ethyl Phthalate)
Ohopex Q-10 (Fatty, Phthalic Acid Esters)
Adipol-BCA (Di-Butoxy Ethyl Adipate)
Adipol 2EH (Di 2-ethylhexyl Adipate)
KP-23 (Butoxy Ethyl Stearate)
KP-70 (Fatty, Phthalic Acid Esters)
KP-120 (Methoxy Ethyl Acetyl Ricinoleate)
KP-140 (Tributoxy Ethyl Phosphate)
KP-150 (Fatty, Phthalic Acid Esters)

PETROLEUM SOLVENTS

Aromatic Solvents
Rubber Solvent
Lacquer Diluents
Mineral Spirits
Hexane
Heptane
Stoddard Solvents
V.M.P. Naphtha

SOLUTIONS

Nitro Cellulose—Film Solutions
Nitro-Cellulose—Cotton Solutions
Vinyl Resin Solutions

SOLVENTS, DRY-CLEANING

Products used to extract dirt, grease, grime, certain stains, etc., from articles in dry-cleaning establishments. Various types are employed, including coal-tar solvents, the chlorinated solvents, petroleum solvents (particularly Stoddard Solvent) proprietary compounds, etc. General considerations include solvent power, rate of penetration, ease of separation from extracted matter, adaptability to dry-cleaning equipment, economical recovery, stability, toxicity, and flammability. See also Naphtha, Benzol, Carbon Tetrachloride, Trichlorethylene, Stoddard Solvent, etc.

*Aceto Chem Co, 82 Beaver St, N Y 5
American Firstoline Corp, 420 Lexington Ave, N Y
American Mineral Spirits Co, 555 S Flower St, Los Angeles, Cal
*American Mineral Spirits Co, 155 E 44 St, N Y 17
*Atlantic Refining Co, 260 S Broad St, Phila, Pa
Barclay Chem Co, 75 Varick St, N Y
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
John A Chew, 60 E 42 St, N Y 17
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
Detrex Corp, 14331 Woodrow Wilson Ave, Detroit 32, Mich
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Finger Lakes Chem Co, Etna, N Y
Wm S Gray & Co, 342 Madison Ave, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
*Shell Chem Corp, 50 W 50 St, N Y 20
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

HERCULES



SOLVENTS

A series of highly refined terpene hydrocarbons: Solvenol*, Dipentene 122*, Pinene.



*Reg. U. S. Pat. Off.

GM51-1

HERCULES POWDER COMPANY
978 Market St., Wilmington, Del.

*Company classifies itself as manufacturer or producer of this product

SOLVENTS, DRUG EXTRACTING

*Aceto Chem Co, 82 Beaver St, N Y 5
*American Mineral Spirits Co, 155 E 44 St, N Y 17
Barclay Chem Co, 75 Varick St, N Y
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y 16
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Electrochem Dept & Grasselli Chem Dept, Wilmington 98, Del
Wm S Gray & Co, 342 Madison Ave, N Y 17
International Selling Corp, 70 Pine St, N Y 5
Lac Chem, 8512 Hays St, Culver City, Cal
Merchants Chem Co, 60 E 42 St, N Y 17
*Sharples Chem, 123 S Broad St, Phila 9, Pa
*Shell Chem Corp, 50 W 50 St, N Y 20
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*U S Industrial Chem, 60 E 42 St, N Y
West Coast Chem & Solvents Corp, 8512 Hays St, Culver City, Cal
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

SOLVENTS, DYE

*Aceto Chem Co, 82 Beaver St, N Y 5
Antara Products Div, 435 Hudson St, N Y 14
Barclay Chem Co, 75 Varick St, N Y
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y 16
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*E I Du Pont de Nemours & Co, Electrochem Dept & Grasselli Chem Dept, Wilmington 98, Del
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Shell Chem Corp, 50 W 50 St, N Y 20

SOLVENTS, ETHYL CELLULOSE

Ethylcellulose films of max. tensile strength and elongation are obtained from alcohol-hydrocarbon solvents formulated in such a way that the last solvent to evaporate from the film consists almost entirely of hydrocarbon. If the evaporation rates of the alcohol and of the hydrocarbon are approx. equal, the solvent mixture producing the lowest viscosity also produces the best films. The hydrocarbons that can be used alone with alcohols are aromatic hydrocarbons, hydrogenated naphthas, or high solvency naphthas. Naphthas from paraffin crudes give the best results when used with a small proportion of

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SOLVENTS
PLASTICIZERS
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•
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•
WASTE SOLVENTS
Purchased or Reprocessed

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82 BEAVER ST., New York 5, N.Y.
Digby 4-9760

SOLVENTS

ALCOHOLS

Methanol
Ethanol
Isopropanol
Normal Butanol
Isobutanol
Methyl Amyl Alcohol

KETONES

Acetone
Methyl Acetone
Methyl Ethyl Ketone
Methyl Isobutyl Ketone
Di Acetone
Di Isobutyl Ketone
Isophorone

ESTERS

Methyl Acetate
Ethyl Acetate
Isopropyl Acetate
Normal Butyl Acetate
Methyl Amyl Acetate

PLASTICIZERS

Dimethyl Phthalate
Diethyl Phthalate
Tricresyl Phosphate
Dibutyl Phthalate

AROMATIC SOLVENTS

Benzol
Toluol
Xylol
Super Hi Flash Naphtha
"Amsco-Solvs"

ALIPHATIC NAPHTHAS

Petroleum Ethers
Hexane, Heptane
Laquer Diluent
V M & P Naphtha
Mineral Spirits
Odorless Solvents
Special Fractions

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Propylene Dichloride
Carbon Tetrachloride
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Perchlorethylene

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*Company classifies itself as manufacturer or producer of this product

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LACQUER SOLVENTS

KETONES

Acetone
Diacetone Alcohol
Methyl Ethyl Ketone
Methyl Isobutyl Ketone
Mesityl Oxide

ALCOHOLS

Ethyl Alcohol
Isopropyl Alcohol
Methyl Isobutyl Carbinol
Neosol® — a proprietary solvent
Secondary Butyl Alcohol

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SOLVENTS

Acetone
Diacetone Alcohol
Ethyl Alcohol
Hexylene Glycol
Isopropyl Alcohol
Isopropyl Ether
Mesityl Oxide
Methyl Ethyl Ketone
Methyl Isobutyl Carbinol
Methyl Isobutyl Ketone
Neosol*—a proprietary solvent
Secondary Butyl Alcohol
Tertiary Butyl Alcohol

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SOLVENTS, ETHYL CELLULOSE, continued

aromatic hydrocarbon. Solvents consisting of hydrocarbons and aliphatic ketones or esters have higher viscosities than those produced by the use of alcohols, but large amounts of ketones or esters can be used without lowering the film properties. Kauppi and Bass, Industrial & Engineering Chemistry, Vol. 30. No. 1, p. 74.

*Aceto Chem Co, 82 Beaver St, N Y 5
American Mineral Spirits Co, 155 E 44 St, N Y 17
Barclay Chem Co, 75 Varick St, N Y
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Celanese Corp of America, 180 Madison Ave, N Y 16
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Shell Chem Corp, 50 W 50 St, N Y 20
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*U S Industrial Chem, 60 E 42 St, N Y

SOLVENTS, FATS AND OILS

*Aceto Chem Co, 82 Beaver St, N Y 5
American Minerals Spirits Co, 555 S Flower St, Los Angeles, Cal
*American Mineral Spirits Co, 155 E 44 St, N Y 17
Barclay Chem Co, 75 Varick St, N Y
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 16
*Celanese Corp of America, 180 Madison Ave, N Y 16
*Commercial Solvents Corp, 17 E 42 St, N Y 17
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Merchants Chem Co, 60 E 42 St, N Y 17
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
*Shell Chem Corp, 50 W 50 St, N Y 20
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Superior Chem Works, 2528 Garland Ave, Louisville, Ky

SOLVENTS, HIGH FLASH

*Aceto Chem Co, 82 Beaver St, N Y 5
*American Mineral Spirits Co, 155 E 44 St, N Y 17
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
S H Bell Co, 1514 Oliver Bldg, Pittsburgh 22, Pa

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SOLVENTS, HIGH FLASH, continued

Bridge Chem Co, 2525 W Madison St, Chicago, Ill
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Fine Organics, 211 E 19 St, N Y 3
*Flexoid Products, 170 Summer St, Boston, Mass
Harwick Standard Chem Co, 60 S Seiberling St, Akron, 5, Ohio
*Mathieson Hydrocarbon Chem Corp, Mathieson Bldg, Baltimore 3, Md
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

SOLVENTS, INK

*Aceto Chem Co, 82 Beaver St, N Y 5
*American Mineral Spirits Co, 155 E 44 St, N Y 17
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y 16
*Commercial Solvents Corp, 17 E 42 St, N Y 17
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*E I Du Pont de Nemours & Co, Electrochem Dept & Grasselli Chem Dept, Wilmington 98, Del
*Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Industrial Chem Specialties Co, P O Box 456, Baytown, Tex
*Kendall Refining Co, 77 N Kendall Ave, Bradford, Pa
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
McKesson & Robbins, 155 E 44 St, N Y 17
*Mifflin Chem Co, Delaware Ave & Mifflin St, Phila 48, Pa
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
*Shell Chem Corp, 50 W 50 St, N Y 20
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

SOLVENTS, LACQUER

*Aceto Chem Co, 82 Beaver St, N Y 5
American Mineral Spirits Co, 155 E 44 St, N Y 17
Amsco Solvents & Chem Co, 4619 Reading Rd, Cincinnati 29, Ohio
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Buffalo Solvents & Chem Corp, Box 73, Sta B, Buffalo 7, N Y
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y 16
Cole Labs, 42-25 9 St, L I C 1, N Y
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Dagmar Chem Co, P O Box 343, Glenbrook, Conn
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Wm S Gray & Co, 342 Madison Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Howe & French, Mfg Dept, E Weymouth, Mass
Kingston Chem Co, 15 William St, N Y 5
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Mifflin Chem Co, Delaware Ave & Mifflin St, Phila 48, Pa
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
Plastichemicals Co, 1 Beekman St, N Y 38
*Scholle Chem Corp, 6641 Ridge Ave, Chicago 26, Ill
*Sharples Chem, 123 S Broad St, Phila 9, Pa
*Shell Chem Corp, 50 W 50 St, N Y 20
J W Stark Co, 804 New Center Bldg, Detroit 2, Mich
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Tennessee Eastman Co, 10 E 40 St, N Y 16
Texas Solvents & Chem Co, 8501 Market St, Houston 5, Tex
*United Distillers of America, 350 5 Ave, N Y 1
*U S Industrial Chem, 60 E 42 St, N Y
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

SOLVENTS, METAL DEGREASING

Various coal-tar and petroleum solvents have long been used by the manufacturers of small metal parts for degreasing before finishing. Within the past few years vapor-phase degreasing has been introduced in larger units, requiring solvents with low-boiling points, low fire and health hazards. Most often used are low-boiling chlorinated solvents, such as trichlorethylene, ethylene dichloride, carbon tetrachloride, or mixtures of these of other products.

*Aceto Chem Co, 82 Beaver St, N Y 5
American Firstoline Corp, 420 Lexington Ave, N Y
*American Mineral Spirits Co, 155 E 44 St, N Y 17
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
Barclay Chem Co, 75 Varick St, N Y

U.S.I. SOLVENTS AND CHEMICALS

ALCOHOLS
(See Alcohol for complete listing)
Amyl Alcohol
n-Amyl Alcohol
Butanol (Normal Butyl Alcohol)
Fusel Oil—Refined
Isobutyl Alcohol
n-Propyl Alcohol

***ANSOLS**
*Ansol M
*Ansol PR

ACETIC ESTERS
Amyl Acetate
Butyl Acetate, Normal
Ethyl Acetate
Propyl Acetate, Normal

ACIDS
Acetic
Propionic

OXALIC ESTERS
Dibutyl Oxalate
Diethyl Oxalate

PHTHALIC ESTERS
Diamyl Phthalate
Dibutyl Phthalate
Diethyl Phthalate
Dimethyl Phthalate

ALDEHYDES
Acetaldehyde
Propionaldehyde

KETONES
Acetone
Methyl Ethyl Ketone
Methyl n-Propyl Ketone

RESINS
Synthetics:
*Arochem—modified phenolics, maleics, and other condensates
*Arodure—urea-formaldehyde resins
*Arofene—pure phenolics
*Aroflat—for special flat finishes
†Aroflint—room temperature curing phenolic
*Aroplaz—alkyds and allied materials
†Aropol—copolymer modified alkyds
Ester Gums—all types
Congo Gum—fused and esterified
Natural Resins:
All standard grades

INTERMEDIATES
Acetoacetanilide
Acetoacet-ortho-chloroanilide
Acetoacet-ortho-toluidide
Other Acetoacetarylides
Ethyl Acetoacetate
Ethyl Benzoylacetate
Ethyl Sodium Oxalacetate

ETHERS
Ethyl Ether, U.S.P.
Ethyl Ether, Absolute, A.C.S.

FEED CONCENTRATES
*Curbay B-G
Methionine (Feed Grade)
Riboflavin Products
*Special Liquid Curbay
*Vacatone 40
Vitamin B_{12} and Antibiotic Feed Supplements

INSECTICIDE INTERMEDIATES
CPR Concentrates
Piperonyl Butoxide
Piperonyl Cyclonene
*Pyrenone
Pyrethrum
Rotenone

INSECT REPELLENTS
*Indalone
Triple Mix Repellents

OTHER PRODUCTS
Collodions
Ethylene
DL-Methionine
Nitrocellulose Solutions
Urethan, U.S.P.
*PiB Liquid Insulation
*Super Pyro Anti-Freeze
U.S.I. Permanent Anti-Freeze

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4. Perchloroethylene

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SOLVENTS, METAL DEGREASING, continued

*Barco Chem Products Co, 701 S LaSalle St, Chicago, Ill
*Barrett Div, 40 Rector St, N Y 6
Buffalo Solvents & Chem Corp, Box 73, Sta B, Buffalo 7, N Y
C P Chem Solvents, 60 Park Pl, Newark 2, N J
Chemsol Inc, 70 Prince St, Elizabeth 3, N J
John A Chew, 60 E 42 St, N Y 17
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
Conn Metalcraft, 442 Elm St, New Haven 2, Conn
Crescent Chem Corp, 450 Market St, Perth Amboy, N J
*Curran Corp, 5 Canal St, Lawrence, Mass
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Detrex Corp, P O Box 501, Detroit 32, Mich
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Donald Sales & Mfg Co, 6601 W State St, Milwaukee 13, Wis
*E F Drew & Co, 15 E 26 St, N Y 10
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Dyechem Products Corp, 60 Broad St, N Y 4
Alex C Fergusson Co, 44 E Oregon Ave, Phila 48, Pa
*Fidelity Chem Products Corp, 470 Frelinghuysen Ave, Newark, N J
*Fine Organics, 211 E 19 St, N Y 3
Wm S Gray & Co, 342 Madison Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Ideal Chem & Supply Co, P O Box 5597, Memphis 4, Tenn
International Selling Corp, 70 Pine St, N Y 5
*Magnuson Products Corp, 50 Court St, Bklyn 2, N Y
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
Merchants Chem Co, 60 E 42 St, N Y 17
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Nu-Steel Co, 1714 S Ashland Ave, Chicago 8, Ill
*Oakite Products, 46B Thames St, N Y 6
*Pan American Refining Corp, 122 E 42 St, N Y 17
*Park Chem Co, 8074 Military Ave, Detroit, Mich
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
Philipp Bros Chem, 37 Wall St, N Y
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
*Sharples Chem, 123 S Broad St, Phila 9, Pa
*Shell Chem Corp, 50 W 50 St, N Y 20
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
Sunnyside Oil Co, 2212 W Sunnyside Ave, Chicago 25, Ill
Texas Solvents & Chem Co, 8501 Market St, Houston 5, Tex
*Turco Products, P O Box 2649 Terminal Annex, Los Angeles 54, Cal
*Utility Chem Co, 145 Peel St, Paterson 4, N J
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

SOLVENTS, NITROCELLULOSE

*Aceto Chem Co, 82 Beaver St, N Y 5
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Mineral Spirits Co, 155 E 44 St, N Y 17
W W Angus, 220 Broadway, N Y
Barclay Chem Co, 75 Varick St, N Y
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y 16
*Commercial Solvents Corp, 17 E 42 St, N Y 17
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Kingston Chem Co, 15 William St, N Y 5
Lac Chem, 8512 Hays St, Culver City, Cal
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
Philipp Bros Chem, 37 Wall St, N Y
*Sharples Chem, 123 S Broad St, Phila 9, Pa
*Shell Chem Corp, 50 W 50 St, N Y 20
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Tennessee Eastman Co, 10 E 40 St, N Y 16
*U S Industrial Chem, 60 E 42 St, N Y
West Coast Chem & Solvents Corp, 8512 Hays St, Culver City, Cal

SOLVENTS, PAINT

*Aceto Chem Co, 82 Beaver St, N Y 5
American Mineral Spirits Co, 555 S Flower St, Los Angeles, Cal
*American Mineral Spirits Co, 155 E 44 St, N Y 17
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6

*Company classifies itself as manufacturer or producer of this product

SOLVENTS, PAINT, continued

C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Impervious Paint & Varnish Co, 1672 Kinsey St, Phila 24, Pa
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Newport Industries, 230 Park Ave, N Y 17
*Pan American Refining Corp, 122 E 42 St, N Y 17
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
Phillipp Bros Chem, 37 Wall St, N Y
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
*Shell Chem Corp, 50 W 50 St, N Y 20
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y

SOLVENTS, PETROLEUM

Petroleum hydrocarbons derived by fractional distillation of crude petroleum are marketed with definite characteristics (usually distillation range as most important) for specific trade use. See Naphthas, Straight Run; Naphthas, Aromatic; Diluents, Lacquer; Solvents, Lacquers; Solvents, Rubber. See also Pentane, Hexane, Heptane, Petroleum Ether, Stoddard Solvent, etc.

*Aceto Chem Co, 82 Beaver St, N Y 5
Allied Raw Materials, 38 Park Row, N Y 7
*American Mineral Spirits Co, 155 E 44 St, N Y 17
Barclay Chem Co, 75 Varick St, N Y
S H Bell Co, 1514 Oliver Bldg, Pittsburgh 22, Pa
Bergstrom Trading Co, 233 Broadway, N Y
Buffalo Solvents & Chem Corp, Box 73, Sta B, Buffalo 7, N Y
C P Chem Solvents, 60 Park Pl, Newark 2, N J
Central Solvents & Chem Co, 2545 W Congress St, Chicago 12, Ill
Cole Labs, 42-25 9 St, L I C 1, N Y
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Flexoid Products, 170 Summer St, Boston, Mass
*Gulf Refining Co, 722 Gulf Bldg, Pittsburgh 30, Pa
J W Guthrie Co, 725 2 St, San Francisco 7, Cal
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Kendall Refining Co, 77 N Kendall Ave, Bradford, Pa
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
McKesson & Robbins, 155 E 44 St, N Y 17
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
Ohio Solvents & Chem Co, 3470 W 140 St, Cleveland 11, Ohio
*Pan American Refining Corp, 122 E 42 St, N Y 17
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
*Pennsylvania Refining Co, Butler, Pa
Petroleum By-Products & Chem Co, 15 Whitehall St, N Y 4
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
B Rauschkolb & Co, 225 W 34 St, N Y 1
Republic Chem Corp, 94 Beekman St, N Y 38
*Shell Chem Corp, 50 W 50 St, N Y 20
*Sinclair Refining Corp, 600 5 Ave, N Y 18
*Solvents Recovery Service, 101 Central Ave, Westfield, N J
Stoney-Mueller, Page & Newark Ave, Lyndhust, N J
*Tide Water Associated Oil Co, 79 New Montgomery St, San Francisco 20, Cal
*Union Oil Co of Cal, 617 W 7 St, Los Angeles 17, Cal

SOLVENTS, RUBBER

*Aceto Chem Co, 82 Beaver St, N Y 5
American Mineral Spirits Co, 555 S Flower St, Los Angeles, Cal
*American Mineral Spirits Co, 155 E 44 St, N Y 17
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y 16
John A Chew, 60 E 42 St, N Y 17
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
Kingston Chem Co, 15 William St, N Y 5
Lac Chem, 8512 Hays St, Culver City, Cal
McKesson & Robbins, 155 E 44 St, N Y 17

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USP Petrolatum White Mineral Oil	Specialized Industrial Adhesives & Cements
Gums & Waxes	

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water-soluble hexahydric alcohol for CONDITIONING —for SYNTHESIS

SORBO® (D-sorbitol solution)—70% aqueous solution of highest purity. For moisture-conditioning and synthesis.

ARLEX® (Atlas commercial sorbitol solution)—Contains related polyhydric materials which make it non-crystallizing. For conditioning, flexibilizing.

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METHYL ISOBUTYL KETONE
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BENZOL TOLUOL

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Cables: JOMBAIRD

147 NASSAU STREET, NEW YORK 38, N. Y. WOrth 4-0952

SOLVENTS, RUBBER, continued

*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
*Sharples Chem, 123 S Broad St, Phila 9, Pa
*Shell Chem Corp, 50 W 50 St, N Y 20
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Van Cleef Bros, 7800 Woodlawn Ave, Chicago 19, Ill
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y
West Coast Chem & Solvents Corp, 8512 Hays St, Culver City, Cal

SOLVENTS, SHELLAC

*Aceto Chem Co, 82 Beaver St, N Y 5
American Mineral Spirits Co, 155 E 44 St, N Y 17
Barclay Chem Co, 75 Varick St, N Y
Buffalo Solvents & Chem Corp, Box 73, Sta B, Buffalo 7, N Y
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y 16
*Commercial Solvents Corp, 17 E 42 St, N Y 17
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*E I Du Pont de Nemours & Co, Electrochem Dept & Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
Wm S Gray & Co, 342 Madison Ave, N Y 17
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Impervious Paint & Varnish Co, 1672 Kinsey St, Phila 24, Pa
Lac Chem, 8512 Hays St, Culver City, Cal
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Shell Chem Corp, 50 W 50 St, N Y 20
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*United Distillers of America, 350 5 Ave, N Y 1
U S Industrial Chem, 60 E 42 St, N Y
West Coast Chem & Solvents Corp, 8512 Hays St, Culver City, Cal
H M Wocher & Son Co, 1223 N 26 St, Phila, Pa

SOLVENTS, TERPENE

*Aceto Chem Co, 82 Beaver St, N Y 5
Barclay Chem Co, 75 Varick St, N Y
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Newport Industries, 230 Park Ave, N Y 17
Wm B Tabler Co, 1612 Heyburn Bldg, Louisville, Ky

SOLVENTS, VARNISH

*Aceto Chem Co, 82 Beaver St, N Y 5
American Mineral Spirits Co, 555 S Flower St, Los Angeles, Cal
*American Mineral Spirits Co, 155 E 44 St, N Y 17
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Co, 30 E 42 St, N Y 17
*Celanese Corp of America, 180 Madison Ave, N Y 16
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*E I Du Pont de Nemours & Co, Electrochem Dept & Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
*Pan American Refining Corp, 122 E 42 St, N Y 17
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
*Shell Chem Corp, 50 W 50 St, N Y 20
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
Washine-National Sands, 37-02 Northern Blvd, L I C 1, N Y

SOOT ERADICATOR

*Ampion Corp, 4-88 47 Ave, L I C 1, N Y
Dacar Chem Products Co, Dacar Bldg, Pittsburgh, Pa
Hyde & Bates, 17 John St, N Y 38

SOOT, ERADICATOR, continued

*King Chem Co, 31 New Haven Railroad St, Mt Vernon, N Y
Perolin Co, 10 E 40 St, N Y 16
*State Mfg Co, 3545 E 76 St, Cleveland, Ohio
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Wasco Engrg Corp, 601 W 26 St, N Y 1

SORBIDE (Dianhydro Sorbitol)

$C_6H_8O_2(OH)_2$. A non-toxic dihydric alcohol cyclic inner ether. Pure cryst. melts at 62°C. B.P. 176.5°C at 10 mm. Commercial grade is an 83% aqueous solution of pH=5, viscosity 150-130 cp. at 25°C. Hygroscopic. Sol. water, lower alcohols, ethylene glycol, cellosolve, pyridine; insol. most other solvents. Uses—conditioning agent of low viscosity and narrow humectant range; in medicine; derivatives mfr. Grades—commercial solution.

*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del

SORBIDES see Sorbitol Esters

SORBITAN (Monoanhydro Sorbitol)

$C_6H_8O(OH)_4$. A non-toxic tetrahydric alcohol cyclic inner ether. Cryst. are white, odorless, sweet with bitter after-taste. M.P. 110-111°C. Commercial grade is an 83% aqueous solution of pH=5, viscosity 500-900 cp. at 25°C. Sol. water, lower alcohols, ethylene glycol cellosolve and pyridine; insol. most other solvents. Uses—conditioning agent of lower viscosity and greater solubility than sorbitol, but with same narrow humectant range. Grades—cryst.; commercial.

*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del

SORBITAN ESTERS

*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del

d-SORBITE see Sorbitol

SORBITOL (d-Sorbite)

$C_6H_8(OH)_6$. Hexahydric alcohol, isomeric with mannitol. M.W. 182.1. White, odorless, crystalline powd., of sweet, cooling taste. M.P. 97.2°C. Sol. water, methyl alcohol, aliphatic amines, glacial acetic acid; insol. other organic solvents. Uses—sorbose and ascorbic acid synthesis; plastics; medicine; pharmacy; diabetic foods (sweetening); confectionery; soft drinks; emulsions; cosmetics; soaps; dentrifices; tobacco; water colors; inks; embalming fluids; textiles; leathers; shoe dressings; paper sizing; gaskets; cork binders; printers' rollers; bookbinding glues; vegetable adhesives; gelatin capsules; etc. Derivatives include emulsifiers, softeners, plasticizers, stiffeners and hardeners, etc. Grades—crystalline; tech. (75% aqueous solution for reagent and synthetic use); commercial (non-crystallizing 83% "syrup," for industrial usage).

American Roland Corp, 16 Hudson St, N Y
Amplex Co, 60 Wall St, N Y
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
Barclay Chem Co, 75 Varick St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
Scher Bros, 519 Getty Ave, Clifton, N J

SORBITOL ESTERS (Sorbitan, Sorbides, etc.)

Derivatives of sorbitol, a hexahydric alcohol, and acids; includes true sorbitol esters, such as the hexaacetates, naphthenates, borates, and esters of the anhydo sorbitols, such as sorbitan monolaurate, sorbide monostearate. Products find use in mfr. plastics, resins and resinous materials (ester gums, etc.) for the paint, varnish, lacquer and paper coating industries, etc., cosmetics, pharmaceuticals, industrial emulsions, etc. See also Fatty Acid Esters.

*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
Bendix Chem Corp, 420 Lexington Ave, N Y

SORENSEN'S PHOSPHATE see Sodium Phosphate, Tri-Sodium

SOURS, LAUNDRY

Compounds employed to neutralize the alkali which the water used for rinsing may contain. Good practice does not countenance the use of sours for neutralizing laundry sodas, soap, or bleach, except such traces as cannot be removed by thorough rinsing. Acetic and oxalic acids are used, but in recent years, specially compounded products, usually containing sodium silicofluoride, have been offered whose action is less harsh and more easily controlled.

*Croton Chem Corp, 114 Liberty St, N Y 6
*Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
*Fiber Chem Corp, Box 218, Matawan, N J
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Hachik Bleach Co, 50 & Wynnefield Ave, Phila, Pa
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Kem Labs, 101 E 144 St, Bronx 51, N Y
*H Kohnstamm & Co, 83 Park Pl, N Y 7
Merchants Chem Co, 60 E 42 St, N Y 17
*Michel & Pelton Co, 5743 Landregan St, Oakland 8, Cal
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Utility Chem Co, 145 Peel St, Paterson 4, N J
Welch, Holme & Clark Co, 439 West St, N Y 14

SOYBEAN FLOUR

Refined flour made from soya bean. Uses—food preps.; sausage filler; health products, etc.

Bergstorm Trading Co, 233 Broadway, N Y
*Glidden Co, 5165 W Moffat, Chicago 39, Ill
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
Snow & Co, 3039 E 12 St, Los Angeles, Cal
*Soya Products Div, 1825 N Laramie Ave, Chicago 39, Ill
Welch, Holme & Clark Co, 439 West St, N Y 14

SOYBEAN MEAL AND CAKE

Cake residue from soybean oil production. Uses—as live stock feed.

Bergstrom Trading Co, 233 Broadway, N Y
*Gen Mills, Chem Div, 400 2 Ave S, Minneapolis, Minn
*Glidden Co, 5165 W Moffat, Chicago 39, Ill
*Iowa Soya Co, Redfield, Iowa
Joseph C Jett, Board of Trade Bldg, Norfolk 1, Va
*Pacific Vegetable Oil Corp, 62 Townsend St, San Francisco 7, Cal
Snow & Co, 3039 E 12 St, Los Angeles, Cal
*Soya Products Div, 1825 N Laramie Ave, Chicago 39, Ill
*A E Staley Mfg Co, Decatur, Ill
*Suffolk Oil Mill, P O Box 736, Suffolk, Va

SPANISH OXIDE see Iron Oxide, Red

SPANISH WHITE see Bismuth Subnitrate

SPANISH WHITING see Calcium Carbonate

SPIRIT OF WINE see Alcohol, Ethyl

SPIRITS OF HARTSHORN see Ammonia Aqua

SPIRITS, MINERAL

Colorless liq., sweet, pleasant odor. Sp. gr. 0.770-0.800. B.R. 90% below 200°C. Flash Point 86°-105°F. Refractive Index 1.42. Grades—tech. Uses—paint and varnish (solvent, thinner, turpentine substitute).

American-British Chem Supplies, 180 Madison Ave, N Y
American Mineral Spirits Co, 555 S Flower St, Los Angeles, Cal
Bergstrom Trading Co, 233 Broadway, N Y
C P Chem Solvents, 60 Park Pl, Newark 2, N J
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Kuhne-Libby Co, 54 Front St, N Y 4
Petroleum By-Products & Chem Co, 15 Whitehall St, N Y 4
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

SPOT-PROOFING COMPOUNDS

American Firstoline Corp, 420 Lexington Ave, N Y
Antara Products Div, 435 Hudson St, N Y 14
*Ciba Co, 627 Greenwich St, N Y 14
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Warwick Chem Co Div, Wood River Junction, R I

WITCO STABILIZERS FOR VINYL RESINS

WITCO LEAD STEARATES #30, #50 (precipitated)
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WITCO BARIUM STEARATE
WITCO CALCIUM STEARATE

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SPRAY BASES, AGRICULTURAL

American Firstoline Corp, 420 Lexington Ave, N Y
*Atlantic Refining Co, 260 S Broad St, Phila, Pa
*Chem Insecticide Corp, 57 13 St, Bklyn 15, N Y
*Geigy Co, 89 Barclay St, N Y 8
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
Nash Chem Co, Box 596, Belle Glade, Fla
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
*Shell Chem Corp, 50 W 50 St, N Y 20
Thompson-Hayward Chem Co, 36 N Guthrie, Tulsa, Okla
*U S Industrial Chem, 60 E 42 St, N Y

SPRAY BASES, CATTLE

*Chem Insecticide Corp, 57 13 St, Bklyn 15, N Y
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Geigy Co, 89 Barclay St, N Y 8
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
*Shell Corp, 50 W 50 St, N Y 20
*U S Industrial Chem, 60 E 42 St, N Y

SPRAY BASES, FLY

*Chem Insecticide Corp, 57 13 St, Bklyn 15, N Y
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Geigy Co, 89 Barclay St, N Y 8
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Pennsylvania Refining Co, Butler, Pa
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
*Riley Bros, 209 N Main St, Burlington, Iowa
*Shell Chem Corp, 50 W 50 St, N Y 20
*U S Industrial Chem, 60 E 42 St, N Y

SPREADERS, AGRICULTURAL SPRAY

*A Adler & Son, 1041 Front St, Phila 23, Pa
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Geigy Co, 89 Barclay St, N Y 8

SPREADERS, AGRICULTURAL SPRAY, continued

*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

SPRUCE EXTRACT

Extract obtained from the Spruce tree. Uses—in tanning of leather. Grades—liq.; powd.

Harvey J Boutin & Son, 7 Front St, San Francisco 11, Cal
Arthur C Trask Co, 4103 S LaSalle St, Chicago 9, Ill

STABILIZERS (Polyvinyl Chloride Resins)

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Argus Chem Lab, 56 Clifton Pl, Bklyn 5, N Y
*Baker Castor Oil Co, 120 Broadway, N Y 5
Barclay Chem Co, 75 Varick St, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Deecy Products Co, 120 Potter St, Cambridge 42, Mass
*Dow Chem Co, Midland, Mich
*Firestone Tire & Rubber Co, P O Box 690, Pottstown, Pa
*General Magnesite & Magnesia Co, Plymouth Meeting, Pa
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
*Mathe Chem Co, 169 Milbank St, Lodi, N J
*Stabelan Chem Co, P O Box 665, Toledo 1, Ohio
*Victor Chem Works, 141 Jackson Blvd, Chicago 4, Ill
*Witco Chem Co, 295 Madison Ave, N Y 17

STABILIZERS, HEAT RESISTANT

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Argus Chem Lab, 56 Clifton Pl, Bklyn 5, N Y
*Baker Castor Oil Co, 120 Broadway, N Y 5
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Deecy Products Co, 120 Potter St, Cambridge 42, Mass
*Dow Chem Co, Midland, Mich
Harwick Standard Chem Co, 60 S Selberling St, Akron, Ohio
J A Kendall, 714 Second National Bldg, Akron 8, Ohio
*Stabelan Chem Co, P O Box 665, Toledo 1, Ohio

STABILIZERS, LIGHT RESISTANT

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20

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Stabilizers for Water-Thinned Paints. Body and viscosity improved before and after thinning.

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STABILIZERS, LIGHT RESISTANT, continued

*Argus Chem Lab, 56 Clifton Pl, Bklyn 5, N Y
*Baker Castor Oil Co, 120 Broadway, N Y 5
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Deecy Products Co, 120 Potter St, Cambridge 42, Mass
*Dow Chem Co, Midland, Mich
Harwick Standard Chem, Co, 60 S Seiberling St, Akron, Ohio
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
J A Kendall, 714 Second National Bldg, Akron 8, Ohio
Monarch Chem Works, 22 & Ave H, Omaha, Neb
*Stabelan Chem Co, P O Box 665, Toledo 1, Ohio
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

STABILIZERS, Vegetable

Phenix-Pabst-Ett Co, 460 E Illinois St, Chicago 77
Sindar Corp, 330 W 42 St, N Y 18

STAINS, BIOLOGICAL

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa
Howe & French, Mfg Dept, E Weymouth, Mass
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*E Matchlett & Son, 222 E 23 St, N Y 10
*National Aniline Div, 40 Rector St, N Y 6

STAINS, BODY and SLIP, CERAMIC

*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Mason Color & Chem Works, 206 Broadway, E Liverpool, Ohio

STAINS, WOOD

*V J Dolan & Co, 1830 N Laramie Ave, Chicago 39, Ill
*Grand Rapids Wood Finishing Co, 53-71 Grandmille Ave S W, Grand Rapids 2, Mich
*L Hemmerdinger & Co, 424 E 123 St, N Y 35
*Monsanto Chem Co, Western Div, 421 S W 6 Ave, Portland, Ore
*National Aniline Div, 40 Rector St, N Y 6
*Reliance Varnish Co, 4730 Crittenden Dr, Louisville 9, Ky
*Murray Williams Color & Chem Co, 353 Boyden Ave, Maplewood, N J
*Sherwin-Williams Co, 100 Park Ave, N Y 17

STANNOUS FLUOBORATE see Tin Fluoborate

STARCH, CORN (Amylum Maranta)

$(C_6H_{10}O_5)n$. White, amorp. granules. Sp. gr. 1.499-1.513. Does not melt. Decomp. and burns when heated. Insol. Jellies with hot water. Uses—see Starch, Potato. Grades—powdered, pearl; tech.; edible; U.S.P.; laundry.

American Firstoline Corp, 420 Lexington Ave, N Y
*American Maize Products Co, 100 E 42 St, N Y 17
Arabol Mfg Co, 110 E 42 St, N Y 17
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
*Clinton Foods, Clinton, Iowa
Conray Products, 510 6 Ave, N Y 11
Consumers Products Co, 99 Hudson St, N Y 13
*Corn Products Refg Co, 17 Battery Pl, N Y 4
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Mutchler Chem Co, 258 Broadway, N Y 7
*Penick & Ford, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Stein, Hall & Co, 285 Madison Ave, N Y 17
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*A E Staley Mfg Co, Decatur, Ill
O J Weeks Co, 16 Hudson St, N Y 13
Welch, Holme & Clark Co, 439 West St, N Y 14

STARCH IMPROVERS

*Atlas Powder Co, 9 & Market St, Wilmington 99, Del
*Ciba Co, 627 Greenwich St, N Y 14
Paisley Products, 630 W 51 St, N Y 19
Stein, Hall & Co, 285 Madison Ave, N Y 17

STARCH, POTATO

$(C_6H_{10}O_5)n$. White, amorp. powd. Uses—mfr. cold water glues, various adhesives, dextrin, chemical products, nitro-starch explosives, dynamites, face powd., cosmetics, toilet articles, glucose, malt sugar, caramel, distilled liquors, cattle foods, starch glazes, soap, colloidal and perfume preps.; as basic foodstuff; for culinary purposes; in food preps., cocoas, chocolates, sausages, sweetmeats, sauces, baked products, ice-cream, confection-

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Finest grade of domestic white Potato Starch . . highest analyses . . uniform quality. Ideal for all food, technical, industrial uses. Write for full description, uses. Tell us about your needs.

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*Company classifies itself as manufacturer or producer of this product

STARCH, POTATO, continued

ery, candies; pastries; thickener in making dyeing and printing positions for textiles; sizing and finishing textiles; sizing paper; laboratory reagent; bookbinding; in laundries; in medicine. Grades—domestic; imported.

American Firstoline Corp, 420 Lexington Ave, N Y
Arabol Mfg Co, 110 E 42 St, N Y 17
Arnold, Hoffman & Co, 55 Canal St, Providence, R I
J T Baker Chem Co, Phillipsburg, N J
Chem Advance Corp, 1345 Arch St, Phila, Pa
Oskar Eismann, 6059 71 St, Maspeth, L I, N Y
*Morningstar Nicol, 630 W 51 St, N Y 19
Paisley Products, 630 W 51 St, N Y 19
Republic Chem Corp, 94 Beekman St, N Y 38
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Stein, Hall & Co, 285 Madison Ave, N Y 17
Welch, Holme & Clark Co, 439 West St, N Y 14

STARCH, RICE

Starch obtained from rice plant. Uses—mfr. food preps., baked products, vegetarian foods, baking powd.; textile sizing and finishing. Grades—tech. (Oryza Sativa).

Barclay Chem Co, 75 Varick St, N Y
Oskar Eismann, 6059 71 St, Maspeth, L I, N Y
Morningstar Nicol, 630 W 51 St, N Y 19
Paisley Products, 630 W 51 St, N Y 19
Republic Chem Corp, 94 Beekman St, N Y 38

STARCH, SAGO

Starch obtained from the pith of various palms, chiefly the Metroxylon species in India. Uses—as a food.

Arabol Mfg Co, 110 E 42 St, N Y 17
Dalton-Cooper, 200 W 34 St, N Y
Morningstar Nicol, 630 W 51 St, N Y 19
Paisley Products, 630 W 51 St, N Y 19
Stein, Hall & Co, 285 Madison Ave, N Y 17

STARCH, SWEET POTATO

$(C_6H_{10}O_5)n$. White, amorp., tasteless and odorless powd. of minute particle size, obtained from the American sweet potato (Ipomoea Batata). Rich in beta-amylose, it pastes and completely gelatinizes at 165°F, withstands prolonged cooking without thinning out, has colloidal properties akin to those of pectin and certain gums, and has pronounced ability to absorb and retain moisture. Uses—mfr. turkish paste, cream centers, marshmallow, caramels, fudge, and other confections; in mfr. cakes, breads, cake icings and other baked goods; in mfr. prepared baking flours; in mfr. sizes for laundry work, and for cotton and rayon, for paper, adhesives, toilet powd. and other toilet preps.; in medicine. Grades—domestic only. High, medium and low viscosity. Paperlined bbls., 240 lbs. net, 264 lbs. gross.

Chem Advance Corp, 1345 Arch St, Phila, Pa
Croton Chem Corp, 114 Liberty St, N Y 6
Paisley Products, 630 W 51 St, N Y 19
Republic Chem Corp, 94 Beekman St, N Y 38

STARCH, WHEAT

Starch obtained from wheat. See also Starch, Corn, Rice, etc. Grades—edible; tech.

J T Baker Chem Co, Phillipsburg, N J
*Gen Mills, Special Commodities Div, 400 2 Ave S, Minneapolis 1, Minn
*H Kohnstamm & Co, 83 Park Pl, N Y 7
Paisley Products, 630 W 51 St, N Y 19
Republic Chem Corp, 94 Beekman St, N Y 38
Welch, Holme & Clark Co, 439 West St, N Y 14

STARCHES, LAUNDRY

American Maize Products Co, 100 E 42 St, N Y 17
*Arabol Mfg Co, 110 E 42 St, N Y 17
Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
*Clinton Foods, Clinton, Iowa
*Corn Products Refg Co, 17 Battery Pl, N Y 4
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
*H Kohnstamm & Co, 83 Park Pl, N Y 7
Merchants Chem Co, 60 E 42 St, N Y 17
*Penick & Ford, 420 Lexington Ave, N Y 17
Stein, Hall & Co, 285 Madison Ave, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Welch, Holme & Clark Co, 439 West St, N Y 14

STARCHES, PAPER

*American Maize Products Co, 100 E 42 St, N Y 17
*Clinton Foods, Clinton, Iowa
*Corn Products Refg Co, 17 Battery Pl, N Y 4
Paisley Products, 630 W 51 St, N Y 19
Stein, Hall & Co, 285 Madison Ave, N Y 17

STARCHES, SOLUBLE

*American Maize Products Co, 100 E 42 St, N Y 17
*H Kohnstamm & Co, 83 Park Pl, N Y 7
Paisley Products, 630 W 51 St, N Y 19
Stein, Hall & Co, 285 Madison Ave, N Y 17
*Takamine Lab, 193 Arlington Ave, Clifton N J
Welch, Holme & Clark Co, 439 West St, N Y 14
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

CLINTON

Corn Starches and Dextrins

CLINTON FOODS INC.
CLINTON, IOWA

STARCHES, SYNTHETIC

*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Paisley Products, 630 W 51 St, N Y 19
*Shawinigan Products Corp, 350 5 Ave, N Y I
Stein, Hall & Co, 285 Madison Ave, N Y 17

STARCHES, TEXTILE

*American Maize Products Co, 100 E 42 St, N Y 17
*Arabol Mfg Co, 110 E 42 St, N Y 17
*Clinton Foods, Clinton, Iowa
*Corn Products Refg Co, 17 Battery Pl, N Y 4
Kem Products Co, 227-229 High St, Newark 2, N J
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
Paisley Products, 630 W 51 St, N Y 19
*Penick & Ford, 420 Lexington Ave, N Y 17
*Scher Bros, 519 Getty Ave, Clifton, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Stein, Hall & Co, 285 Madison Ave, N Y 17
Welch, Holme & Clark Co, 439 West St, N Y 14

STEARATES, METALLIC see advertisements on this page and individual listings

STEARINE (Glyceryistearic Ester, Tristearin, Glycerol Tristearate)

$C_3H_5(C_{17}H_{35}COO)_3$. Colorless, odorless, amorp. powd. Sp. gr. 0.943 (65°C). M.P. 71-71.5°C. Sol. ether, chloroform, carbon disulfide. Uses—mfr. candles, soaps, textile sizes, adhesive pastes, artificial ivory, metal polishes; waterproofing paper and artificial stone; impregnating fabrics; stuffing leather. Grades—various as oleostearine, lard stearine, etc., as to source.

*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 17
American Firstoline Corp, 420 Lexington Ave, N Y
*Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2, Ohio
*Marcus-Ruth-Jerome Co, 327 LaSalle St, Chicago, Ill
Republic Chem Corp, 94 Beekman St, N Y 38
George Uhe Co, 76 9 Ave, N Y 14
E J Verde & Co, 335 Produce Exchange, N Y 4
Welch, Holme & Clark Co, 439 West St, N Y 14
Witco Chem Co, 295 Madison Ave, N Y 17

STEAROPHANIC see Acid, Stearic

STEATITE RENSSELAERITE see Talc

Stearates

Aluminum
Barium
Cadmium
Calcium
Cobalt
Iron
Lead
Magnesium
Manganese
Zinc (Tech. & U. S. P.)

PRIOR CHEMICAL CORPORATION • NEW YORK
420 LEXINGTON AVENUE

CABLE: PRIORCHEM NEW YORK
PHONE: LExington 2-9811

WITCO METALLIC STEARATES

ALUMINUM • LEAD
BARIUM • LITHIUM
CADMIUM • MAGNESIUM
CALCIUM • STRONTIUM
ZINC •

WITCO CHEMICAL COMPANY
295 MADISON AVENUE • NEW YORK 17, NEW YORK

Los Angeles • Boston • Chicago • Houston • Cleveland
San Francisco • Akron • London and Manchester, England

*Company classifies itself as manufacturer or producer of this product

STRONTIUM

STRONTIUM CARBONATE
Pure and Technical Grades

STRONTIUM SULPHATE (Celestite)
Guaranteed Strontium Sulphate, minimum 90.00%
(a)—Air floated 90% through 325 mesh
(b)—90% through 200 mesh

Foote

FOOTE MINERAL COMPANY
409 EIGHTEEN WEST CHELTEN BLDG.
PHILADELPHIA 44, PENNA.

STEINBUHL YELLOW see Barium Chromate

STEROLS

*American Cholesterol Products, Middlesex Co, N J
*Bios Labs, 17 W 60 St, N Y 23
*Robinson-Wagner Co, 110 E 42 St, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

STIBIUM see Antimony Metal

STIBNITE see Antimony Sulfide

STICK LAC see Shellac

STIFFENERS, LEATHER

*Adhesive Products Corp, 1660 Boone Ave, N Y
*Concord Chem Co, Moorestown, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

STIFFENERS, TEXTILE

*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Ciba Co, 627 Greenwich St, N Y 14
*E I Du Pont de Nemours & Co, Electrochem Dept & Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Joy Chem Co, 133 Webster St, Pawtucket, R I
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*Mellin Chem, 45 N Broad St, Ridgewood, N J
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Paisley Products, 630 W. 51 St, N Y 19
*Scher Bros, 519 Getty Ave, Clifton, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17 N Y
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Warwick Chem Co Div, Wood River Junction, R I
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

STILICEOUS SINTER see Fluorspar

STODDARD SOLVENT

Colorless refined petroleum product specially fractionated for the dry cleaning industry. Specifications are outlined in the Bureau of Standards, booklet CS3-28. Flash Point shall not be lower than 100°F; odor, sweet; shall show not more than extremely slight discoloration when clean copper strip is submerged in the solvent for three hours at 212°F. Distillation range, not less than 50% shall be recovered in the receiver when the thermometer reads 350°F. The dry or end point shall be not higher than 410°F. No tolerance shall be allowed above 410°F. See Benzine.

*American Mineral Spirits Co, 155 E 44 St, N Y 17
*Atlantic Refining Co, 260 S Broad St, Phila, Pa
C P Chem Solvents, 60 Park Pl, Newark 2, N J
Central Solvents & Chem Co, 2545 W Congress St, Chicago 12, Ill
Deep Rock Oil Corp, 624 S Mich, Chicago 5, Ill
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
Wolverine Solvents & Chem Co, 1500 Century Ave, Grand Rapids 9, Mich

STOLZITE see Lead Tungstate

STONE FLAX see Asbestos

STREPTOMYCIN

Empirical formula, $C_{21}H_{39}O_{12}N_7$. Antibacterial agent of high potency. Sol. water; insol. alcohol, other organic solvents.

Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Chem Service Corp, 82 Beaver St, N Y 5
Conray Products, 510 6 Ave, N Y 11
De Bear Inc, 636 11 Ave, N Y 19
Duff Chem Co, 342 Madison Ave, N Y 17
Fallek Products, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
C F Kirk Co, 521-523 W 23 St, N Y 11
*Merck & Co, 100 Lincoln Ave, Rahway, N J
Mutchler Chem Co, 258 Broadway, N Y 7
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Schenley Labs, Lawrenceburg, Ind
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Scientific & Chem Industries Co, 225 W 86 St, N Y 1
Shepard Chem Corp, 117 Liberty St, N Y 6
George Uhe Co, 76 9 Ave, N Y 14

STRIPPERS, DRY-CLEANING

*E F Drew & Co, 15 E 26 St, N Y 10
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Kuehne Chem Co, Woodruff Lane, Elizabeth, N J
Merchants Chem Co, 60 E 42 St, N Y 17

STRIPPERS, TEXTILE

Antara Products Div, 435 Hudson St, N Y 14
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Berkshire Color & Chem Corp, 42-44 Hampden St, Springfield, Mass
*Ciba Co, 627 Greenwich St, N Y 14
*E F Drew & Co, 15 E 26 St, N Y 10
*Kuehne Chem Co, Woodruff Lane, Elizabeth, N J
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
Sagamore Color & Chem Co, 178 Purchase St, Boston 10, Mass
*Scher Bros, 519 Getty Ave, Clifton, N J
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
*Watson-Park Co, Ballardvale, Mass
Welch, Holme & Clark Co, 439 West St, N Y 14
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

STRONTIA see Strontium Oxide

STRONTIUM (Metal)

Sr. Silver-white metal. Dens. 2.54. M.P. 900°C. B.P. 1000°C. Slowly sol. in water with formation of the hydroxide; sol. alcohol and acids. Grades—tech.

City Chem Corp, 132 W 22 St, N Y 11
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17

STRONTIUM BROMIDE

$SrBr_2 + 6H_2O$. M.W. 355.57. Colorless cryst. Sol. alcohol, insol. ether. Melts when heated. Becomes anhydrous at 180°C. Uses—medicine.

J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
*Dow Chem Co, Midland, Mich
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7 Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

STRONTIUM CARBONATE

$SrCO_3$. M.W. 147.64. White powd. Uses—mfr. other strontium salts; mfr. iridescent glass; refining sugar; in medicine. Grades—natural, precipitated; tech.

*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Croton Chem Corp, 114 Liberty St, N Y 6
*Foote Mineral Co, Chelten Bldg, Phila 44, Pa
*Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Hummel Chem Co, 90 West St, N Y 6
International Selling Corp, 70 Pine St, N Y 5
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38

STRONTIUM CHLORIDE

$SrCl_2 + 6H_2O$. M.W. 266.65. White or colorless cryst. sol. alcohol, water. Uses—reagent; in pyrotechnics. Grades—Reagent; C.P.; anhydrous; tech..

*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Hummel Chem Co, 90 West St, N Y 6
International Selling Corp, 70 Pine St, N Y 5
Prior Chem Corp, 420 Lexington Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

STRONTIUM CHROMATE

$SrCrO_4$. M.W. 203.6. Canary yellow. Heat resistant. Uses—coloring of vinyl resins.

Barclay Chem Co, 75 Varick St, N Y
*Mineral Pigments Corp, Muirkirk, Md
D H Osgood Co, 4181 Oakman Blvd, Detroit 4, Mich

STRONTIUM DIOXIDE see Strontium Peroxide

STRONTIUM 2-ETHYL HEXOATE

$Sr[CH_3(CH_2)_3CH(C_2H_5)CO_2]_2$. M.W. 374.03. Colorless solid. Uses—solutions to stabilize polyvinyl chloride and copolymers against heat.

Argus Chem Lab, 56 Clifton Pl, Bklyn 5, N Y

STRONTIUM FLUORIDE

*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6

STRONTIUM HYDROXIDE

$Sr(OH)_2 8H_2O$. M.W. 265.77. Colorless deliq. cryst. Sp. gr. 1.396. M.P. 375°C. Uses—refining beet sugar, separation of crystallizable sugar from molasses.

*J T Baker Chem Co, Phillipsburg, N J
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Hummel Chem Co, 90 West St, N Y 6
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

STRONTIUM LACTATE

$Sr(C_3H_5O_3)_2.3H_2O$. M.W. 319.8. White gran. powd. Sol. alcohol, water, ether.

Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

STRONTIUM LAURATE

*Mathe Chem Co, 169 Milbank St, Lodi, N J

STRONTIUM MONOXIDE see Strontium Oxide

STRONTIUM NAPHTHENATE

M.W. about 550. 16% metal. Buff solid; sol. selected organic solvents. Uses—water-proofer and stabilizer.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
Argus Chem Lab, 56 Clifton Pl, Bklyn 5, N Y
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Mathe Chem Co, 169 Milbank St, Lodi, N J

STRONTIUM NITRATE

a. $Sr(NO_3)_2$. b. $Sr(NO_3)_2 4H_2O$. White powd. Sp. gr. a. 2.98. b. 2.249 (15.5°C). M.P. a. 570°C. b. loses water on heating. Sol. water; very sl. sol. absolute alcohol. Uses—mfr. red light pyrotechnics, matches, marine and railroad signals. Grades—tech.; C.P.; dry, pure dry; impalpable.

American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
Davies Nitrate Co, 114 Liberty St, N Y
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
*Hooper Chem Corp, Box 313, Rutherford, N J
Hummel Chem Co, 90 West St, N Y 6
International Selling Corp, 70 Pine St, N Y 5
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

*Company classifies itself as manufacturer or producer of this product

STRONTIUM OXALATE

$SrC_2O_4.H_2O$. M.W. 193.7. White cryst. powd. Insol. water; decomp. on heating; sol. most acids. Uses—mfr. pyrotechnics.

Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Hummel Chem Co, 90 West St, N Y 6
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17

STRONTIUM OXIDE (Strontia, Strontium Monoxide)

SrO. M.W.103.63. Grayish-white powd. Sp. gr. 4.7. M.P. 2430°C. Sl. sol. alcohol; sol. water. Uses—mfr. strontium hydroxide, pyrotechnic compositions, glass; photographic reagent; as paint and varnish pigment and filler; in medicine. Keep dry.

Barclay Chem Co, 75 Varick St, N Y
Hummel Chem Co, 90 West St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38

STRONTIUM PEROXIDE (Strontium Dioxide)

a. SrO_2. b. $SrO_2.8H_2O$, about 84% SrO_2. White, odorless, tasteless, crystalline or amorp. powd. Sp. gr. a. 0.456. M.P. a. Decomp. on heating. b. Loses water of crystallization at 100°C. Sol. alcohol, ammonium chloride solution. Uses—general bleaching agent; bleaching sugar; fireworks. Grades—tech.

Hummel Chem Co, 90 West St, N Y 6

STRONTIUM SALICYLATE

$Sr(C_7H_5O_3)_2.2H_2O$. White, odorless, cryst. powd. Sol. alcohol, water. Uses—mfr. fine chemicals, pharmaceuticals; in medicine. Grades—U.S.P.; tech. Cont.—kegs (100 lbs.); boxes (25,50 lbs.).

Argus Chem Lab, 56 Clifton Pl, Bklyn 5, N Y
J T Baker Chem Co, Phillipsburg, N J
*Dow Chem Co, Midland, Mich
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

STRONTIUM STEARATE

$Sr(C_{18}H_{35}O_2)_2$. White powd. M.P. 130-140°C. M.W. 654. Ash, 21.9%. Washed ash, 21.4%. Solubility ash. It is insol. in low-molecular wt. alcohols and esters. It is partly sol. in and forms gels with aromatic and aliphatic hydrocarbons such as benzol, mineral spirits, and paraffin oil. Uses—grease and wax compounding. Due to its colored flame it should be advantageous in pyrotechnic flares and signals.

Argus Chem Lab, 56 Clifton Pl, Bklyn 5, N Y
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Mathe Chem Co, 169 Millbank St, Lodi, N J
*Warwick Chem Co Div, Wood River Junction, R I
*Witco Chem Co, 295 Madison Ave, N Y 17

STRONTIUM SULFATE (Celestin)

$SrSO_4$. M.W. 183.7. Rhombic cryst. Uses—glass, ceramic industries; mfr. fireworks; in paper. Grades—tech., 98-99%.

*J T Baker Chem Co, Phillipsburg, N J
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Manufacturers Min Co; Box 3144, Seattle, Wash

STRONTIUM SULFIDE

SrS. Grav powd. Sp. gr. 3.7. Uses—depilatory, luminous paints.

*Millmaster Chem Corp, 420 Lexington Ave, N Y 17

STRYCHNINE ALKALOID (Vauquetine)

$C_{21}H_{22}N_2O_2$. Small hard cryst. or white crystalline powd., very bitter taste. M.P. 265°C. Sol. alcohol, water; very sl. sol. ether. Uses—in rat and other vermin poisons.

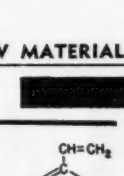
*Gane & Ingram, 43 W 16 St, N Y 11
Inland Alkaloid Co, Tipton, Ind
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

STRYCHNINE NITRATE

$C_{21}H_{22}O_2N_2HNO_3$. Colorless needles or white crystalline powd. Sol. alcohol, water, chloroform; insol. ether. Uses—mfr. rat and other rodent poisons.

*Bios Labs, 17 W 60 St, N Y 23

KOPPERS
Styrene Monomer
Purity: 99.3% Minimum



USES: In production of polystyrene molding products, GR-S synthetic rubbers, polyester laminating and casting resins and specialty synthetic elastomers. Its copolymers with drying oils are used in protective coatings. As a chemical raw material it is of value for the production of organic intermediates.

KOPPERS COMPANY, INC.
Chemical Division
PITTSBURGH 19, PA.

STRYCHNINE NITRATE, continued

*Gane & Ingram, 43 W 16 St, N Y 11
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

STRYCHNINE SULFATE

$(C_{21}H_{22}N_2O_2)_2H_2SO_4 + 5H_2O$. Colorless, odorless prisms or white powd., very bitter taste. Sol. alcohol, water, chloroform; insol. ether. Uses—extensively in mfr. of rodent exterminating products.

*Gane & Ingram, 43 W 16 St, N Y 11
Inland Alkaloid Co, Tipton, Ind
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

STUFFING COMPOUNDS, LEATHER

*American Finish & Chem Co, 1012 Broadway, Chelsea 50, Mass
Antara Products Div, 435 Hudson St, N Y 14
*Fiber Chem Corp, Box 218, Matawan, N J
*Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
*Nopco Chem Co, Logan & Davis Sts, Harrison N J

STYRAX BENZOIN see Gum, Benzoin

STYRENE DIBROMIDE

*Dow Chem Co, Midland, Mich
*Mich Chem Corp, 500 N Bankson St, Louis, Mich

STYRENE MONOMER (Vinyl Benzene)

C_8H_8. M.W. 104.14. Clear, colorless liq. of characteristic odor. Polymerizes slowly on standing, rapidly when heated, becoming increasingly viscous until a clear, glassy, solid state is reached. Sp. gr. 0.904 (25°C). B.P. 81-82°C at 100 mm pressure. Flash pt. 31°C. Sp. heat, BTU/lb./°F., 0.32. Viscosity at 25°C, 0.77 centipoises. Dielectric constant, 1000 cycle, 2.35. Sp. resistivity, 3.0×10^{15} ohm cms. Wt. per gal. at 25°C, 7.5 lbs. Grades—styrene content, not less than 98%, as a water-white liq. Uses—mfr. polystyrene plastic resin.

American Firstoline Corp, 420 Lexington Ave, N Y
Chem Service Corp, 82 Beaver St, N Y 5
De Bear Inc, 636 11 Ave, N Y 19
*Dow Chem Co, Midland, Mich
International Selling Corp, 70 Pine St, N Y 5
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Monsanto Chem Co, Plastics Div, Springfield, Mass
*Monsanto Chem Co, Tex Div, Texas City, Tex

STYRENE OXIDE (1,2-Epoxyethylbenzene)

$C_6H_5C_2H_3O$. M.W. 120.1. Colorless to pale straw-colored liq. Completely miscible with common organic solvents; insol. water.

*Dow Chem Co, Midland, Mich

SUCCINALDEHYDE see Succinic Anhydride

SUCCINIC ANHYDRIDE (Succinaldehyde)

$C_4H_4O_3$ ($H_2C—CO$ / $H_2C—CO$ > O). Lightly colored flakes. Sp. gr. 1.104. Sol. chloroform. Uses—mfr. pharmaceuticals, synth. resins; organic synthesis. Grades—dist. (S.P. 117°C. min.).

Conray Products, 510 6 Ave, N Y 11
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*National Aniline Div, 40 Rector St, N Y 6

SUCCINIMIDE

$(H_2CCO)_2NH$. M.W. 99. Small, thin light-tan flakes, easily crumbled (tech.), nearly odorless, colorless cryst. (purified). Very sol. hot water; completely sol. cold water, sodium hydroxide solution; insol. organic solvents. Uses—Gabriel synthesis of primary amines, for N-halogination, synthesis of B-alanine.

*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*National Aniline Div, 40 Rector St, N Y 6
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

SUCCINYL SULFATHIAZOLE

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Paul-Lewis Lab, 4253 N Port Washington Rd, Milwaukee, Wis

SUCROSE OCTA-ACETATE

$C_{28}H_{38}O_{19}$. M.W. 678.3. White cryst. derivative of cane sugar. B.P. 260°C at 1 mm. Hg. Decomp. above 285°C. Viscosity (100°C) 29.5 poise. Sp. Rotation (CCl_4) + 54.96°C. Refractive index 1.4660. Quite sol. acetone, ethylene dichloride, tetrol; practically insol. water. Uses—mfr. anhydrous adhesive compositions; to impart parchment-like surfaces to paper; to make oil, water and grease repellent surfaces to boxboard; as a denaturant in alcohol formulas; as a plasticizer.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

SUGAR OF MILK (Lactose, Lactin)

$C_{12}H_{22}O_{11}.H_2O$. White, solid crystalline. Sp. gr. 1.525 (20°C). Decomp. at 203.5°C. Sol. water. Uses—mfr. infant foods, margarine, baked products, butter, confectionery, candies, sweetmeats, food preps., pyrotechnic compositions; as bacteria medium; silvering glass mirrors; in medicine. Grades— U.S.P. powd.; impalpable powd.; C.P.

American-British Chem Supplies, 180 Madison Ave, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Conray Products, 510 6 Ave, N Y
Consumers Products Co, 99 Hudson St, N Y 13
Hal Delphin & Co, 880 Bergen Ave, Jersey City 6, N J
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
*National Milk Sugar Co, 350 Madison Ave, N Y 17
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Sheffield Farms Co, Chemurgic Div, Box 630, Norwich, N Y
George Uhe Co, 76 9 Ave, N Y 14

SUGAR REFINING AGENTS

*Darco Dept, Atlas Powder Co, 60 E 42 St, N Y
Delft Co, 20 E Jackson Blvd, Chicago 4, Ill
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

*Company classifies itself as manufacturer or producer of this product

New 'BIOS' Chemicals

RARE SUGARS

Acetobromoglucose
Acetol Acetate
Arabonic Acid
Cellotriose
Chloralose
Desoxyribose
Dihydroxyacetone
Erythritol
Galacturonic Acid
Gentiobiose
Glucamine
Glucoascorbic Acid
Glucose Diacetone
Glucose Monoacetone
Glucose Pentaacetate
Glucose-1-phosphate
Glucose-6-phosphate
Glucosides
Glucuronic Acid
Glyceraldehyde
Glyceric Acid
Hydroxymethylfurfural
Inosine
Inosinic Acid
Inositol Calcium Phosphate
Methylglucamine
Oxycellulose
Phosphogluconic Acid
Phosphoglyceric Acid
Reductone
Ribonic Acid
Ribose
Saccharic Acid
Thiosorbitol

OVER 5,000 CHEMICALS IN STOCK

BIOS Laboratories, Inc.
17 West 60th St. New York 23 N.Y.
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Amend Drug & Chem Co, 117-119 E 24 St, N Y
*Delta Chem Works, 23 W 60 St, N Y
Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa
*Schwarz Labs, 202 E 44 St, N Y 17

SULFADIAZINE (2-Sulfanilamidopyrimidine)

M.W. 250.27. White elongated prisms or crystalline powd. Sulfadiazine is sol. 0.0123 g. in 100 cc. water at 37°C. It is readily sol. in aqueous bases or mineral acids: sl. sol. in alcohol or acetone, insol. in ether or chloroform. M.P. between 253°-256° C with decomp. when inserted in a bath at 245°C and heated at 4°C per minute. It may be assayed by diazotization. Is useful in all the diseases treated by previous sulfanilamide derivatives, especially diseases caused by B-hemolytic streptococci, staphylococci, pneumococci, meningococci, gnococci and B. coli. It has the advantage of much lower toxicity than other drugs of comparable potency: hence may be used at more effective blood levels. Its solution in triethanolamine has shown outstanding properties in treatment of severe burns.

American Roland Corp, 16 Hudson St, N Y
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Calco Chem Div, Bound Brook, N J
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
Conray Products, 510 6 Ave, N Y 11
De Bear Inc, 636 11 Ave, N Y 19
Duff Chem Co, 342 Madison Ave, N Y 17
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Mutchler Chem Co, 258 Broadway, N Y 7
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

SULFAGUANIDINE (Sulfanilylguanidine)

M.W. 232.26. White, odorless needle-like cryst. or crystalline powd. Sulfaguanidine is sol. 10 g. in 100 cc. of boiling water, and 0.22 g. in 100 cc. at 37.5°C. It is 5% soluble in boiling 95% alcohol, 1.5% in boiling acetone. It is difficultly sol. in ethyl acetate and insol. in benzene, ether and chloroform. It is readily sol. in cold bases. It is destroyed by boiling with strong bases. It melts in the range 189° to 192°C. after preliminary softening. In a short sealed tube, it melts at 142.5°-143.5°C. It may be assayed by diazotization. Effective in treatment of various bacterial diseases of intestines such as dysentery. Is poorly absorbed into blood stream so may be given in high dosage to secure action on intestinal organisms without reaching toxic blood levels.

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Chem Service Corp, 82 Beaver St, N Y 5
Duff Chem Co, 342 Madison Ave, N Y 17
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

SULFAMERAZINE

$C_{11}H_{12}N_4O_2S$. M.W. 264.3. M.P. 234-238°C. White or faintly yellowish white cryst. or powd.: nearly odorless: sl. bitter taste. Sol. dilute mineral acids, solutions of potassium, ammonium, sodium hydroxides; sl. sol. water, acetone, alcohol, ether, chloroform. Uses—pharmaceuticals.

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Calco Chem Div, Bound Brook, N J
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

SULFAMIDYL see Sulfanilamide

SULFANILAMIDE (p-Aminobenzenesulfonamide, Sulfamidyl, Sulphonamide P, Prontosil Album)

$C_6H_8N_2O_2S$. M.W. 172.14. M.P. 164.5-166.5°C. Sol. water, alcohol. Colorless or white cryst. or white crystalline powd. Uses—medicinal.

American Roland Corp, 16 Hudson St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Calco Chem Div, Bound Brook, N J
Chem Service Corp, 82 Beaver St, N Y 5
Conray Products, 510 6 Ave, N Y 11
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Gane & Ingram, 45 W 16 St, N Y 11
Legion Chem, 70 Wall St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Sterone Corp, 250 W 57 St, N Y 19
George Uhe Co, 76 9 Ave, N Y 14

SULFAGUANIDINE, continued

2-SULFANILAMIDOPYRIDINE see Sulfapyridine

2-SULFANILAMIDOPYRIMIDINE see Sulfadiazine

SULFANILYLGUANIDINE see Sulfaguanidine

SULFAPYRIDINE (2-Sulfanilamidopyridine)

$H_2N\cdot C_6H_4\cdot SO_2\cdot NH\cdot C_5H_4N$. M.W. 249.28. Freely sol. dilute mineral acids, aqueous solution of potassium and sodium hydroxides. Uses—medicine.

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
*Calco Chem Div, Bound Brook, N J
Duff Chem Co, 342 Madison Ave, N Y 17
Fallek Products Co, 163 Broadway, N Y 6
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
Mutchler Chem Co, 258 Broadway, N Y 7
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7

SULFATED HIGHER ALCOHOL

Aceto Chem Co, 82 Beaver St, N Y 5
*Alrose Chem Co, 180 Mill St, Cranston 5, R I
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
M Michel & Co, 90 Broad St, N Y 4
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Scher Bros, 519 Getty Ave, Clifton, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Welch, Holme & Clark Co, 439 West St, N Y 14

SULFATHIAZOLE

American Roland Corp, 16 Hudson St, N Y
*J M Baird Co, 147 Nassau St, N Y 38, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Calco Chem Div, Bound Brook, N J
Chem Service Corp, 82 Beaver St, N Y 5
Conray Products, 510 6 Ave, N Y 11
*Desmo Chem Corp, 565 5 Ave, N Y 17
Duff Chem Co, 342 Madison Ave, N Y 17
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Gane & Ingram, 45 W 16 St, N Y 11
Legion Chem, 70 Wall St, N Y 5
*Livestock Chem Co, 3816 S Div Ave, Grand Rapids 8, Mich
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
Mutchler Chem Co, 258 Broadway, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Sterone Corp, 250 W 57 St, N Y 19
George Uhe Co, 76 9 Ave, N Y 14

SULFIDE WHITE see Lithopone

SULFITES see advertisements on this page and individual listings

*Company classifies itself as manufacturer or producer of this product

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SULFOCARBANILIDE see Thiocarbanilide

SULFONAMIDE P see Sulfanilamide

SULFONATED OIL SUBSTITUTES

*Apex Chem Co, 225 W 34 St, N Y 1
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
Barclay Chem Co, 75 Varick St, N Y
*E F Drew & Co, 15 E 26 St, N Y 10
*Ninol Labs, 1719 S Clinton St, Chicago 16, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J

SULFONATES

*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Indoil Chem Co, 910 S Michigan Ave, Chicago 80, Ill
M Michel & Co, 90 Broad St, N Y 4

SULFONATES, continued

*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
*Ninol Labs, 1719 S Clinton St, Chicago 16, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Oronite Chem Co, 38 Sansome St, San Francisco, Cal
Petroleum Specialties, 205 E 42 St, N Y 17
*Sherwood Refining Co, 1 W Forest Ave, Englewood, N J
*Sinclair Refining Corp, 600 5 Ave, N Y 18
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Stepan Chem Co, 1353 N Branch St, Chicago 22, Ill
*Tiona Petroleum Co, 501 Broad St, Phila 2, Pa

SULFONYL CHLORIDE see Sulfuryl Chloride

SULFOUREA see Thiourea

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S. a. Solid amorp. b. Yellow, solid crystalline. Natural and mfr. Sp. gr. a. 1.9556. b. 2.046. M.P. a. 120°C. b. 253°C (ignition point). B.P. a. and b. 444.6°C. Sol. carbon disulfide, sulfur chloride. Uses—mfr. sulfuric acid, other organic and inorganic sulfur com-

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Flour, Sublimed Light, U.S.P.
Flowers, Sublimed Velvet, U.S.P.
Match Manufacturing
Oil Refiners
Refined Lump (Broken Rock)
Roll (Stick)
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Barclay Chem Co, 75 Varick St, N Y
*Duval Sulphur & Potash Co, 1120 Niels Esperson Bldg, Houston 2, Tex
Faesy & Besthoff, 325 Spring St, N Y 13
*Freeport Sulphur Co, 122 E 42 St, N Y 17
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Jefferson Lake Sulphur Co, 1408 Whitney Bldg, New Orleans 12, La
Mackim Products Co, 1775 Broadway, N Y 19
Merchants Chem Co, 60 E 42 St, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Texas Gulf Sulphur Co, 75 E 45 St, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

SULFUR, AGRICULTURAL

Battelle & Renwick, 55 Liberty St, N Y 5
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
Chem for Agriculture, 848 Washington Bldg, Wash 5, D C
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
Florida Agricultural Supply Co, 1661 Talleyrand Ave, Jacksonville, Fla
*Geigy Co, 89 Barclay St, N Y 8
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Kipfer Chem Co, P O Box 770, Harlingten, Tex
Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Miller Products Co, Ft of S W Caruthers St, Portland 1, Ore
*Pittsburgh Plate Glass Co, Corona Chem Div, 235 E Pittsburgh Ave, Milwaukee, Wis
*Stauffer Chem Co, P O Box 68, N Portland, Ore
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Tobacco By-Products & Chem Corp, 401 E Main St, Richmond, Va

SULFUR Di-CHLORIDE

SCl_2. M.W. 102.97. Reddish-brown liq. Sp. gr. 1.621 at 15°C. M.P. —78°C. B.P. 59°C. Decomp. at 64°C. Grades—tech.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
*Stauffer Chem Co, 420 Lexington Ave, N Y 17

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SO_2. Colorless liq. or gas. Sp. gr. 1.434 (0°C). M.P. —73°C. B.P. —10°C. Sol. water, alcohol, ether. Uses—as reagent; in bleaching; as preservative; as a selective for purification of kerosene and lubricating oil stocks.

*Ansul Chem Co, Marinette, Wis
J T Baker Chem Co, Phillipsburg, N J
*Calco Chem Div, Bound Brook, N J
*Dow Chem Co, Midland, Mich
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Matheson Co, Paragon Div, E Rutherford, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Ohio Chem & Surgical Equipment Co, 1400 Washington Ave, Madison 10, Wis
Republic Chem Corp, 94 Beekman St, N Y 38
*Tennessee Corp, 619 Grant Bldg, Atlanta, Ga
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Virginia Smelting Co, W Norfolk, Va

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Uses—match mfr., oil refining—general industrial purposes, stock feeds and for general agricultural purposes where a finely divided sulfur is not necessary.

American Firstoline Corp, 420 Lexington Ave, N Y
Arnold, Hoffman & Co, 55 Canal St, Providence, R I
Battalle & Renwick, 55 Liberty St, N Y 5
Croton Chem Corp, 114 Liberty St, N Y 6
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Faesy & Besthoff, 325 Spring St, N Y 13
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
McKesson & Robbins, 155 E 44 St, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
*Taylor Chem Co, Box 337, Aberdeen, N C
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

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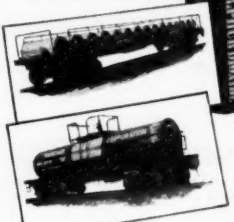
BLEACHING AGENT
For paper pulp, textiles, many food products, minerals and other materials.

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Removes excess chlorine in paper pulp and textile bleaching.

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SO_2 has many uses in chemical processing such as oil refining, plastic manufacturing, leather tanning and hundreds of other uses.

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American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Battelle & Renwick, 55 Liberty St, N Y 5
Berlow & Schlosser Co, 401 Industrial Trust Blvd, Providence, R I
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
Croton Chem Corp, 114 Liberty St, N Y 6
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
K F Griffiths & Co, 280 Madison Ave, N Y 16
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
R B Huber, 126 Tremont St, Boston 16, Mass
Enos F Jones Chem Co, 14 Florence St, Jersey City 4, N J
E & F King & Co, 640 Pleansant St, Norwood, Mass
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
*Lewis Co, 232 Canal St, N Y 13
Los Angeles Chem Co, 1960 Santa Fe Ave, Los Angeles 21, Cal
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
McKesson & Robbins, 155 E 44 St, N Y 17
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
Merchants Chem Co, 60 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
*Pennsylvania Refining Co, Butler, Pa
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Stauffer Chem Co, P O Box 68, N Portland, Ore
Thompson-Hayward Chem Co, 2915 Southwest Blvd Kansas City 8, Mo
Wah-Chang Corp, 233 Broadway, N Y 17
Witco Chem Co, 295 Madison Ave, N Y 17

SULFUR GOLD see Antimony Sulfide, Golden

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A sublimed sulfur. Uses—burning (fumigation, bleaching, fruit preservation), medicinal, livestock feeds.

American Firstoline Corp, 420 Lexington Ave, N Y
Battelle & Renwick, 55 Liberty St, N Y 5
John A Chew, 60 E 42 St, N Y 17
Croton Chem Corp, 114 Liberty St, N Y 6
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
*Stauffer Chem Co, P O Box 68, N Portland, Ore
*Taylor Chem Co, Box 337, Aberdeen, N C

SULFUR HEXAFLUORIDE

*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Matheson Co, Paragon Div, E Rutherford, N J

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SULFUR MONOCHLORIDE (Sulfur Subchloride)

S_2Cl_2. M.W. 135.03. Amber to yellowish-red, fuming liq., penetrating odor. Sp. gr. 1.678. F.P. —80°C. B.P. 135.6°C. Sol. alcohol, ether, benzene, carbon disulfide, amyl acetate. Uses—mfr. rubber cements and substitutes, acetic anhydride, intermediates, organic chemicals, linseed oil substitutes, military poison gas, insecticides, varnishes, waterproofing and pharmaceutical preps.; hardening soft woods; sulfur solvent; vulcanizing rubber; defecation of sugar juices; finishing and dyeing textiles; in medicine. Grades—red; yellow.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Dow Chem Co, Midland, Mich
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio

SULFUR MONOCHLORIDE, continued

*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

SULFUR, PRECIPITATED (Sulfur Lac; Milk of Sulfur)

A fine, light-colored amorp. powd., without taste or odor, obtained by the action of hydrochloric acid upon a solution prepared by boiling together sulfur and lime in water. Uses—medicine.

Battelle & Renwick, 55 Liberty St, N Y 5
Faesy & Besthoff, 325 Spring St, N Y 13
Fallek Products Co, 163 Broadway, N Y 6
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

SULFUR SUBCHLORIDE see Sulfur Monochloride

SULFUR, WETTABLE

E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wimington, Del
Faesy & Besthoff, 325 Spring St, N Y 13
Florida Agricultural Supply Co, 1611 Talleyrand Ave, Jacksonville, Fla
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Harwick Standard Chem Co, 60 S Seibering St, Akron 5, Ohio
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
*Miller Products Co, Ft of S W Caruthers St, Portland 1, Ore
*Pittsburgh Plate Glass Co, Corona Chem Div, 235 E Pittsburgh Ave, Milwaukee, Wis
Republic Chem Corp, 94 Beekman St, N Y 38
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
*Taylor Chem Co, Box 337, Aberdeen, N C
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

SULFURATED LIME see Calcium Sulfide

SULFURETTED HYDROGEN see Hydrogen Sulfide

SULFURIC CHLORIDE see Sulfuryl Chloride

SULFURIC CHLOROHYDRIA see Acid, Chlorosulfonic

SULFURYL CHLORIDE (Sulfonyl Chloride, Sulfuric Chloride, Chlorsulfuric Acid)

SO_2Cl_2. Colorless liq., pungent odor. Sp. gr. 1.66 (20°C). B.P. 69°C. Decomp. in water. Sol. acetic acid. Uses—in organic synthesis; as laboratory reagent. Grades—tech.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y

SUMAC EXTRACT

Extract from leaves and twigs of the sumac plant. Uses—tanning leather. Grades—liq.: stainless; ordinary; U.S.P.

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*American Dyewood Co, 285 Madison Ave, N Y
Hal Delphin & Co, 880 Bergen Ave, Jersey City 6, N J
*Alfred Hague & Co, 227 34 St, Bklyn, N Y

SUMATRA CAMPHOR see Borneol

SUPERFATTING AGENTS

American Lecithin Co, 57-01 32 Ave, Woodside, N Y
*Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Marlyn Chem Co, 156 & Forsythe, Calumet City, Ill
*M Michel & Co, 90 Broad St, N Y 4
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Robinson-Wagner Co, 110 E 42 St, N Y 17
Welch, Holme & Clark Co, 439 West St, N Y 14

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LIQUID Sulfur Dioxide ANSUL REG. U.S. PAT. OFF.

Reagent Grade... in Tank Cars . . . Multi-unit Cars . . . Drums . . . Ton Containers and Cylinders.

PURITY 99.98+% (by weight)

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Industrial Chemicals Division
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"ESOTOO" is "Virginia's" 99.98+% pure Liquid Sulfur Dioxide. Used in chemical manufacturing, textile processing and related industries; recommended for solvent extraction, oil activation, as a reaction medium and as an efficient reducing and neutralizing agent. Easy to ship, store, handle. Prompt delivery in cylinders, drums, and tank cars; any quantities for laboratory or plant use.

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VIRGINIA Chemicals

*Company classifies itself as manufacturer or producer of this product

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SINGLE AND TRIPLE AND OTHER FERTILIZERS

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Ammoniated Superphosphate:
5% nitrogen, 16% available P_2O_5

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SUPERPHOSPHATE (Acid Phosphate)

1. An acid phosphate. 2. Mixture of calcium phosphate and calcium sulfate. Uses—as fertilizer.

*American Agricultural Chem Co, 50 Church St, N Y 7
Associated Cooperatives, 312 Montgomery Ave, Sheffield, Ala
Bradley & Baker, 155 E 44 St, N Y 17
Chem for Agriculture, 848 Washington Bldg, Wash 5, D C
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
*Farmers Cotton Oil Co, Drawer 980, Wilson, N C
*International Minerals & Chem Co, 20 N Wacker Dr, Chicago 6, Ill
International Ore & Fertilizer Corp, 500 5 Ave, N Y 18
Joseph C Jett, Board of Trade Bldg, Norfolk 1, Va
Kingston Chem Co, 15 William St, N Y 5
*Kipfer Chem Co, P O Box 770, Harlington, Tex
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
Alex M McIver & Son, Peoples Bldg, Charleston, S C
Mutchler Chem Co, 258 Broadway, N Y 7
*Naco Fertilizer Co, Seargent Jasper Bldg, Charleston, S C
Republic Chem Corp, 94 Beekman St, N Y 38
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
*Summers Fertilizer Co, 194 Exchange St, Bangor, Me
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va

SURFACE ACTIVE AGENTS (An-Ionic)

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Alrose Chem Co, 180 Mill St, Cranston 5, R I
*American Cholesterol Products, Middlesex Co, N J
*American Cyanamid Co, Industral Chem Div, 30 Rockefeller Plaza, N Y 20
Antara Products Div, 435 Hudson St, N Y 14
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
John A Chew, 60 E 42 St, N Y 17
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
*E F Drew & Co, 15 E 26 St, N Y 10
*Fiber Chem Corp, Box 218, Matawan, N J
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*Marlyn Chem Co, 156 & Forsythe, Calumet City, Ill
M Michel & Co, 90 Broad St, N Y 4
*Miranol Chem Co, 16 Melville Pl, Irvington 11, N J
*Ninol Labs, 1719 S Clinton St, Chicago 16, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
Riches-Nelson, 342 Madison Ave, N Y 17
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
Ross & Rowe, 50 Broadway, N Y 4
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Titan Chem Products, Mill Rd & Wayne St, Jersey City, N J
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Van Dyk & Co, Main & William Sts, Belleville, N J
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
Welch, Holme & Clark Co, 439 West St, N Y 14
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J
*Wyandotte Chem Corp, Mich Alkali Div, Wyandotte, Mich

SURFACTANTS see advertisements on page 509 and individual listings

SUSPENSION AGENTS

Antara Products Div, 435 Hudson St, N Y 14
*Atlas Powder Co, 9 & Market Sts, Wilmington 99, Del
*Ciba Co, 627 Greenwich St, N Y 14
*E F Drew & Co, 15 E 26 St, N Y 10
*Floridin Co, 200 Liberty St, Warren, Pa
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Ninol Labs, 1719 S Clinton St, Chicago 16, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
Ross & Rowe, 50 Broadway, N Y 4
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

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*Company classifies itself as manufacturer or producer of this product

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Portland, Ore... 1416 N.W. Hoyt St.

SWEEPING COMPOUNDS

*Burns Allen Co, 58 Pearl St, Buffalo, N Y
*Chem Labs, 1017 Sampson, Houston 3, Tex
*Farmers Cotton Oil Co, Drawer 980, Wilson, N C
Kennedy Minerals Co, 2550 E Olympic Blvd, Los Angeles 23, Cal
E & F King & Co, 640 Pleasant St, Norwood, Mass
Merchants Chem Co, 60 E 42 St, N Y 17
*Jno C F Snyder & Sons, 2304 N 28 St, Phila, Pa

SYLVANIUM see Tellurium Metal

SYLVITE see Potassium Chloride

SYMMETRICAL CHLORBROMETHANE see Ethylene Chlorobromide

SYNCAINE see Procaine Hydrochloride

SYNTHETIC BARYTES see Blanc Fixe

SYNTHETIC HEAVY SPAR see Blanc Fixe

T.N.T. see Trinitrotoluene

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$Si_4O_{12}Mg_3H_2$. Refined is white, in impure state occurs in various shades, mostly green. Natural. Sp. gr. 2.7-2.8. Insol. Uses—mfr. refractory products, gas burner tips, making chalk, metallurgical molds, chemical apparatus, pencils, cores for electrical heating appliances, plastics, toilet, dusting and foot powd., cold water paints, roof cements, varnishes, magnesium salts, glazed kid, belt dressings, chamois leathers, artificial building stones, porcelains, potteries, ceramic glazes, lamp chimneys, asbestos products, composition flooring, crayons, coated, glazed, blotting and roofing papers, white, shoe and automobile polishes, lubricating, electrical insulating, glue, adhesive compositions; insulating compositions for covering steam pipes and the like; refining sugar syrups and molasses; filtering and deodorizing petroleum and other oils; filtering and purifying water; treating industrial waste waters; sizing and bleaching cottons; dressing leathers and skins; finishing, dyeing and printing textiles; as dusting powd. in foundry practice; chemical catalyst carrier; absorbent in dynamite; pigment; general absorbent;

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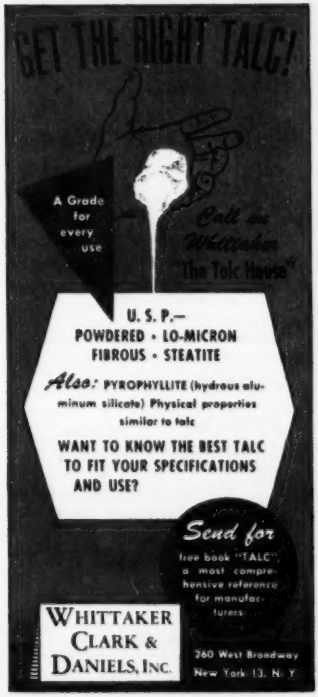
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*Company classifies itself as manufacturer or producer of this product

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American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Bendix Chem Corp, 420 Lexington Ave, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
E S Browning, 1515 3 St, San Francisco, Cal
Charles B Chrystal Co, 53 Park Pl, N Y 7
*Cohutta Talc Co, Box 363, Dalton, Ga
*Commercial Minerals Co, 310 Irwin St, San Francisco 7, Cal
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Stanley Doggett, 75 Varick St, N Y 13
*Eastern Magnesia Talc Co, 206 Bank St, Burlington, Vt
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
James H Furman Co, 59 E Van Buren St, Chicago 5, Ill
Georgia Peruvian Ochre Co, 165 Broadway, N Y 6
K F Griffiths & Co, 280 Madison Ave, N Y 16
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Hammill & Gillespie, 225 Broadway, N Y 7
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Harry Holland & Son, 95 Clinton St, Chicago 6, Ill
Howe & French, Mfg Dept, E Weymouth, Mass
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Kennedy Minerals Co, 2550 E Olympic Blvd, Los Angeles 23, Cal
E & F King & Co, 640 Pleasant St, Norwood, Mass
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Landers-Segal Color Co, 78 Delevan St, Bklyn 31, N Y
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Manufacturers Min Co, Box 3144, Seattle, Wash
McKesson & Robbins, 155 E 44 St, N Y 17
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
Merchants Chem Co, 60 E 42 St, N Y 17
Palmer Supplies Co, 8905 Lake Ave, Cleveland 2, Ohio
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
H N Richards Co, 1475 Prospect St, Trenton 8, N J
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
L A Salomon & Bro, 216 Pearl St, N Y 38
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Sierra Talc & Clay Co, 5509 Randolph St, Los Angeles 22, Cal
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Southern California Minerals Co, 320 S Mission Rd, Los Angeles 33, Cal
*Stauffer Chem Co, P O Box 68, N Portland, Ore
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
Witco Chem Co, 295 Madison Ave, N Y 17

TALCUM see Talc

TALLOW, ANIMAL

Allied Wax & Oil Products Corp, 145 Nassau St, N Y 7
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
Block Bros, 141-149 2 Ave S, Nashville 2, Tenn
Chematar Inc, Exchange Pl, N Y 5
*Concrete Specifications Surfacing Co, 2 Broadway, N Y
T G Cooper & Co, 2400 E Venango St, Phila 34, Pa
*Sidney P Craven, 2 Broadway, N Y
*Darling & Co, 4204 S Ashland Ave, Chicago 9, Ill
*Detroit Rendering Co, 2500 22 St, Detroit 16, Mich
Mutchler Chem Co, 258 Broadway, N Y 7
Oil & Chem Products, 295 Madison Ave, N Y 17
*George Pfau Sons Co, Jeffersonville, Ind
*Spiegel & Peiffer, 2 Broadway, N Y 4
Stevenson Bros & Co, 110 Race St, Phila 6, Pa
*Summers Fertilizer Co, 194 Exchange St, Bangor, Me
E J Verde & Co, 335 Produce Exchange, N Y 4
Welch, Holme & Clark Co, 439 West St, N Y 14
L N White & Co, 24 Stone St, N Y 4

TALLOW, BUFFING and POLISHING

*Buckingham Products Co, 14100 Fullerton Ave, Detroit 27, Mich
T G Cooper & Co, 2400 E Venango St, Phila 34, Pa
*Phoenix Oil Co, 9505 Cassius Ave, Cleveland, Ohio
*Puritan Mfg Co, P O Box 564, Waterbury 85, Conn

*Company classifies itself as manufacturer or producer of this product

TALLOW, MUTTON

Fat derived from solid fat or "suet" of sheep. Quality varies depending upon the season, food and age of the animal. Consists mainly of olein, stearin, and palmitin. Sp. gr. 0.937-0.953. Solidifying Pt. 36-41°C. Uses—mfr. of stearin and oleo oil, leather dressing, soap stock, food, candles, railway axle grease.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
Welch, Holme & Clark Co, 439 West St, N Y 14

TALLOW, SIZING

*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

TALLOW, SULFONATED

Obtained by treating tallow with sulfuric acid, thus adding the sulfate group and making the tallow water-sol. White paste. Uses—as softening or finishing agent on cotton or rayon piece goods. Grades—25% total fat, 50% total fat.

Antara Products Div, 435 Hudson St, N Y 14
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
Barclay Chem Co, 75 Varick St, N Y
Cole Labs, 42-45 9 St, L I C 1, N Y
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Royce Chem Co, Carlton Ave, Carlton Hill, N J
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
Welch, Holme & Clark Co, 439 West St, N Y 14
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

TALLOW, VEGETABLE

From fruit of Chinese tallow tree. Solid amorp. Sp. gr. 0.8843-0.9449. Solidification point 27-35°C. Saponification No. 198-206. Iodine No. 19-60. Acid No. 4.2-14.7. Uses—mfr. soaps, candles, paper pulp, lubricant compositions; dressing and finishing leather goods; foam preventative in beater; engraving and lithography. Grades—tech.

Dura Chem Co, 20 Vesey St, N Y 7
Wah-Chang Corp, 233 Broadway, N Y 7

TANKAGE

Obtained from garbage disposal and abattoir by-product plants. Uses—fertilizer. Grades—graded according to percentage of nitrogen (or ammonia) and phosphoric acid. Also as to source, fish, animal, etc.; 7%-12% ammonia; 15% B.P.L.

*American Agricultural Chem Co, 50 Church St, N Y 7
Bradley & Baker, 155 E 44 St, N Y 17
*Darling & Co, 4204 S Ashland Ave, Chicago 9, Ill
*Delany & Co, Milnor & Cottman Sts, Tacony 35, Pa
*Detroit Rendering Co, 2500 22 St, Detroit 16, Mich
Dickerson Co, Drexel Bldg, Phila 6, Pa
Samuel D Keim, Liberty Trust Bldg, Phila 7, Pa
Alex M McIver & Son, Peoples Bldg, Charleston, S C
*Spiegel & Peiffer, 2 Broadway, N Y 4
*Stauffer Chem Co, 420 Lexington Ave, N Y 17

TANNAGES, ONE-BATH

*Fiber Chem Corp, Box 218, Matawan, N J
*Mutual Chem Co of America, 270 Madison Ave, N Y 16

TANNIN see Acid, Tannic

TANNING EXTRACTS

Products obtained from certain barks and woods and used in tanning sole and other heavy leathers, that is, conversion of skins and hides into leather. Various methods of extraction are employed and the resulting liquors are evaporated to a thick liq. or solid. The active principal is in every case the quantity of tannin present. See also: Chestnut Extract, Divi-Divi, Gambier Extract, Hematine Extract, Hemlock Extract, Mangrove Extract, Cutch, Myrobalan Extract, Oak Extract, Quebracho Extract, Sumac Extract, Valonia Extract, etc.

*American Dyewood Co, 285 Madison Ave, N Y
Harvey J Boutin & Son, 7 Front St, San Francisco 11, Cal
Chem Service Corp, 82 Beaver St, N Y 5
Hal Delphin & Co, 880 Bergen Ave, Jersey City 6, N J
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Meves & Gregg, 110 N Front St, Phila 6, Pa
Olson Sales Agency, 20 Broad St, N Y 5
*Arthur C Trask Co, 4103 S LaSalle St, Chicago 9, Ill

TANNING GREASE see Degras

TANSTUFFS, SYNTHETIC

Antara Products Div, 435 Hudson St, N Y 14
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Fiber Chem Corp, Box 218, Matawan, N J
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

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Ta. M.W. 181.5. Rare metal of the vanadium family. At. No. 73. Gray platinum-like metal. Dens. 16.6. M.P. 2850°C. Insol. alkalies and acids, except hydrofluoric. Uses—as a substitute for platinum, in radio.

*Fansteel Metallurgical Corp, 2200 Sheridan Rd, N Chicago, Ill
Hooper Chem Corp, Box 313, Rutherford, N J
Metallurgical Products Co, 35 & Moore Sts, Phila 45, Pa

TANTALUM OXIDE

Ta_2O_5. M.W. 442. White pewd.; tasteless, odorless. Insol. in most acids except HF. Uses—"rare elements" optical glass, intermediate in prep. of tantalum carbide.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*Fansteel Metallurgical Corp, 2200 Sheridan Rd, N Chicago, Ill
*Hooper Chem Corp, Box 313, Rutherford, N J

TAPIOCA DEXTRIN see Dextrin

TAPIOCA FLOUR (Cassava, Manioca, Mandioc, Bahia Arrowroot, Rio Arrowroot)

From roots of Manihot Utilissima and Manihot Aipi. Solid white amorp. Swells with water. Uses—mfr. starch, baked products, confectionery, candies, food preps.; as textile size. Grades—medium; high and low grades under various markings.

Arabol Mfg Co, 110 E 42 St, N Y 17
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Dura Chem Co, 20 Vesey St, N Y 7
Oskar Eismann, 6059 71 St, Maspeth, L I, N Y
W R Grace & Co, 7 Hanover Sq, N Y 5
Morningstar Nicol, 630 W 51 St, N Y 19

TALC

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Ozokerite
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CHEMICALS FOR LEATHER TANNERS

TANOLIN* — The original one-bath chrome tan, available in 5 types—TANOLIN R, T, KXD, 225, W2XD—varying in basicity, alum and chrome content.

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ACIDOLENE* — Sulphonated oil fat liquors for all kinds of leather, including ACIDOLENE N, made of Newfoundland tanked cod oil.

TANNING SALTS AND EXTRACTS

A full line of specialties for specific leathers and finishes.

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MARTIN DENNIS DIVISION

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DIAMOND ALKALI COMPANY, Cleveland 14, O.

DIAMOND ALKALI CHEMICALS

*Company classifies itself as manufacturer or producer of this product



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Suppliers of Tapioca Products for all types of industry. 100 lb. bags to carlot quantities for immediate shipment. Tell us your requirements.

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1770 Canalport Ave., Chicago 16 • 630 W. 51st Street, New York 19

TAPIOCA FLOUR, continued

Paisley Products, 630 W 51 St, N Y
Herbert H Parker, 2 Broadway, N Y 4
Perkins Glue Co, Lansdale, Pa
Stein, Hall & Co, 285 Madison Ave N Y 17
Wah-Chang Corp, 233 Broadway, N Y 7
Welch, Holme & Clark Co, 439 West St, N Y 14

TAR CAMPHOR see Naphthalene

TARCANUM see Potassium Sulfate

TAR, COAL

Black liq. from destructive distillation of coal. Sp. gr. 1.08-1.25. Sol. ether, benzene, carbon disulfide, chloroform; partly sol. acetone.

American Tar Co, Ft Wallingford Ave, Seattle 3, Wash
*Barrett Div, 40 Rector St, N Y 6
S H Bell Co, 1514 Oliver Bldg, Pittsburgh 22, Pa
*Bethlehem Steel Co, 701 E 3 St, Bethlehem, Pa
*Carbolineum Wood Preserving Co, 528 W Highland Ave, Milwaukee 3, Wis
Chematar Inc, Exchange Pl, N Y 5
Coaltar Chem Corp, 420 Lexington Ave, N Y 17

TAR, COAL, continued

*Crowley Tar Products Co, 271 Madison Ave, N Y 16
Harry H Davidson, 17 State St, N Y 4
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*Donnar-Hanna Coke Corp, Box A, S Park Sta, Buffalo 20, N Y
Fourgera & Co, 75 Varick St, N Y 13
Interlake Iron Corp, 1900 Union Commerce Bldg, Cleveland 14, Ohio
J & L Steel Barrel Co, 311 Rose St, Pittsburgh 30, Pa
Jones & Loughlin Steel Co, 3 Ave & Roff St, Pittsburgh 3, Pa
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Milwaukee Solvay Coke Co, 311 E Greenfield Ave, Milwaukee, Wis
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
Chas Page & Co, 50 E 42 St, N Y 17
*Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
Republic Chem Corp, 94 Beekman St, N Y 38
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn
*U S Steel Corp, Coal Chem Sales Div, 525 Wm Penn Pl, Pittsburgh 30, Pa
*Wheeling Steel Corp, Wheeling, W Va

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*Barrett Div, 40 Rector St, N Y 6
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa

TAR, PINE

Black semi-solid. Peculiar terebine odor. From destructive distillation of Pinus palustris. Sp. gr. 1.03-1.07. B.P. 240-400°C. Sol. alcohol, ether, chloroform. Uses—mfr. roofing papers, cements, paints, varnishes, plastics, tar soaps, linoleum, oil-cloth, roofing and asphaltic compositions; paving roads and streets; general perservative; marine purposes. Grades—kiln burnt and retort.

*Godfrey L Cabot, 77 Franklin St, Boston, Mass
E W Colledge, G S A, P O Box 389, Jacksonville 1, Fla
Harry H Davidson, 17 State St, N Y 4
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
J C Drouillard Co, Rockefeller Bldg, Cleveland 13, Ohio
R Gesell, 200 W Houston St, N Y 14
*Glidden Co, Crestwood-Burton, Jacksonville, Fla
Hird & Conner, 88 Broad St, Boston 10, Mass
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
*Louisiana Pine Products Co, P O Box 814, Alexandria 4, La
*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20
H N Richards Co, 1475 Prospect St, Trenton 8, N J
T C Wilson Co, 503 Market St, San Francisco 5, Cal
Witco Chem Co, 295 Madison Ave, N Y 17

TAR, WOOD (Hardwood Tar)

Black viscous fluid. Uses—hardwood pitch, wood creosote (medicinals, etc.), heavy, high-boiling wood oils, wood preserving oils, paint thinners.

*Ford Motor Co, Iron Mt, Mich
*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn

TARA, PODS and POWDER

Vegetable tanning powd. from Peru. Yellow to white pods and powd. 50-55% tannin. Uses—tanning leather, substitute for sumac, mfr. of tannic acid, and pyrogallic acid, dyeing.

Colony Import & Export Corp, 11 E 44 St, N Y 17

TARS, FISH NET

*American Tar Co, Ft Wallingford Ave, Seattle 3, Wash
*Barrett Div, 40 Rector St, N Y 6
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
*Crowley Tar Products Co, 271 Madison Ave, N Y 16
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind

TARS, MOLD WASH

*Barrett Div, 40 Rector St, N Y 6
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa

TARS, ROAD

*Barrett Div, 40 Rector St, N Y 6
Chematar Inc, Exchange Pl, N Y 5
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind

TARS, SATURATING

*Barrett Div, 40 Rector St, N Y 6
*Crowley Tar Products Co, 271 Madison Ave, N Y 16

TARS, WATERPROOFING

*Barrett Div, 40 Rector St, N Y 6
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind

TARTAR EMETIC see Antimony Potassium Tartrate

TARTARUS see Potassium Tartrate

TARTARUS VITRIOLATUS see Potassium Sulfate

TARTRATED ANTIMONY see Antimony Potassium Tartrate

TAURINE

$NH_2CH_2CH_2SO_3H$. M.W. 125.14. White monoclinic crystalline solid. M.P. 240°C with decomp. Uses—mfr. of wetting agents, organic synthesis, pharmaceuticals.

*Aljo Chem Co, 1027 S Deacon St, Detroit, Mich
*Bios Labs, 17 W 60 St, N Y 23
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal

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High-boiling, unsaturated, aromatic-type hydrocarbon polymer. Important advantage is economy, especially where color is relatively unimportant. Used in low-cost paints and varnishes, bituminous paints, printing inks, core oils, saturating asphalts, flotation oils, soil sterilizers, wood preservatives, manufacture of carbon black.

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TELLURINE see Diatomaceous Earth

TELLURITE see Tellurium Oxide

TELLURIUM DIOXIDE see Tellurium Oxide

TELLURIUM (Metal) (Sylvanium)

Te. Dark-gray, crystalline or amorp. powd., non-metallic element. Sp. gr. 6.25. M.P. 451°C. B.P. 1390°C. Sol. conc. sulfuric acid, nitric acid, potassium hydroxide, and potassium cyanide solutions. Uses—mfr. tellurium compounds, alloys; in ceramics and photography; as chemical catalyst; in medicine. Grades—tech.

*American Smelting & Refining Co, 120 Broadway, N Y 5
*Delta Chem Works, 23 W 60 St, N Y
Faesy & Besthoff, 325 Spring St, N Y 13
*Phelps Dodge Refining Corp, 40 Wall St, N Y 5
*U S Smelting, Refining & Mining Co, 57 William St, N Y 5

TELLURIUM OXIDE (Tellurium Dioxide, Tellurite)

TeO_2. M.W. 159.61. White, odorless crystals. Sp. gr. 5.89. M.P. 700°C. Sublimes 450°C. Sl. sol. water, dilute acids; sol. conc. acids and alkalies. Forms unstable salts with HNO_3 and H_2SO_4. Grades—C.P.

Amend Drug & Chem Co, 117-119 E 24 St, N Y

TEREBENTHENE see Turpentine Spirits

TERMINALA CHEBULA see Myrobalan Extract

TERPENE see Dipentene

TERPIN HYDRATE (Dipentene Glycol)

$C_{10}H_{20}O_2 \cdot H_2O$. Uses—drugs; raw material for terpineol.

J T Baker Chem Co, Phillipsburg, N J
*Gane's Chem Works, 677 II Ave, N Y 22
*Gane & Ingram, 43 W 16 St, N Y 11
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
Lack Chem Co, 19 Park Pl, N Y 7
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Seydel Chem Co, 225 Mercer St, Jersey City 2, N J

TERPINEOL

$C_{10}H_{18}O$. M.W. 154.24. Colorless liq., lilac odor. Uses—perfumery.

American-British Chem Supplies, 180 Madison Ave, N Y
Aromatic Products, 15 E 30 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Dodge & Olcott, 180 Varick St, N Y 14
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
Geo Lueders & Co, 427 Washington St, N Y 13
*Newport Industries, 230 Park Ave, N Y 17
Tombarel Products Corp, 12 E 22 St, N Y 10
*Verona Chem Co, 26 Verona Ave, Newark, N J

a-TERPINEOL

$C_{10}H_{18}O$. M.W. 154.14. Transparent, colorless cryst. Sp. gr. at 15.5°C, 0.939. M.P. 35°C (pure), 25-30° C (tech.). B.P. 219°C. Insol. in water; sol. in alcohol and ether. Uses—mfr. synth. perfumes, terpin hydrate, liq. terpineol, dipentene; in detergents; solvent for resins; denaturant for alcohol; medicinal and pharmaceutical preps. Grades—tech.

Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Newport Industries, 230 Park Ave, N Y 17

TERRA ALBA (White Clay) —see also Kaolin

$CaSO_4 2H_2O$. A finely pulverized powd. made from selected gypsum. Uses—mfr. paints, paper, artificial marble, composition plastics, wall plastics, etc.

*Desmo Chem Corp, 565 5 Ave, N Y 17
Hammill & Gillespie, 225 Broadway, N Y 7
L A Salomon & Bro, 216 Pearl St, N Y 38
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*U S Gypsum Co, 300 W Adams St, Chicago 6, Ill

TERRA CARIOSA see Rotten Stone

TERRA JAPONICA see Cutch

TERRA MERITA see Turmeric

TERRA PONDEROSA see Blanc Fixe

TERRA SILICEA see Diatomaceous Earth

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$C_{19}H_{28}O_2$. M.W. 288.22. White crystalline powd. Uses—in medicine as the male sex hormone.

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
Chemtech Products Corp, 62 William St, N Y 5
Conray Products, 510 6 Ave, N Y 11
Continental Commodities Corp, 230 Park Ave, N Y 17
Fallek Products Co, 163 Broadway, N Y 6
*Glidden Co, 5165 W Moffat, Chicago 39, Ill
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Lamex Chem Corp, 25 Broadway, N Y 4
*Mann Fine-Chem, 136 Liberty St, N Y 6
*Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Organics Inc, 1724 W Greenleaf Ave, Chicago 26, Ill
Edgar Ostrander Co, 220 5 Ave, N Y 1
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Soya Products Div, 1825 N Laramie Ave, Chicago 39, Ill
Sterol Derivatives, 3626 Medford St, Los Angeles 63, Cal
Sterone Corp, 250 W 57 St, N Y 19
George Uhe Co, 76 9 Ave, N Y 14

TESTOSTERONE PROPIONATE

$C_{22}H_{32}O_3$. M.W. 344.48. Solid. M.P. 118°-122° C. Uses—in medicine as a male sex hormone.

American Roland Corp, 16 Hudson St, N Y
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Bendix Chem Corp, 420 Lexington Ave, N Y
Chemtech Products Corp, 62 William St, N Y 5
Conray Products, 510 6 Ave, N Y 11
Fallek Products Co, 163 Broadway, N Y 6
*Glidden Co, 5165 W Moffat, Chicago 39, Ill
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Lamex Chem Corp, 25 Broadway, N Y 4
*Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Organics Inc, 1724 W Greenleaf Ave, Chicago 26, Ill
Edgar Ostrander Co, 220 5 Ave, N Y 1
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Soya Products Div, 1825 N Laramie Ave, Chicago 39, Ill

TESTOSTERONE PROPIONATE, continued

Sterol Derivatives, 3626 Medford St, Los Angeles 63, Cal
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TETRABROMOETHANE see Acetylene Tetrabromide

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*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, S I, N Y
*Hilton-Davis Chem Co, 2355 Langdon Farm Rd, Cincinnati 12, Ohio

TETRABROMO-m-CRESOL-SULFONPHTHALEIN see Bromocresol Green

TETRABROMOPHENOLSULFONPHTHALEIN see Bromophenol Blue

TETRACHLORMETHANE see Carbon Tetrachloride

TETRACHLOROBENZENE 1:2:4:5

$C_6H_2Cl_4$. M.W. 215.9. White crystalline solid, almost no odor. Uses—impregnant for fire and moisture resistance, electrical insulation, etc.; insecticides; chemical intermediate.

Advance Solvents & Chem Corp, 245 8 Ave, N Y 16
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y

TETRACHLOROETHANE see Acetylene Tetrachloride

TETRACHLOROETHYLENE (Carbon Bichloride, Carbon Dichloride, Perchlorethylene)

$CCl_2.CCl_2$. M.W. 165.83. Colorless non-inflammable liq., ether-like odor. Lbs./gal. 13.5. Sp. gr. 1.632. F.P. —22.4°C. B.P. 120.8°C. V.D. at 15°C., lbs./cu. ft. 0.438. Latent Heat of Vap., B.T.U./lb. 90.1. S.H. Cal./Kg./°C. or B.T.U./lb./°F., 216 at 20°C. Sol. alcohol, ether; insol. water. Uses—mfr. dry cleaning soaps, detersive compounds, organic preps., as dry-cleaning solvent; in organic synthesis, as general solvent. Grades—tech.

American Firstoline Corp, 420 Lexington Ave, N Y
American Mineral Spirits Co, 155 E 44 St, N Y 17
F B Browning Co, 150 Broadway, N Y
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
Dixo Co, 225 River Rd, Garfield, N J
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Ecclestone Chem Co, 2669-79 Chabin St, Detroit 7, Mich
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Wm S Gray & Co, 342 Madison Ave, N Y 17
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
Riches-Nelson, 342 Madison Ave, N Y 17
Slater-Robbins Co, 28-44 Borden Ave, L I C, N Y

TETRACHLOROPHENOL SULFONPHTHALEIN see Chlorophenol Blue

2,4,5,6-TETRACHLOROPHENOL

C_6HCl_4OH. M.W. 231.8. Brown solid with characteristic phenol odor. Sp. gr. 1.65 at 60/4°C. Sol. sodium hydroxide solutions, most organic solvents; insol. water. Uses—as a fungicide; as a wood preservative.

Chapman Chem Co, 707 Dermon Bldg, Memphis, Tenn
*Ciba Co, 627 Greenwich St, N Y 14
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo

TETRACHLOROPHTHALIC ANHYDRIDE

$C_6Cl_4(CO)_2O$. M.W. 285.9. M.P. 254-255°C. B.P. approx. 362°C. White odorless powd. Uses—intermediate.

*Niagara Alkali Co, 60 E 42 St, N Y 17

TETRADECANOL

$C_4H_9CH(C_2H_5)C_2H_4CH(OH)CH_2CH(CH_3)_2$. M.W. 214.38. B.P. 264°C. Mild odor, stable. Uses—anti-foaming agent; intermediate in mfr. of plasticizers, perfume esters, cosmetic bases, dyestuffs, wetting agents, detergents, flotation agents, and insecticides.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Humphrey-Wilkinson, De Vine St, N Haven, Conn

tert-TETRADECYL MERCAPTAN

$C_{14}H_{29}SH$. M.W. 230.90. B.R. 116-138°C. Uses—rubber modification, chemical intermediate.

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TETRAETHYL PYROPHOSPHATE

$(C_2H_5O)_4P_2O_7$. M.W. 354. Viscous liq. Sol. water. Uses—powerful insecticide.

*Bios Labs, 17 W 60 St, N Y 23
*California Spray-Chem Corp, Lucas & Ortho Way, Richmond, Cal
Florida Agricultural Supply Co, 1611 Talleyrand Ave, Jacksonville, Fla
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*John Powell & Co, 1 Park Ave, N Y 16
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

TETRAETHYL o-SILICATE see Ethyl Silicate

TETRAETHYL THIURAM DISULFIDE

$[(C_2H_5)_2NCS_2]_2$. M.W. 296.52. Cream color. Uses—vulcanizing agent; primary or secondary accelerator; retarder for Neoprene.

Conray Products, 510 6 Ave, N Y 11
*E I Du Pont de Nemours & Co, Organic Chem Dept, Rubber Chem Div, Wilmington 98, Del
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Sharples Chem, 123 S Broad St, Phila 9, Pa

TETRAETHYLENE GLYCOL

$HO(C_2H_4O)_3C_2H_4OH$. M.W. 194.23. Colorless, hygroscopic liq. B.P. 327.3°C. Sol. in water; insol. in benzol, toluol, or gasoline. Sp. gr. 1.1248 at 20/20° C. Wt. per gal., 9.4 lbs. at 20°C. Uses—solvent for nitrocellulose; general plasticizer; heat transfer medium; intermediate in mfr. resins.

*Dow Chem Co, Midland, Mich

TETRAETHYLENE GLYCOL ESTERS

*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa

TETRAHYDROFURANE

$(H_2C)_2O:(CH_2)_2$. M.W. 76.09. B.P. 42°C. Water-white; chloroform odor. Uses—solvent for cellulose esters, alkyd resins, synth. rubber, vinyls; intermediate in synthesis of adipic and succinic acids.

*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio

TETRAHYDROFURFURYL OLEATE

*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio

TETRAHYDROXYQUINONE

$C_6O_2(OH)_4$. M.W. 172.1. Black cryst. Uses—sulfate titration indicator. L. Sol. water, alcohol; sl. sol. ether.

*Bios Labs, 17 W 60 St, N Y 23
*S W Shattuck Chem Co, 1805 S Bannock St, Denver, Col
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y

TETRAMETHYLAMIDOPHENTHIAZINIUM see Methylene Blue

TETRAMETHYL THIURAM DISULFIDE

Conray Products, 510 6 Ave, N Y 11
*E I Du Pont de Nemours & Co, Grasselli Chem Dept & Organic Chem Dept, Rubber Chem Div, Wilmington 98, Del
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Sharples Chem, 123 S Broad St, Phila 9, Pa

TETRAMETHYLENE DIBROMIDE

*Halogen Chem, 1505 Charlton Dr, Columbia, S C
*Matheson Co, Paragon Div, E Rutherford, N J
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich
*Sapon Labs, 543 Union St, Bklyn, N Y

TETRAMETHYLTHIONINCHLORHYDRATE see Methylene Blue

TETRANE see Butane

TETRAOXYPHTHALOPHENONANHYDRIDE see Fluorescein

TETRAPHENYL STANNANE see Tetraphenyl Tin

TETRAPHENYL TIN (Tetraphenyl Stannane)

$(C_6H_5)_4Sn$. M.W. 427. M.P. 228°C. B.P. 424°C. Practically odorless, white to light tan fine, free flowing cryst. Uses—HCl scavenger for use with stabilizers in chlorinated compounds; preservative for mineral oils; reagent in chemical synthesis.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Bios Labs, 17 W 60 St, N Y 23

TETRAPHOSPHORUS TRISULFIDE see Phosphorus Sesquisulfide

TETRAPOTASSIUM PYROPHOSPHATE

$K_4P_2O_7$. M.W. 330.48. White powd. Somewhat hygroscopic in air. Solubility in 100 g. in 100 g. H_2O @ 25°C. (Solubility for tetrasodium pyrophosphate is 5 g. in 100 g. H_2O @ 25°C). Uses—with textile oils and soaps, degumming oils, soap builder for liq. soaps and shampoos, dyeing and penetrating oils.

Adams-Henry Chem Co, 32 Broadway, N Y 4
John D Lewis, 68 Traverse St, Providence 1, R I
Wm Lynn Chem Co, 121-129 N Davidson St, Indianapolis 2, Ind
Maas Chem Co, 4570 Ardine St, S Gate, Cal
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

TETRASODIUM ETHYLENEDIAMINE TETRAACETATE

$(NaOOCCH_3)_4(CH_2N)_2{\cdot}2H_2O$. M.W. 416. White crystalline powd. Sol. water. Uses—soap clarifier; complexing agents for alkali earths and heavy metals.

*Alrose Chem Co, 180 Mill St, Cranston 5, R I
*Bersworth Chem Co, 609 Waverly St, Framingham, Mass
*Bios Labs, 17 W 60 St, N Y 23
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

TETRAZOLIUM, BLUE

Dajac Labs, 511 Lancaster St, Leominster, Mass

TEXTILE SPECIALTIES

*Amalgamated Chem Corp, Rorer & Ontario Sts, Phila 34, Pa
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Clarion Chem Corp, 17-31 George St, Newark 5, N J

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*Company classifies itself as manufacturer or producer of this product

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Detergent M — Tergavon C
Ultravon W

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Coprantine Fixer WF —Coprantine Dye After-treating Agent
Sapamine KWC —Softener
Sapamine KW (Paste) —Softener
Sapamine MS Conc. —Softener
Sapamine WL —Softener
Lyofix SB Conc. —Dye Fixing Agent
Lyofix SBK (Liquid) —Dye Fixing Agent

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Sapamine FLK —Textile Softener

DISPERSION
Albatex PO
Solvadine K

OXIDIZING
Albatex BD—Prevents reduction in Keir boiling and facing in discharge printing.

DELUSTRANT
Radul S
Radul W

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Migasol PJ—One bath water-repellent also substantive water-repellent for Wool

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Solvadine BL Conc. — Invadine B
Solvadine NC Conc. — Invadine C Conc.
Solvadine R — Invadine D
Accozine — Invadine N
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TEXTILE SPECIALTIES (continued)

Continental Chem Co, 195 21 Ave, Paterson, N J
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
*E F Drew & Co, 15 E 26 St, N Y 10
*E I Du Pont de Nemours & Co, Grasselli Chem Dept & Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Eastern Color & Chem Co, 137 Canal St, Providence, R I
*Emery Industries, 4300 Carew Tower, Cincinnati 2, Ohio
*Fiber Chem Corp, Box 218, Matawan, N J
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Joy Chem Co, 133 Webster St, Pawtucket, R I
*Kearny Mfg Co, Box 61, Kearny, N J
*Kelco Co, 31 Nassau St, N Y 5
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Leatex Chem Co, 2722 N Hancock St, Phila 33, Pa
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Perkins Soap Co, 210 Albany St, Springfield, Mass
*Polymer Industries, 284 Sheffield Ave, Bklyn 7, N Y
*Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J
*Scher Bros, 519 Getty Ave, Clifton, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Southern Dyestuff Corp, 521 5 Ave, N Y 17
*Standard Soap Co of Camden, 205 S 2 St, Camden, N J
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
*Warwick Chem Co Div, Wood River Junction, R I
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

TEXTILE WEIGHTING COMPOUNDS

*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
Continental Chem Co, 195 21 Ave, Paterson, N J
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Polymer Industries, 284 Sheffield Ave, Bklyn 7, N Y
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
*Warwick Chem Co Div, Wood River Junction, R I
Welch, Holme & Clark Co, 439 West St, N Y 14
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

THALLIUM ACETATE

*Chem Commerce, 411 South St, Newark 5, N J
*City Chem Corp, 132 W 22 St, N Y 11
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J

THALLIUM CHLORIDE

TlCl. White, crystalline powd. Becomes violet on exposure to light. Sp. gr. 7. M.P. 430°C. Uses—tungsten lamps, medicine; catalyst in chlorination processes.

*Chem Commerce, 411 South St, Newark 5, N J
*City Chem Corp, 132 W 22 St, N Y 11
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J

THALLIUM FORMATE

*Chem Commerce, 411 South St, Newark 5, N J
*City Chem Corp, 132 W 22 St, N Y 11

THALLIUM IODIDE

*Chem Commerce, 411 South St, Newark 5, N J
*City Chem Corp, 132 W 22 St, N Y 11

THALLIUM METAL

Tl. M.W. 204.39. Sp. gr. 11.85. M.P. 302°C. B.P. 1457 ±10°C.

*American Smelting & Refining Co, 120 Broadway, N Y 5
*Chem Commerce, 411 South St, Newark 5, N J
City Chem Corp, 132 W 22 St, N Y 11
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
International Selling Corp, 70 Pine St, N Y 5
M Michel & Co, 90 Broad St, N Y 4

THALLIUM SALTS

American Firstoline Corp, 420 Lexington Ave, N Y
Chem Service Corp, 82 Beaver St, N Y 5
*City Chem Corp, 132 W 22 St, N Y 11
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
Philipp Bros Chem, 37 Wall St, N Y
Var-Lac-Oid Chem Co, 116 Broad St, N Y 4

THALLIUM(ous) SULFATE

Tl_2SO_4. Solid white or colorless powd. Sp. gr. 6.76. M.P. 632°C. Sol. water. Uses—chemical catalyst; in alloys; as a rat poison; insecticide; in photoelectric cells; for treating fabrics to prevent attacks of insects and mildew; in medicine; in glass mfr.; to prolong life in tungsten lamps; as an anti-knock addition to motor fuel. Grades—tech.

American-British Chem Supplies, 180 Madison Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23

*Company classifies itself as manufacturer or producer of this product

THALLIUM (ous) SULFATE, continued

*City Chem Corp, 132 W 22 St, N Y 11
Cole Labs, 42-25 9 St, L I C 1, N Y
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
Failek Products Co, 163 Broadway, N Y 6
International Selling Corp, 70 Pine St, N Y 5
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Var-Lac-Oid Chem Co, 116 Broad St, N Y 4

THEINE see Caffeine

THENARD'S BLUE see Cobalt Blue

THEOBROMINE (3,7 Dimethylxanthine)

$C_7H_8O_2N_4$. M.W. 180. White bitter crystalline powd. Uses—medicine.

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
Failek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Gane & Ingram, 43 W 16 St, N Y 11
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Maywood Chem Works, Maywood, N J
*Merck & Co, 100 Lincoln Ave, Rahway, N J
Mutchler Chem Co, 258 Broadway, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
George Uhe Co, 76 9 Ave, N Y 14

THEOBROMINE SODIUM SALICYLATE (Diuretin)

Mixture of sodium theobromine and sodium salicylate in molecular proportions, containing 1 H_2O. White, odorless or nearly odorless, hygroscopic powd. Sol. water; sl. sol. alcohol. Uses—medicine, vetr. medicine.

American Roland Corp, 16 Hudson St, N Y
J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
Chematar Inc, Exchange Pl, N Y 5
Conray Products, 510 6 Ave, N Y 11
Failek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Gane & Ingram, 43 W 16 St, N Y 11
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
George Uhe Co, 76 9 Ave, N Y 14

THEOCIN see Theophylline

THEOPHYLLINE (Theocin, 1,3-Dimethylxanthine)

$C_7H_8O_2N_4.H_2O$. M.W. 198.11. White, odorless, bitter crystalline powd. Uses—in medicine as diuretic.

Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Benzol Products Co, 237 South St, Newark 25, N J
*Edward S Burke, 65 Pine St, N Y
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
Conray Products, 510 6 Ave, N Y 11
Failek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Gane's Chem Works, 677 5 Ave, N Y 22
*Gane & Ingram, 43 W 16 St, N Y 11
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Sterone Corp, 250 W 57 St, N Y 19
George Uhe Co, 76 9 Ave, N Y 14

THEOPHYLLINE ETHYLENEDIAMINE see Aminophylline

THIALDINE

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

THIAMINE HYDROCHLORIDE see Vitamin B_1

Fine Chemicals BPC

THEOPHYLLINE

BENZOL PRODUCTS CO.
237 SOUTH STREET NEWARK 5, N. J.

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Established 1929
Factory, Carlstadt, N. J.
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Gane's Chemical Works, Inc.
677 FIFTH AVENUE, NEW YORK 22, NEW YORK

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Use KELTEX for clean printing, true color, perfect penetration, easily regulated flow. Requires only a light rinse for removal.

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Cable Address: KELCOALGIN—New York

THICKENERS, LATEX

*Armour & Co, 1355 W 31 St, Chicago 9, Ill
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Kelco Co, 31 Nassau St, N Y 5
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Rubba Inc, 1015 E 173 St, N Y

THICKENING AGENTS

American Firstoline Corp, 420 Lexington Ave, N Y
Antara Products Div, 435 Hudson St, N Y 14
*Ciba Co, 627 Greenwich St, N Y 14
*Dow Chem Co, Midland, Mich
*E F Drew & Co, 15 E 26 St, N Y 10
T M Duche & Sons, 117-119 Hudson St, N Y 13
*Kelco Co, 31 Nassau St, N Y 5
Kem Products Co, 227-229 High St, Newark 2, N J
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*M Michel & Co, 90 Broad St, N Y 4
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Tennessee Eastman Co, 10 E 40 St, N Y 16
*Witco Chem Co, 295 Madison Ave, N Y 17

THINNERS, PAINT, VARNISH, LACQUER

Volatile liq. whose principal use is to reduce paint, varnish or lacquer to the desired consistency for brushing or spraying, which evaporate when the film is applied to a surface. Additional factors are: solvent action, dispersive effect, rate of evaporation, effect of storage, residue after evaporation, wetting action, odor, toxic effect, effect on brushing and leveling, effect on viscosity, etc.

*American Mineral Spirits Co, 155 E 44 St, N Y 17
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
C P Chem Solvents, 60 Park Pl, Newark 2, N J
Chem Service Corp, 82 Beaver St, N Y 5
*Chemsol Inc, 70 Prince St, Elizabeth 3, N J
*Dagmar Chem Co, P O Box 343, Glenbrook, Conn
Wm S Gray & Co, 342 Madison Ave, N Y 17
J W Guthrie Co, 725 2 St, San Francisco 7, Cal
*Industrial Chem Co, 610 Hearst Ave, Berkeley, Cal
*Lacquer Specialties, 249 Ave P, Newark 5, N J
*Merrimac Div, Monsanto Chem Co, Boston 49, Mass
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
*Potter Paint Co, 21 Crawford St, Cortland, N Y
*R & A Leather Finish Co, 812 E 43 St, Bklyn 10, N Y

THINNER, PAINT, VARNISH, LACQUER, continued

B Rauschkolb & Co, 225 W 34 St, N Y 1
*Reliance Varnish Co, 4730 Crittenden Dr, Louisville 9, Ky
Republic Chem Corp, 94 Beekman St, N Y 38
*George Senn, 2200 E Westmoreland St, Phila 34, Pa
*Sunnyside Oil Co, 2212 W Sunnyside Ave, Chicago 25, Ill
*Union Oil Co of Cal, 617 W 7 St, Los Angeles 17, Cal

THIOCARBAMIDE see Thiourea

THIOCARBANILIDE (Sulfocarbanilide, a-b-Diphenylthiourea)

$CS(NHC_6H_5)_2$. Colorless crystalline leaflets. Sp. gr. 1.3205. M.P. 154°C. Sol. alcohol, ether. Uses—mfr. sulfur dyes, indigo, intermediate chemicals, aloin pharmaceuticals; as vulcanization accelerator. Grades—tech. 99.5%; lump; powd.

*Distillation Products Industries, Rochester 3, N Y
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
National Aniline Div, 40 Rector St, N Y 6

THIODIETHYLENE GLYCOL (Thiodiglycol, Di-2-Hydroxyethyl Sulfide)

$HOCH_2CH_2SCH_2CH_2OH$. M.W. 122.18. Non-volatile; hygroscopic; practically colorless. Sol. water. Uses—in printing with vat dyestuffs; pasting basic dyestuffs, such as indulines and nigrosines, difficult to dissolve.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

THIODIGLYCOL see Thiodiethylene Glycol

THIODIPHENYLAMINE see Phenothiazine

THIOGLYCEROL (Thioglycerin)

$HSCH_2CHOHCH_2OH$. M.W. 108.15. Colorless, viscous liq. B.P. 100°C at 1 mm. Uses—mfr. of permanent wave solution and depilatories.

Evans Chemetics, 250 E 43 St, N Y 17

THIONYL CHLORIDE

$SOCl_2$. Colorless liq. B.P. 78°C. Decomp. in water. Uses—chlorinating agent in making intermediates, organic chemicals, dyestuffs, pharmaceuticals, and acid chlorides.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Fallek Products Co, 163 Broadway, N Y 6
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
Republic Chem Corp, 94 Beekman St, N Y 38

THIOPHENE

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*Bios Labs, 17 W 60 St, N Y 23

2-THIOPHENE ALDEHYDE

C_4H_3SCHO. M.W. 112.14. Colorless to faintly yellowish liq.; odor similar to benzaldehyde. Sensitive to light and oxygen. Uses—research in pharmaceuticals, perfume, dyes, rubber additives, photographic chemicals.

*Bios Labs, 17 W 60 St, N Y 23

THIOPHOSPHORIC ANHYDRIDE see Phosphorous Pentasulfide

THIOSEMICARBAZIDE (Amino Thiourea)

$NH_2CSNHNH_2$. M.W. 91.13. White crystalline powd. Uses—reagent for ketones and certain metals; photography; rodenticide nontoxic to humans.

American Roland Corp, 16 Hudson St, N Y
Conray Products, 510 6 Ave, N Y 11
Edwal Labs, Ringwood, Ill
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
Fallek Products Co, 163 Broadway, N Y 6

THIOUREA (Thiocarbamide, Sulfourea)

$NH_2CS.NH_2$. White, solid crystalline. Sp. gr. 1.406. M.P. 180°C. Sublimes at 150-160°C. Sol. cold water, ammonium thiocyanate solution, and ether. Uses—mfr. intermediates, rayon, synth. pharmaceuticals dyestuffs, artificial resins; photographic developer; as insecticide; in medicine; sulfide coating mirrors. Grades—tech.

Adams-Henry Chem Co, 32 Broadway, N Y 4
American Firstoline Corp, 420 Lexington Ave, N Y
Amplex Co, 60 Wall St, N Y
*Ca.co Chem Div, Bound Brook, N J
Chem Service Corp, 82 Beaver St, N Y 5
*Ciba Co, 627 Greenwich St, N Y 14
Fallek Products Co, 163 Broadway, N Y 6
Hummel Chem Co, 90 West St, N Y 6
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Terra Chem, 801 2 Ave, N Y 17
George Uhe Co, 76 9 Ave, N Y 14
United Sterling Corp, 37 E 28 St, N Y

THORIUM NITRATE

$Th(NO_3)_4+4H_2O$. White crystalline masses. Decomp. on heating. Sol. water, alcohol. Uses—mfr. gas mantles, thorium compounds. Grades—tech.; C.P.

J T Baker Chem Co, Phillipsburg, N J
*Hooper Chem Corp, Box 313, Rutherford, N J
*Lindsay Light & Chem Co, 258 Ann St, W Chicago, Ill
*Maywood Chem Works, Maywood, N J
*Rare Earths, Box 488 R D 4, Paterson, N J
*Var-Lac-Oid Chem Co, 116 Broad St, N Y 4

THORIUM OXIDE

ThO_2. M.W. 264.12. White powd. Insol. cold acid, water. Uses—in refractories, glass, thoriated tungsten filaments.

Charles Gitlan & Co, 25 Beaver St, N Y 4
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Hooper Chem Corp, Box 313, Rutherford, N J
*Lindsay Light & Chem Co, 258 Ann St, W Chicago, Ill
*Maywood Chem Works, Maywood, N J
*Rare Earths, Box 488 R D 4, Paterson, N J

o-METHYLAMINOPHENOL see o-Anisidine

THYME CAMPHOR see Thymol

THIOCYANATES see advertisement on this page and individual listings

THYMIODE see Thymol Iodide

THYMIODOL see Thymol Iodide

THYMODIN see Thymol Iodide

THYMOL (Thyme Camphor, Isopropylmetacresol, Thymic Acid, Methylpropylphenol, p-Propylmetacresol, Hydroxy-p-Cymene, Methylhydroxyisopropyl Benzene)

Baker THIOCYANATES

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Reagent—N. F.—and Tech.

AMMONIUM Reagent—Purified—and Tech.

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J. T. BAKER CHEMICAL CO.

PHILLIPSBURG, N. J.

New York • Boston • Philadelphia • Los Angeles • Chicago • Toronto

*Company classifies itself as manufacturer or producer of this product

THYMOL, continued

$C_6H_3(CH_3)OH(C_3H_7)$. M.W. 150.11. Colorless cryst., aromatic odor. Sp. gr. 0.969. M.P. 51.5°C. B.P. 231.8°C. Sol. alcohol, carbon disulfide, chloroform, oils, alkali, ether; sl. sol. water, glycerine. Uses—mfr. thymol derivatives, perfume preps., cosmetics, toilet articles, tooth powd.; laboratory reagent; food preservative; embalming; microscopy; in medicine. Grades—U.S.P.; tech.

J T Baker Chem Co, Phillipsburg, N J
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Chem Service Corp, 82 Beaver St, N Y 5
Chemtech Products Corp, 62 William St, N Y 5
Conray Products, 510 6 Ave, N Y 11
Dodge & Olcott, 180 Varick St, N Y 14
Falek Products Co, 163 Broadway, N Y 6
Florasynth Labs, 1513 Olmstead Ave, N Y 61
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Geo Lueders & Co, 427 Washington St, N Y 13
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
George Uhe Co, 76 9 Ave, N Y 14

THYMOL BLUE (Thymol Sulfonphthalein)

$C_{27}H_{30}O_5S$. M.W. 466.5. Green to brownish green crystalline powd., characteristic odor. Uses—pH indicator - pH range 1.2 (red) to 2.8 (yellow) and 8.0 (yellow) to 9.6 (blue).

Barclay Chem Co, 75 Varick St, N Y
*Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*LaMotte Chem Products Co, Towson 4, Md
*National Aniline Div, 40 Rector St, N Y 6

THYMOL IODIDE (Dithymol Diiodide; Aristol; Annidalin; Thymotol; Iodistol; Iodohydromol; Iodosol; Iosol; Iothymol; Thymiode; Thymiodol; Thymodin)

J T Baker Chem Co, Phillipsburg, N J
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

THYMOL PHTHALEIN

$O.CO.C_6H_4C:(C_{10}H_{13}O)_2$. M.W. 430.38. Colorless needles. Uses—reagent, indicator.

*Fine Organics, 211 E 19 St, N Y 3
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*National Aniline Div, 40 Rector St, N Y 6

THYMOL SULFONPHTHALEIN see Thymol Blue

THYMOTOL see Thymol Iodide

TIN CHLORIDE (Stannous Chloride, Tin Crystals, Stannochlor, Tin Protochloride, Tin Dichloride)

$SnCl_2$ (Stannochlor, Anhydrous Stannous Chloride). White. M.P. 246°C. B.P. 632°C. Uses—in organic reactions and fused salt tinning; $SnCl_2.2H_2O$ (Tin Crystals). M.P. 37.7°C. B.P. decomp. Sol. in water and tartaric acid. Uses—mfr. lakes, inks; mordant; ceramic glazes; silvering glass mirrors; tin electroplating; reducing agent intermediates, organic chemicals, dyestuffs. Grades—tech.

American Firstoline Corp, 420 Lexington Ave, N Y
*Baker & Adamson Products, 40 Rector St, N Y
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
McKesson & Robbins, 155 E 44 St, N Y 17
*Metal Thermit Corp, 100 E 42 St, N Y 17
Prior Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

TIN FLUOBORATE (Stannous Fluoborate)

$Sn(BF_4)_2$. M.W. 292.3. 47% solution. Colorless liq. Uses—in tin and tin alloy plating baths; sensitizing plastic before silver plating.

*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

MONSANTO

THIOUREA

(also known as thiocarbamide, sulfocarbamide, sulfourea)

Specifications: White, free-flowing crystals; moisture 0.50% max.; ash 0.05% max.

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division
St. Louis 4, Mo.

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MONSANTO
CHEMICALS—PLASTICS

TINKAL see Sodium Borate

TIN NAPHTHENATE

M.W. 580 average. 20% metal. Amber-brown solid, sol. hydrocarbons. Uses—anti-oxidant and sludge preventive in lube oils.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
Mathe Chem Co, 169 Milbank St, Lodi, N J

TIN OLEATE

City Chem Corp, 132 W 22 St, N Y 11

TIN OXALATE (Stannous Oxalate)

SnC_2O_4. White powd. Sol. in moderately strong hydrochloric acid. Uses—coal hydrogenation catalyst; also in dyeing and printing. Grades—tech.; C.P.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*City Chem Corp, 132 W 22 St, N Y 11

TIN OXIDE (Stannic Oxide, Tin Dioxide, Tin Ash)

SnO_2. White powd. Sp. gr. 6.6-6.9. Infusible sublimes at around 1550°C. Sol. fused alkalies. Uses—in ceramic stains and as a white glaze opacifier; polishing agent for marble and granite; putty powd. Grades—tech., C.P.

American Firstoline Corp, 420 Lexington Ave, N Y
Chem Service Corp, 82 Beaver St, N Y 5
K F Griffiths & Co, 280 Madison Ave, N Y 16
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Metal Thermit Corp, 100 E 42 St, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38

TIN POWDER

Sn. 99.80%+. Furnished in 100, 200, 300 mesh.

*Metals Disintegrating Co, P O Box 290, Elizabeth, N J
*Thomas J Shields Co, 11 Water St, N Y 4

TIN PROTEINATE

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Wilson Labs, 4221 S Western Ave, Chicago 9, Ill

TIN SULFATE (Stannous Sulfate)

$SnSO_4$. White cryst. Sol. in water. Uses—electroplating tin. Grades—tech.; C.P.

Amend Drug & Chem Co, 117-119 E 24 St, N Y

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TIN CHEMICALS

Sodium Stannate
Stannous Chloride (Anhydrous)
Stannous Sulphate
Stannous Oxalate
Stannous Oxide
Tin Oxide
Tin Tetrachloride
Organo Tin Chemicals
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TIN SULFATE, continued

*City Chem Corp, 132 W 22 St, N Y 11
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Metal Thermit Corp, 100 E 42 St, N Y 17

TIN TETRACHLORIDE (Stannic Chloride)

$SnCl_4$. Fuming, colorless liq. Sp. gr. 2.23. F.P. 33°C. B.P. 114°C. Dissolves in water (caution!). Uses—silk weighting; organic syntheses; color lakes. Grades—tech., C.P.

E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Hooper Chem Corp, Box 313, Rutherford, N J
*Metal Thermit Corp, 100 E 42 St N Y 17

TITANIA see Titanium Dioxide

TITANIC CHLORIDE see Titanium Tetrachloride

TITANIUM (Metal)

Ti. At. Wt. 47.9. Metallic element of the carbon group, dark gray, amorp. Sp. gr. 4.5. M.P. 1800°C. Insol. in water; sol. warm hydrochloric acid. Uses—mfr. of alloys.

*E I Du Pont de Nemours & Co, 111 Sutter St, San Francisco, Cal
*Metal Hydrides, 16 Congress St, Beverley, Mass

TITANIUM DIOXIDE (Titanic Acid Anhydride, Titanium White, Titania)

TiO_2. White to black crystalline powd. Sp. gr. 3.75-4.25. M.P. 1560°C. Sol. conc. sulfuric acid. Uses—mfr. vitreous enamels; arc-welding rod coatings; opacifier for paper; pigmentation of white rubber; pigment for printing textiles, titanium salts, paint and varnish pigment; catalyst in making intermediates, dyestuffs, and organic chemicals. Grades—tech.; pure.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
Amplex Co, 60 Wall St, N Y
Barclay Chem Co, 75 Varick St, N Y
Leo Berbeirch, 198 Broadway, N Y 38
F M Browning Co, 150 Broadway, N Y 38
*Calco Chem Div, Bound Brook, N J
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
*Chem & Pigment Co, 6401 St Helena Ave, Baltimore 22, Md
*E I Du Pont de Nemours & Co, 111 Sutter St, San Francisco, Cal
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
Dyechem Products Corp, 60 Broad St, N Y 4
Fallek Products Co, 163 Broadway, N Y 6
Fine Chem Co, 156 E 42 St, N Y 17
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Hummel Chem Co, 90 West St, N Y 6
International Selling Corp, 70 Pine St, N Y 5
*H Kohnstamm & Co, 83 Park Pl, N Y 7
Legion Chem, 70 Wall St, N Y 5
Legion Export & Import Co, 261 W 15 St, N Y 11
Boto Leopold, Woolworth Bldg, N Y 7
*Linde Air Products Co, 30 E 42 St, N Y 17
Mackim Products Co, 1775 Broadway, N Y 19
Manufacturers Chem Co, 527 5 Ave, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
Chas Page & Co, 50 E 42 St, N Y 17
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Scher Bros, 519 Getty Ave, Clifton, N J
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
*Titanium Products Corp, 111 Broadway, N Y 6
*Toledo Paint & Chem Co, 33 Blucher St, Toledo 1, Ohio
George Uhe Co, 76 9 Ave, N Y 14
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
Witco Chem Co, 295 Madison Ave, N Y 17

TITANIUM HYDRIDE

*Metal Hydrides, 16 Congress St, Beverley, Mass

TITANIUM POTASSIUM OXALATE

$TiO(CO_3.CO_2K)_2.2H_2O$. M.W. 354.13. Greenish-white lustrous cryst. Sol. water. Uses—mordant in cotton and leather dyeing.

J T Baker Chem Co, Phillipsburg, N J
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Lindsay Light & Chem Co, 258 Ann St, W Chicago, Ill

*Company classifies itself as manufacturer or producer of this product

TITANIUM TETRACHLORIDE (Titanic Chloride)

$TiCl_4$. M.W. 189.73. Colorless liq., absorbs moisture and evolves dense fumes. Sp. gr. 1.726. F.P. —30°C. B.P. 136.4°C. Sol. dilute hydrochloric acid, and water. Uses—mfr. titanium compounds; for producing iridescent effects in glass and artificial pearls; mordant in dyeing and printing textiles; smoke screens in military warfare. Grades—tech.

American Firstoline Corp, 420 Lexington Ave, N Y
*Stauffer Chem Co, 420 Lexington Ave, N Y 17

TITANIUM WHITE see Titanium Dioxide

TITANYL SULFATE

$TiOSO_4.2H_2O$. Press cake with 50% sulfuric acid. Sol. water. Uses—mfr. dye strippers. Grades—tech.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*Clarion Chem Corp, 17-31 George St, Newark 5, N J
L & R Organic Products & Co, 50 White St, N Y 13
*Titanium Pigment Corp, 111 Broadway, N Y 6

Tobacco Dust

Chapman Chem Co, 707 Dermon Bldg, Memphis, Tenn
Faery & Besthoff, 325 Spring St, N Y 13
Merchants Chem Co, 60 E 42 St, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
*Taylor Chem Co, Box 337, Aberdeen, N C
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

TOLIDINE (o-Tolidine, o-Diaminoditoyl, Dimethylbenzidine, Diamidodiethyldiphenyl)

$[C_6H_3(CH_3)NH_2]_2$. 1:3:4. White to reddish plates. M.P. 128°C. Sol. alcohol, ether; sl. sol. water. Uses—mfr. dyestuffs. Grades—tech. 96%.

Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa
*National Aniline Div, 40 Rector St, N Y 6

o-TOLIDINE see Tolidine

o-TOLIDINE DIHYDROCHLORIDE (Dimethyl Benzidine Hydrochloride)

$C_{14}H_{16}N_2.2HCl$. M.W. 285.21. White cryst. Uses—colorimetric determination of chlorine in water.

Carwin Co, Stiles Lane, N Haven, Conn
*Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa
*National Aniline Div, 40 Rector St, N Y 6
Nitrogen Products, 450 7 Ave, N Y 1

a-TOLUAMIDE see Phenyl Acetamide

TOLUENE see Toluol

TOLUAZOTOLUIDINE see Amino-Azotoluene

p-TOLUENEDIAMINE

$C_6H_2(CH_3)(NH_2)_2$. Colorless, crystalline tablets. M.P. 99°C. B.P. 280°C. Sol. water, alcohol, ether. Uses—mfr. dyestuffs. Grades—tech.

Republic Chem Corp, 94 Beekman St, N Y 38

p-TOLUENESULFONAMIDE

$CH_3C_6H_4SO_2NH_2$. White, solid crystalline. M.P. 137° C. Sol. alcohol. Uses—mfr. saccharine; in organic synthesis. Grades—tech.

Bendix Chem Corp, 420 Lexington Ave, N Y
*City Chem Corp, 132 W 22 St, N Y 11
*Hexagon Labs, 3536 Peartree Ave, Bronx 60, N Y
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Riches-Nelson, 342 Madison Ave, N Y 17

p-TOLUENESULFONAMIDE SODIUM SALT see Chloramine T, Mono

p-TOLUENESULFONCHLORIDE

$CH_3C_6H_4SO_2Cl$. Rhombic cryst. M.P. 69°C. B.P. 145-146°C. Sol. alcohol, ether. Uses—mfr. acetic anhydride, saccharin, intermediates, organic chemicals, dyestuffs, picramide, salicylaldehyde, methylaniline, paratoluenesulfanilide. Grades—tech.

Bendix Chem Corp, 420 Lexington Ave, N Y
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Riches-Nelson, 342 Madison Ave, N Y 17

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p-TOLUENE SULFO ETHYL ETHER see Ethyl p-Toluene Sulfonate

o-TOLUIDINE

C_7H_9N. M.W. 107.08. Light yellow liq., red on exposure. Sp. gr. 1.00037. B.P. 199°C. Sol. alcohol, ether; very sl. sol. water. Uses—mfr. dyes, flotation oil, saccharin, intermediates, organic chemicals; vulcanization accelerator. Grades—tech. (97-98%).

Antara Products Div, 435 Hudson St, N Y 14
Bendix Chem Corp, 420 Lexington Ave, N Y
Braun Corp, 2260 E 15 St, Los Angeles 21, Cal
Chem Service Corp, 82 Beaver St, N Y 5
Falkek Products Co, 163 Broadway, N Y 6
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Jensen & McClelland, 510 N Dearborn St, Chicago 10, Ill
Legion Chem, 70 Wall St, N Y 5
National Aniline Div, 40 Rector St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38

p-TOLUIDINE

C_7H_9N. M.W. 107.8. White plates or leaflets. Sp. gr. 1.046. M.P. 43.7°C. B.P. 200.3°C. Sol. alcohol, ether; very sl. sol. water. Uses—mfr. primulin colors, magenta, intermediates, dehydrothiotoluidine, metanitro paratoluidine, aceparatoluidine, organic chemicals. Grades—tech. (98.5%).

Antara Products Div, 435 Hudson St, N Y 14
Bendix Chem Corp, 420 Lexington Ave, N Y
Falkek Products Co, 163 Broadway, N Y 6
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
National Aniline Div, 40 Rector St, N Y 6
Republic Chem Corp, 94 Beekman St, N Y 38
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y

TOLUIDINES (Mixed) (Aminotoluene)

Mixture of ortho, meta, and para $CH_3C_6H_4.NH_2$. Reddish-brown or light yellow liq. Sol. alcohol, ether; sl. sol. water. Use—mfr. dyestuffs, flotation oil, saccharin and other pharmaceuticals, primuline and magenta dyes, fuchsine and safranine dyes, intermediates, organic chemicals; rubber accelerator. Grades—tech.

*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Republic Chem Corp, 94 Beekman St, N Y 38

a-TOLUNITRILE see Benzyl Cyanide

TOLUOL (Toluene, Methylbenzene, Methylbenzol, Phenylmethane)

$CH_3C_6H_5$. M.W. 92.06. Colorless refractive liq., benzol-like odor. Sp. gr. 0.86137 (15°C). M.P. —95.1°C. B.P. 110.7°C. Sol. alcohol, benzol, ether. Uses—mfr. intermediates, organic chemicals, benzoic acid, benzaldehyde, toluidines, pharmaceutical compounds, dyestuffs, tolidines, synth. perfumery, saccharin, sodium benzoate, TNT, rubber cements, stains, and enamels; solvent for coatings in making artificial leather; extracting alkaloids and garbage; solvent in dehairing and other degreasing operations; dry cleaning agent; dressing and finishes for leather, etc.; solvent for rubber, lacquers, varnishes, dopes, fats, oils, rosin; cleansing base. Grades—pure; commercial; straw colored.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*American Mineral Spirits Co, 155 E 44 St, N Y 17
W H Barber Co, 3650 S Homan Ave, Chicago 32, Ill
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
S H Bell Co, 1514 Oliver Bldg, Pittsburgh 22, Pa
Benzol Distributors, Georges Rd & Penn RR, Dayton, N J
Bergstrom Trading Co, 233 Broadway, N Y
*Bethlehem Steel Co, 701 E 3 St, Bethlehem, Pa
F M Browning Co, 150 Broadway, N Y 38
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Calco Chem Div, Bound Brook, N J
Central Solvents & Chem Co, 2545 W Congress St, Chicago 12, Ill
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
*Colorado Fuel & Iron Corp, Continental Oil Bldg, Denver, Col
Conray Products, 510 6 Ave, N Y 11
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*Donnar-Hanna Coke Corp, Box A, S Park Sta, Buffalo 20, N Y
Wm S Gray & Co, 342 Madison Ave, N Y 17
Interlake Iron Corp, 1900 Union Commerce Bldg, Cleveland 14, Ohio
International Selling Corp, 70 Pine St, N Y 5
J & L Steel Barrel Co, 311 Rose St, Pittsburgh 30, Pa
Jones & Loughlin Steel Co, 3 Ave & Roff St, Pittsburgh 3, Pa
Kingston Chem Co, 15 William St, N Y 5
*Lewis Co, 232 Canal St, N Y 13

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*Milwaukee Solvay Coke Co, 311 E Greenfield Ave, Milwaukee, Wis
Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 7, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
Naph-Sol Refining Co, 2560 W 3 St, Cleveland, Ohio
*Neville Co, 190 Neville Is, Pittsburgh 25, Pa
Nitrogen Products, Georges Rd & Penn RR, Dayton, N J
Ohio Solvents & Chem Co, 3470 W 140 St, Cleveland 11, Ohio
*Oil & Chem Products, 295 Madison Ave, N Y 17
Chas Page & Co, 50 E 42 St, N Y 17
*Pan American Refining Corp, 122 E 42 St, N Y 17
Penola Oil Co, 3780 Penobscot Bldg, Detroit 26, Mich
Philipp Bros Chem, 37 Wall St, N Y
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
Phillips & Martin Co, 5524 N Wolcott Ave, Chicago, Ill
*Pittsburgh Coke & Chem Co, 1905 Grant Bldg, Pittsburgh 30, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
George Senn, 2200 E Westmoreland St, Phila 34, Pa
J W Stark Co, 804 New Center Bldg, Detroit 2, Mich
J U Starkweather Co, 241 Allens Ave, Providence, R I
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*U S Steel Corp, Coal Chem Sales Div, 525 Wm Penn Pl, Pittsburgh 30, Pa
*Wheeling Steel Corp, Wheeling, W Va

m-TOLYLENE DIAMINE

$CH_3C_6H_3NH_2$. M.W. 122.17. Solid. M.P. 99°C. B.P. 284°C. Sol. hot water, alcohol, ether.

Antara Products Div, 435 Hudson St, N Y 14
L & R Organic Products Co, 50 White St, N Y 13

TOLYL ALDEHYDE (p-Methyl Benzaldehyde)

$CH_3C_6H_4CHO$. B.P. 85-90°C. at 5 mm. Sp. gr. at 28° C. 1.015. Colorless liq. Uses—artificial flavor, synth. aromatic, pharmaceutical and dyestuff intermediate. Grades—tech.; pure.

Dodge & Olcott, 180 Varick St, N Y 14
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
*Verona Chem Co, 26 Verona Ave, Newark, N J

m-TOLYL DIETHANOLAMINE

$(HOC_2H_4)2NC_6H_4CH_3$. M.W. 195. Uses—dyestuff intermediate.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
*Tennessee Eastman Co, 10 E 40 St, N Y 16

TONERS, ALKALI

Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Calco Chem Div, Bound Brook, N J
Filo Color & Chem Corp, 202 E 44 St, N Y
*H Kohnstamm & Co, 83 Park Pl, N Y 7

TONERS, ALKALI BLUE

Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
*Calco Chem Div, Bound Brook, N J
Filo Color & Chem Corp, 202 E 44 St, N Y
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20 Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17

TONERS, LITHOGRAPHIC

*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, S I, N Y
Barclay Chem Co, 75 Varick St, N Y

TONERS, LITHOGRAPHIC (continued)

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Calco Chem Div, Bound Brook, N J
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
*Hilton-Davis Chem Co, 2355 Langdon Farm Rd, Cincinnati 12, Ohio
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Magruder Color Co, 2385 Richmond Terrace, S I 2, N Y
*Marx Max Color & Chem Co, 192 Coit St, Irvington, N J
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Senefelder Co, 32-34 Greene St, N Y 13
*Sherwin-Williams Co, 100 Park Ave, N Y 17

TONERS, METHYL VIOLET

*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, S I, N Y
Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
*Calco Chem Div, Bound Brook, N J
*E I Du Pont de Nemours & Co, 111 Sutter St, San Francisco, Cal
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*London Chem Co, 325 W 32 St, Chicago, Ill
*Magruder Color Co, 2385 Richmond Terrace, S I 2, N Y
*Marx Max Color & Chem Co, 192 Coit St, Irvington, N J
Edward Mendell Co, 24 W 45 St, N Y 19
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill

TONERS, METHYL VIOLET, PERMANENT

*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, S I, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
*Calco Chem Div, Bound Brook, N J
Filo Color & Chem Corp, 202 E 44 St, N Y
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Magruder Color Co, 2385 Richmond Terrace, S I 2, N Y
*Marx Max Color & Chem Co, 192 Coit St, Irvington, N J
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Western Dry Color Co, 600 W 52 St, Chicago 9, Ill

TONERS, PAINT

*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, S I, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
*Federal Color Labs, 4633 Forest Ave, Norwood 12, Ohio
Filo Color & Chem Corp, 202 E 44 St, N Y
*Hilton-Davis Chem Co, 2355 Langdon Farm Rd, Cincinnati 12, Ohio
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Magruder Color Co, 2385 Richmond Terrace, S I 2, N Y
*Marx Max Color & Chem Co, 192 Coit St, Irvington, N J
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17

TONERS, PHOTOGRAPHIC

*Edwal Labs, Ringwood, Ill
Norman-Willets Co, 316 Washington St, Chicago 6, Ill

TONERS, RED

Used to produce brilliant red shades in textiles, leather, paints, coatings, etc.: 1. Para Toner, brilliant red with a purple undertone, fairly permanent, but bleeding or striking through; 2. Toluidine Toner, a bright fiery red, more yellow than blue in undertone, more permanent than para, non-bleeding; 3. Lithol Toner, brilliant red with blue undertone, not as permanent as toluidine toner.

*Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, S I, N Y
Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Bklyn Color Works, 681 Morgan Ave, Bklyn 22, N Y
*Calco Chem Div, Bound Brook, N J
*E I Du Pont de Nemours & Co, 111 Sutter St, San Francisco, Cal
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
Fallek Products Co, 163 Broadway, N Y 6
Filo Color & Chem Corp, 202 E 44 St, N Y
Gen Dyestuff Corp, 435 Hudson St, N Y 14
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Hilton-Davis Chem Co, 2355 Langdon Farm Rd, Cincinnati 12, Ohio
*H Kohnstamm & Co, 83 Park Pl, N Y 7
Edward Mendell Co, 24 W 45 St, N Y 19
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Western Dry Color Co, 600 W 52 St, Chicago 9, Ill

TONKA-BEAN CAMPHOR see Coumarin

TOUGHENING AGENTS, RUBBER

American Firstoline Corp, 420 Lexington Ave, N Y
*Godfrey L Cabot, 77 Franklin St, Boston, Mass
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa

TOXILIC ANHYDRIDE see Maleic Anhydride

TRAGASOL see Gum, Locust Bean

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American Firstoline Corp, 420 Lexington Ave, N Y

TRIACETIN (Glyceryl Triacetate)

$C_3H_5(C_2H_3O_2)_3$. Colorless, odorless liq. Sp. gr. 1.1606 (15°C.). B.P. 258.9°C. Sol. alcohol, ether, and organic solvents; sl. sol. water. Uses—mfr. intermediates, perfumery; plasticizing agent in plastics and lacquers. Grades—67%.

*American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
W W Angus, 220 Broadway, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Conray Products, 510 6 Ave, N Y 11
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
*Kay-Fries Chem, 180 Madison Ave, N Y 16
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Kingston Chem Co, 15 William St, N Y 5
*Tennessee Eastman Co, 10 E 40 St, N Y 16
*George W Whitesides Co, 31 & Mich Dr, Louisville 12, Ky

TRIALUMINUM PHOSPHATE

Approx. chem. analysis Al_2O_3 30.9%. P_2O_5 44.0%. Loss on ign. 25.2%. pH 6.2% (on 5% suspension). Refracted Index (aver.) 1.548=0.005 (Ng — Np=low). Uses—in ink mfr., paper and glass.

*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

2,4,6-TRIAMINOBENZENE TRIHYDROCHLORIDE

$C_6H_9N_3$·3HCl. M.W. 232.55. Solid. M.P. anhydrous base 129°C; hydrate 84-86°C. Sol. water; sl. sol. alcohol; insol. ether. Uses—dye and resin intermediate organic synthesis.

*Bios Labs, 17 W 60 St, N Y 23
*Edwal Labs, Ringwood, Ill

2,4,6-TRIAMINOTOLUENE TRIHYDROCHLORIDE

$C_6H_2CH_3(NH_2$·HCl$)_3$. M.W. 264.55. Light tan solid. M.P. 119°C. Sol. water, alcohol, acetone; insol. benzene. Uses—non-gelatin photographic emulsion, wetting and frothing agent component; in photographic developers to reduce grain size and decrease fog; coupling agent in making chrome colors for wool; intermediate in organic synthesis.

*Edwal Labs, Ringwood, Ill

*Company classifies itself as manufacturer or producer of this product

TRIAMMONIUM PHOSPHATE see Ammonium Phosphate, Tri

TRIAMYLAMINE

$(C_5H_{11})_3N$. M.W. 227.27. Yellowish liq. Distillation range, 230°C.-269/C. Sp. gr. (20°.) 0.7937 Poise. Viscosity (20°C) 0.02421 Poise. Refractive Index 1.4374 (18°C). Surface Tension (13°C) 24.4 Dynes/cm. Sp. Heat at room temp., 0.51 cal./gram. Heat of Vap., 79 cal./gram. Coefficient of Expan. between 20°C. 60°C., 0.00091. Flash Point, 174°F. Insol. water. Completely sol. gasoline. Uses—as a substitute in fields where monoamylamine and diamylamine are used; for retarding discoloration of gasoline in dye industry. Purity, minimum 95%.

*Sharples Chem, 123 S Broad St, Phila 9, Pa

TRIBROMOMETHANE see Bromoform

2,4,6-TRIBROMOPHENOL

$C_6H_3OBr_3$ M.W. 330.8. Light pink cryst. with a faint characteristic odor and sweet astringent taste. M.P. 92°C. Sublimes. Sol. in alcohol and ether, but very sl. sol. in water. Uses—mfr. disinfectant and antiseptic pharmaceuticals.

*Dow Chem Co, Midland, Mich
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

TRIBROMOPHENOL-BISMUTH see Bismuth Tri Bromophenate

TRIBUTOXY ETHYL PHOSPHATE

Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Ohio-Apex, Nitro, W Va
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
Wisconsin Solvents & Chem Corp, 1719 S 83 St, Milwaukee 14, Wis

TRIBUTYLAMINE

$(C_4H_9)_3N$. Pale yellow liq. B.P. 216.5°C. Sp. gr. 0.778 at 20°C. Only sl. sol. water, but miscible with most organic solvents. Uses—solvent.

*Sharples Chem, 123 S Broad St, Phila 9, Pa

TRIBUTYL BORATE see Butyl Borate

TRIBUTYL "CELLOSOLVE"* PHOSPHATE

(*Reg. Trade-Mark—Carbide & Carbon Chemicals Co.)

Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Ohio-Apex, Nitro, W Va
Republic Chem Corp, 94 Beekman St, N Y 38
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J

TRIBUTYL CITRATE

Barclay Chem Co, 75 Varick St, N Y
*E I Du Pont de Nemours & Co, Organic Chem Dept, Kinetic Chem Div, Wilmington 98, Del
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
*Smith-N Y Co, 61 Hampton Pl, Freeport, N Y

TRIBUTYL PHOSPHATE

$(C_4H_9)_3PO_4$. A very stable liq. of low volatility. Sp. gr. 0.9763 at 20/20°C. Flash point 145°C. B.P. approx. 175°C at 23 mm. of mercury. Uses—a super-high boiling solvent for nitrocellulose lacquers, dopes, and inks; excellent plasticizer for pyroxylin.

*Commercial Solvents Corp, 17 E 42 St, N Y 17

TRICALCIC PHOSPHATE see Calcium Phosphate, Tribasic

TRICALCIUM o-PHOSPHATE see Calcium Phosphate, Tribasic

TRICALCIUM o-ARSENATE see Calcium Arsenate

TRICALCIUM PHOSPHATE see Calcium Phosphate, Tribasic

1,2,2-TRICHLOR ETHYLENE see Trichloroethylene

TRICHLOROBENZENE 1:2:4

$C_6H_3Cl_3$. M.W. 181.39. Sp. gr. 1.574. B.R. 2° range including 214½°C. Miscible with alcohols, ether, petroleum products, aromatic solvents, naphthas, turpentine, acetone, carbon tetrachloride.

Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Dow Chem Co, Midland, Mich
*Hooker Electrochem Co, 4715 Buffalo Ave, Niagara Falls, N Y
*Kolker Chem Works, 80 Lister Ave, Newark 5, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo

TRICHLORODIPHENYL OXIDE

*Dow Chem Co, Midland, Mich

NIAGARA
for TRICHLORethylene

The most modern production facilities in the industry assure high quality and superior stability in NIALK TRICHLORethylene.

NIAGARA ALKALI COMPANY

60 East 42nd Street, New York 17, New York

NIALK* Liquid Chlorine · NIALK Caustic Potash · NIALK Carbonate of Potash
NIALK Caustic Soda · NIALK Paradichlorobenzene · NIALK TRICHLORethylene
NIAGATHAL* (Tetrachloro Phthalic Anhydride) *Trade-mark

1,1,1-TRICHLOROETHANE (Methyl Chloroform)

$C_2H_3Cl_3$. M.W. 133.4. Clear, colorless, non-inflammable liq. Uses—general purpose solvent where it does not contact aluminum.

*Dow Chem Co, Midland, Mich

TRICHLOROETHYLENE (Chlorylene, Westrosol, 1, 2, 2,-Trichlor Ethylene)

$CHCl:CCl_2$. M.W. 131.38. Colorless liq., characteristic odor. Heat of Vap., 104.5. Sp. gr. 1.472. F.P. —88°C. V.D. 0.278. B.P. 86.7°C. Lbs./gal., 12.25. Sol. alcohol, ether. S.H. 0.233. Uses—mfr. indigo and other dyestuffs, intermediates, organic chemicals, detersive soaps, pharmaceuticals, perfumes, paints, varnish, leather, rubber; solvent for fats, oils, etc.; degreasing bones for bone glue; laboratory reagent; general solvent. Grades—high purity.

Aceto Chem Co, 82 Beaver St, N Y 5
American Firstoline Corp, 420 Lexington Ave, N Y
American Mineral Spirits Co, 155 E 44 St, N Y 17
Barada & Page, Guinotta & Mich Ave, Kansas City 1, Mo
Barclay Chem Co, 75 Varick St, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
F M Browning Co, 150 Broadway, N Y 38
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
John A Chew, 60 E 42 St, N Y 17
Chem Mfg Co, 21 West St, N Y 6
Chem Service Corp, 82 Beaver St, N Y 5
Central Solvents & Chem Co, 2545 W Congress St, Chicago 12, Ill
Commercial Chem, 614 Ellicott Square, Buffalo 3, N Y
Conray Products, 510 6 Ave, N Y 11
Detrex Corp, P O Box 501, Detroit 32, Mich
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co Electrochem Dept, Wilmington 98, Del
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Farber Products Co, 226 Lafayette St, N Y 12
Gaillard Schlesinger Chem Co, 92 Liberty St, N Y
Wm S Gray & Co, 342 Madison Ave, N Y 17
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Industrial Chem Products Co, 422 E Beacon St, Dayton 2, Ohio
Industrial Raw Materials Corp, 575 Madison Ave, N Y 22
International Selling Corp, 70 Pine St, N Y 5
Kingston Chem Co, 15 William St, N Y 5
Legion Export & Import Co, 261 W 15 St, N Y 11

TRICHLORETHYLENE

John A. Chew
incorporated
Industrial & Fine Chemicals
60 East 42nd Street
NEW YORK 17, N. Y.
MU 2-0993

TRICHLORETHYLENE

carbon tetrachloride
perchlorethylene
solvents · alkalies · acids

Industrial Chemicals

L. J. & M. LAPLACE

EAST PATERSON, N. J.

FAIRLAWN 6-4850-1-2 BRYANT 9-8069

*Company classifies itself as manufacturer or producer of this product

MONSANTO
TRICRESYL PHOSPHATE

Specifications: Clear, practically colorless liquid sp. g. at 25°/25° C., 1.166 ± 0.007; acidity (as H_3PO_4) 0.01% max.; free phenols (permanganate test), a distinct purple color to be present after 30 minutes.

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division
St. Louis 4, Mo.

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MONSANTO
CHEMICALS – PLASTICS

TRICHLOROETHYLENE (continued)

*Lewis Co, 232 Canal St, N Y 13
McKesson & Robbins, 155 E 44 St, N Y 17
Mercantile Import & Export Corp, 21 E 40 St, N Y 16
Merchants Chem Co, 60 E 42 St, N Y 17
Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 7, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
*Niagara Alkali Co, 60 E 42 St, N Y 17
Chas Page & Co, 50 E 42 St, N Y 17
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Shapiro & Novick, 60 Broad St, N Y 4
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Slater-Robbins Co, 28-44 Borden Ave, L I C, N Y
George F Smith, 60 E 42 St, N Y 17
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
Jos Turner & Co, Ridgefield, N J
United Sterling Corp, 37 E 28 St, N Y
A T Wagner Co, 2720 Wight St, Detroit 7, Mich
Welch, Holme & Clark Co, 439 West St, N Y 14
*Western Chem Co, Box 703, Altoona, Pa
Wolverine Solvents & Chem Co, 1500 Century Ave, Grand Rapids 9, Mich
Zehrung Chem Co, 2201 N W 20 Ave, Portland 9, Ore

TRICHLOROFLUOROMETHANE

Ansul Chem Co, Marinette, Wis

TRICHLOROMONOFLUOROMETHANE

Ansul Chem Co, Marinette, Wis
Dixo Co, 225 River Rd, Garfield, N J
*E I Du Pont de Nemours & Co, Organic Chem Dept, Kinetic Chem Div, Wilmington 98, Del
Matheson Co, Paragon Div, E Rutherford, N J

TRICHLORONITROMETHANE see Chloropicrin

2,4,5-TRICHLOROPHENOL

$Cl_3C_6H_2OH$. M.W. 197.5. Gray flakes to sublimed mass. Very sol. alcohol, benzene, carbon tetrachloride, ether; insol. water. Uses—bactericide and fungicide used mainly in leather and adhesive industries.

*Dow Chem Co, Midland, Mich

TRICHLOROPROPANE

*Ciba Co, 627 Greenwich St, N Y 14
*Kolker Chem Works, 80 Lister Ave, Newark 5, N J
Penola Oil Co, 3780 Penobscot Bldg, Detroit 26, Mich
*Shell Chem Corp, 50 W 50 St, N Y 20

TRICHLOROPROPENE see Allyl Chloride

TRICHLOROTRIFLUOROETHANE

Matheson Co, Paragon Div, E Rutherford, N J

TRICRESYL PHOSPHATE

$C_{21}H_{21}O_4P$. Water-white to straw-colored liq. Sp. gr. 1.167 (20°C). B.P. 275-296°C. Non-inflammable; Refractive Index. 1.556; congealing point below —20°C; viscosity (at 23.7°C) 102; dielectric strength 137 Kv., miscible in all proportions with lacquer solvents and diluents. Sol. ether, alcohol, chloroform, benzol, and glacial acetic acid; insol. water. Uses—plasticizer in cellulose ester varnishes, lacquers and plastics. Grades —C.P.; tech.

American-British Chem Supplies, 180 Madison Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
Bergstrom Trading Co, 233 Broadway, N Y
F M Browning Co, 150 Broadway, N Y 38
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Celanese Corp of America, 180 Madison Ave, N Y 16
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
Coaltar Chem Corp, 420 Lexington Ave, N Y 17
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
Kingston Chem Co, 15 William St, N Y 5
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
*Ohio-Apex, Nitro, W Va
Chas Page & Co, 50 E 42 St, N Y 17
Philipp Bros Chem, 37 Wall St, N Y
Phillips & Martin Co, 5524 N Wolcott Ave, Chicago, Ill
*Pittsburgh Coke & Chemical Co, 1905 Grant Bldg, Pittsburgh 30, Pa
Reinhart Chem Corp, 405 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
George Uhe Co, 76 9 Ave, N Y 14
Wisconsin Solvents & Chem Corp, 1719 S 83 St, Milwaukee 14, Wis

TRIETHANOLAMINE (Tri-Hydroxyethyl Amine)

$(HOCH_2CH_2)_3N$. Technical is a mixture of triethanolamine, diethanolamine, and monoethanolamine. Oily almost colorless liq., ammonia odor. Sp. gr. 1.12-1.13 at 20/20. B.P. 277°C. at 150 mm. Sol. alcohol, water, chloroform. Uses—mfr. synth. resins; increasing penetration of organic liquids into cellular wood fibre; for the absorption of acetic gas; prep. of dry-cleaning soaps; for prep. of emulsions; mfr. of cosmetic soaps; for increasing the dispersion of dyes.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
F M Browning Co, 150 Broadway, N Y 38
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
Conray Products, 510 6 Ave, N Y 11
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Dow Chem Co, Midland, Mich
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Jefferson Chem Co, 711 Fifth Ave, N Y 22
Kingston Chem Co, 15 William St, N Y 5
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Legion Export & Import Co, 261 W 15 St, N Y 11
Merchants Chem Co, 60 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
Chas Page & Co, 50 E 42 St, N Y 17
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Slater-Robbins Co, 28-44 Borden Ave, L I C, N Y

TRIETHANOLAMINE STEARATE

$(HO.CH_2CH_2)_3N.HOOC.H_{35}C_{17}$. Light tan col. solid. Use—emulsifying agent for cosmetics, polishes, etc.

Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill

TRIETHOXYBORON see Ethyl Borate

TRIETHOXY METHANE see Triethyl o-Formate

TRIETHYLAMINE

$(C_2H_5)_3N$. M.W. 101.19. Color—water-white. Sp. gr. at 20°/20°C 0.73. Triethylamine content not less than 98.5%. Distillation—initial B.P. not below 85°C, final B.P. not above 91°C. Flash point 20°F. Wt. per gal. 6.1 lbs. Uses—prep. quaternary ammonium compounds useful as textile assistants.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Sharples Chem, 123 S Broad St, Phila 9, Pa

TRIETHYL BORATE see Ethyl Borate

TRIETHYL o-FORMATE (o-Formic Ester, Triethoxy Methane, Aethon)

$CH(OC_2H_5)_3$. M.W. 148. Colorless liquid; pungent odor. Sol. alcohol, ether, water. Uses—intermediate for Vitamin B_1; antimalarials; polymethine dyes; acetals.

*American-British Chem Supplies, 180 Madison Ave, N Y
*Kay-Fries Chem, 180 Madison Ave, N Y 16

TRIETHYL PHOSPHATE

$(C_2H_5)_3PO_4$. M.W. 182.14. Colorless liq. with mild odor. Sol. in most organic solvents, completely miscible in water, very stable at ordinary temps. When mixed with water is quite stable at ordinary temps., but at elevated temps. it hydrolyzes slowly. Purity, not less than 97% ester by weight. Sp. gr. 1.068 to 1.072 at 20°/20°C. Acidity, not more than 0.02% calculated as phosphoric acid, and using phenolphthalein as the indicator. Distillation range: 190°C-220°C, not more than 5% distilling below 210°C. B.P. 216°C. Refractive Index, 1.4055 at 20°C. Wt. per gal. 8.90 lbs. at 68°F. Uses—solvent for cellulose nitrate and cellulose acetate; compatible gums and resins. A super high-boiling solvent and plasticizer in the mfr. of plastics and coating compositions.

*Tennessee Eastman Co, 10 E 40 St, N Y 16

Greeff

TRICRESYL PHOSPHATE
•
DIOCTYL PHTHALATE
•
DIOCTYL ADIPATE

R. W. GREEFF & CO., INC.
10 ROCKEFELLER PLAZA, NEW YORK 20, N. Y. 2205 TRIBUNE TOWER, CHICAGO, ILLINOIS

*Company classifies itself as manufacturer or producer of this product

triethyl phosphate

• Eastman triethyl phosphate is soluble in water and most organic solvents. Although moderately resistant to hydrolysis, it is a promising ethylating reagent. It is used as an intermediate in the preparation of the insecticide tetraethyl pyrophosphate, as an ingredient in sizing compounds, as a dyeing assistant in the textile industry, as a lubricant, and as a flame-resistant plasticizer. Available in 5-gallon cans, drums, and tank cars.

TENNESSEE EASTMAN COMPANY
Division of Eastman Kodak Company
KINGSPORT, TENNESSEE

EASTMAN INDUSTRIAL CHEMICALS

Sales Reps in principal cities—see ad in Catalog Section.

JEFFERSON CHEMICAL COMPANY, INC.

711 FIFTH AVENUE
NEW YORK 22, N. Y.

ETHYLENE OXIDE

ETHYLENE GLYCOL

ETHYLENE DICHLORIDE

DIETHYLENE GLYCOL

MONOETHANOLAMINE

DIETHANOLAMINE

TRIETHANOLAMINE

Plant Port Neches, Texas

TRIETHYLENE GLYCOL

$HOCH_2(CH_2OCH_2)_2CH_2OH$. Colorless, hygroscopic, practically odorless liq. B.P. 276°-288°C. Sol. water; immiscible benzol, toluol; insol. gasoline. B.R. not less than 95%, distills below 297°C (760 mm). Initial B.P. 280°C (760 mm). Sp. gr. 1.125 at 20°/20°C. Wt. 9.3 lbs. per gal. (20°C). Uses—sol. for nitrocellulose; increases pliability and flexibility in plastics; synthesis of organic compounds; hydroxyl groups can be exchanged for ether groups or esterified to form a series of compounds used as plasticizers. Grades—tech.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich
International Selling Corp, 70 Pine St, N Y 5
*Mathieson Hydrocarbon Chem Corp, Mathieson Bldg, Baltimore 3, Md

TRIETHYLENE TETRAMINE

$NH_2(C_2H_4NH)_2C_2H_4NH_2$. M.W. 146.24. Viscous liq. B.P. 277.5°C. Sol. in water and most organic solvents. Sp. gr. 0.9818 at 20/20°C. Wt. per gal., 8.2 lbs. at 20°C. Uses—mfr. detergents and softening agents; intermediate in mfr. rubbber accelerators, and dyestuffs.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

TRIFLUOROPENTACHLOROPROPANE

$CCl_3CCl_2CF_3$. M.W. 270.3. White waxy solid. M.P. 109°C. B.P. 153.1°C. Uses—prep. of highly fluorinated propanes.

*Halogen Chem, 1505 Charlton Dr, Columbia, S C

a-TRIFLUOROTOLUENE see Benzotrifluoride

TRIFLUOROTRICHLOROPROPANE

*Halogen Chem, 1505 Charlton Dr, Columbia, S C

TRIFORMOL see Paraformaldehyde

TRIHYDROXYBENZENE see Acid, Pyrogallic

TRI-HYDROXYETHYL AMINE see Triethanolamine

TRIIODOMETHANE see Iodoform

TRIISOBUTYLENE

$C_{12}H_{24}$. M.W. 168. Mixture of 12 carbon olefins made from 4 carbon olefins. Uses—detergent and mercaptan mfr., lubricating oil additive compounds.

*Atlantic Refining Co, 260 S Broad St, Phila, Pa

TRIISOPROPANOLAMINE

$N(C_3H_6OH)_3$. Crystalline, pure-white solid. Mild, water sol. base. M.P. 45°C. B.P. 188.8°C at 10 mm. Rearkife forms stable, non-darkenimt soaps that are excellent emulsifying agents and are completely sol. in hydrocarbons. Uses—mfr. oils, soap, cosmetics, pharmaceuticals.

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich

TRIKETOPURINE see Acid, Uric

TRI MAGNESIUM PHOSPHATE see Magnesium Phosphate

TRIMETHYLAMINE (Secaline)

$(CH_3)N_3$. Easily condensable gas with fishy odor. B.P. 3.2°C-3.8°C (765 mm of mercury). Decomp. between 800-1.300°C. to form hydrogen cyanide and methane. Uses—forms addition compounds with halogens, and unites with organic and inorganic acids. Grades—commercial, water sol., 25-30% conc. by wt.

*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Rohm & Haas Co, Washington Sq, Phila 5, Pa

TRIMETHYL-AMINOBENZENE 1:2:4:5 see Cumidine

TRIMETHYLCYCLOHEXANOL

$CH_3CH(CH_3)CH_2C(CH_3)_2CH_2CHOH$. M.W. 142.33. B.P. 198°C. Menthol-like, aromatic odor. Sol. most organic solvents, hydrocarbons, oils; insol. water. Uses—menthol and camphor substitute, anti-foaming agent, in mfr. of hydraulic fluids and textile soaps.

American Firstoline Corp, 420 Lexington Ave, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

TRIMETHYLDIHYDROQUINOLINE POLYMER

$C_6H_4C_3H(CH_3)_2NH$. Amber pellets. M.W. 153. Softens at 75°C. Insol. in water; sol. alcohol. Uses—primarily as an oil sol. antioxidant.

Amend Drug & Chem Co, 117-119 E 24 St, N Y

TRIMETHYLENE see Cyclopropane

TRIMETHYLENE BROMIDE (1,3-Dibromopropane)

$BrCH_2CH_2CH_2Br$. M.W. 201.9. Clear, colorless, highly refractive liq. with a sweet, suffocating oder. B.P. 166.5°C. Sp. gr. 1.977 at 25°C. Lbs. per gal. 16.49 (25°C). Miscible with carbon tetrachloride, alcohol and ether. Uses—mfr. cyclopropane, an important anaesthetic; mfr. various organic intermediates for the dyestuff and pharmaceutical industries.

*Bios Labs, 17 W 60 St, N Y 23
*Dow Chem Co, Midland, Mich

TRIMETHYLENE CHLOROBROMIDE (1-Bromo-3-Chloropropane)

$CH_2Br{\cdot}CH_2CH_2Cl$. Clear, colorless liq. with a characteristic, somewhat sweet odor. B.R. 5-95%, 143-145°C. Sp. gr. 1.601 at 25/25°C. Refractive Index 1.484 at 25°C. Miscible with the common organic solvents and insol. in water at 25°C. Uses—organic syntheses.

*Dow Chem Co, Midland, Mich
*Thomas A Edison, P O Box 15, Stuyvesant Falls, N Y
*Matheson Co, Paragon Div, E Rutherford, N J

TRIMETHYLENE DIIODIDE see 1,3-Diiodopropane

TRIMETHYLENE GLYCOL

*Edcan Labs, 10-20 Pine St, S Norwalk, Conn

TRIMETHYLGLYCINE HYDROCHLORIDE see Betaine Hydrochloride

TRIMETHYLMETHANE see Isobutane

TRIMETHYLOLETHANE (Pentaglycerine, Methyl-Trimethylol Methane)

$CH_3{\cdot}C(CH_2OH)_3$. M.W. 120.15. Colorless cryst., hygroscopic. Sol. water, alcohol. Uses—mfr. of varnishes, alkyd and hard resins, synth. drying oils; conditioning agent.

*Trojan Powder Co, 17 N 7 St, Allentown, Pa

TRIMETHYLOLPROPANE (Hexaglycerine)

$C_2H_5{\cdot}C(CH_2OH_3)$. M.W. 134.18. Colorless cryst., hygroscopic. Sol. water, alcohol. Uses—mfr. of varnishes, alkyd and hard resins, synth. drying oils; conditioning agent.

*Trojan Powder Co, 17 N 7 St, Allentown, Pa

1,3,7-TRIMETHYLXANTHINE see Caffeine

TRINIDAD PITCH see Asphaltum

TRINITROCELLULOSE see Pyroxylin Solutions

TRINITROPHENOL see Acid, Picric

TRINITROTOLUENE (T.N.T.)

$C_6H_2(CH_3)(NO_2)_3$-1,2,4,6. M.W. 227. Light cream-colored to buff flakes. Uses—intermediate in dyestuffs and photographic chemicals; in mfr. of detonators, dynamites, military shell loads.

*E I Du Pont de Nemours & Co, Explosives Dept, Chem & Misc Sales Section, Wilmington 98, Del
Republic Chem Corp, 94 Beekman St, N Y 38

TRIOXANE

*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del

TRIOXYMETHYLENE see Paraformaldehyde

TRIPENTAERYTHRITOL

$C_{15}H_{24}O_2(OH)_8$. M.W. 372.41. White pwd. Sol. hot water; insol. alcohol, ether, hydrocarbons. Uses—mfr. of varnishes, alkyd and hard resins, synth. drying oils.

*Trojan Powder Co, 17 N 7 St, Allentown, Pa

TRIPHENYLGUANIDINE

Harwick Standard Chem Co, 60 S Selberling St, Akron, Ohio
National Aniline Div, 40 Rector St, N Y 6

*Company classifies itself as manufacturer or producer of this product

dl-TRYPTOPHAN
AND OTHER AMINO ACIDS

•

SPECIAL CHEMICALS DIVISION

Winthrop-Stearns INC.

1450 BROADWAY, NEW YORK 18, N. Y.

TRIPHENYL PHOSPHATE

$(C_6H_5)_3PO_4$. Colorless, odorless, non-inflammable cryst. M.P. 49°C. B.P. 245°C. Sol. alcohol, benzine, chloroform, ether, acetone, concentrated sulfuric acid; insol. water. Uses—incombustible substitute for camphor in cellulose; rendering acetylcellulose, cellulose formate, nitrocellulose, airplane dopes, etc., non-inflammable, impregnating roofing paper; as lubricant and plasticizer.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*Dow Chem Co, Midland, Mich
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Republic Chem Corp, 94 Beekman St, N Y 38

TRIPHENYL PHOSPHITE

$(C_6H_5O)_3P$. M.W. 310.28. Crystalline solid at sl. below room temp., oily liq. at higher temps. Uses—color stabilizer for alkyl resins.

*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo

TRIPOLI—see also Diatomaceous Earth

Porous silicious rock. Natural. Uses—mfr. abrasive polishes, scouring soaps, detergents; general filtering medium; absorbent for insecticidal chemicals; general abrasive; paint, wood and rubber filler. Grades—various grades as to fineness for polishing; rose; cream; white.

Braun Corp, 2260 E 15 St, Los Angeles 21, Cal
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Charles B Chrystal Co, 53 Park Pl, N Y 7
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
K F Griffiths & Co, 280 Madison Ave, N Y 16
Hammill & Gillespie, 225 Broadway, N Y 7
*Illinois Minerals Co, 807½ Washington Ave, Cairo, Ill
Merchants Chem Co, 60 E 42 St, N Y 17
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

TRIPOLI POWDER see Diatomaceous Earth

TRIPOLITE see Diatomaceous Earth

TRIPROPYLENE GLYOL

*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Dow Chem Co, Midland, Mich

TRIS (HYDROXYMETHYL) AMINOMETHANE

$(CH_2OH)_3CNO_2$. White crystalline solid. M.P. 171-172°C. B.P. 219-220°C at 10 mm. Uses—emulsifying agent in soap form for oils, fats, and waxes; chemical synthesis; absorbent for acidic gases.

*Bios Labs, 17 W 60 St, N Y 23
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

TRIS (HYDROXYMETHYL) NITROMETHANE

$NO_2C(CH_2OH)_3$. M.W. 151. B.P. 165-170°C at 10 mm. decomp. Sol. water, alcohol; practically insol. in aromatic and aliphatic hydrocarbons.

*Bios Labs, 17 W 60 St, N Y 23
*Commercial Solvents Corp, 17 E 42 St, N Y 17

TRISODIUM o-PHOSPHATE see Sodium Phosphate, Tri-Sodium

TRISTEARIN see Stearine

TROPAEOLIN D see Methyl Orange

TRYPTOPHANE

*Bios Labs, 17 W 60 St, N Y 23
*Dow Chem Co, Midland, Mich
Fallek Products Co, 163 Broadway, N Y 6
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Winthrop-Stearns, 1450 Broadway, N Y 18

TRYPTOPHANE-I, NATURAL

*Bios Labs, 17 W 60 St, N Y 23
*Nelson-Wells & Co, Box 348, Red Bluff, Cal
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Smith-N Y Co, 61 Hampton Pl, Freeport, N Y
*Winthrop-Stearns, 1450 Broadway, N Y 18

TUNGSTEN (Metal) (Wolfram)

W. Heavy gray to black powd., hard and brittle. Sp. gr. 19.10. M.P. 2974°C. Insol. in water; sol. in nitric acid and hot hydroxide solutions. Uses—mfr. of alloys, filaments, chemical compounds.

*Electro Metallurgical Co, 30 E 42 St, N Y 17
*Fansteel Metallurgical Corp, 2200 Sheridan Rd, N Chicago, Ill

TUNGSTEN, continued

Fleischman, Burd & Co, 22 W 48 St, N Y 19
Hummel Chem Co, 90 West St, N Y
*Sylvania Elec Products Co, Towanda, Pa
*Wah-Chang Corp, 233 Broadway, N Y 7

TUNGSTEN OXIDE

American Firstoline Corp, 420 Lexington Ave, N Y
*Fansteel Metallurgical Corp, 2200 Sheridan Rd, N Chicago, Ill
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*North Metal & Chem Co, 638 E Mason Ave, York, Pa
Prior Chem Corp, 420 Lexington Ave, N Y 17
*S W Shattuck Chem Co, 1805 S Bannock St, Denver, Col
*Sylvania Elec Products Co, Towanda, Pa
*Wah-Chang Corp, 233 Broadway, N Y 7

TURKEY GALLS see Nutgalls

TURMERIC (Curcuma, Curry, Indian Saffron, Terra Merita)

Rhizome of Curcuma longa. Habitat—China, East Indies, etc. Uses—mfr. dye preps., wallpaper, coloring food, sweetmeats, food preps., oleomargarine, butter, pickles, curries, baked products, confectionery, stains, varnishes; dyeing textiles; dyeing and tanning leather; laboratory reagent; in medicine. Grades—tech. (Curcuma Longa); Madras; Aleppy; China.

J T Baker Chem Co, Phillipsburg, N J
*Florasynth Labs, 1513 Olmstead Ave, N Y 61
Herbert H Parker, 2 Broadway, N Y 4
*S B Penick & Co, 50 Church St, N Y 7

TURNBULL'S BLUE see Prussian Blue

TURPENTINE, GUM

Mixture of a resin and volatile oil obtained from coniferous trees. Yellowish, opaque masses, sticky and glossy, with characteristic odor and taste. Sol. ether, chloroform, alcohol, and glacial acetic acid. Uses—source of turpentine oil.

American Firstoline Corp, 420 Lexington Ave, N Y
W H Barber Co, 3650 S Homan Ave, Chicago 32, Ill
Central Solvents & Chem Co, 2545 W Congress St, Chicago 12, Ill
Chematar Inc, Exchange Pl, N Y 5
E W Colledge, G S A, P O Box 389, Jacksonville 1, Fla
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
J C Drouillard Co, Rockefeller Bldg, Cleveland 13, Ohio
Dura Chem Co, 20 Vesey St, N Y 7
*Glidden Co, Crestwood-Burton, Jacksonville, Fla
Wm S Gray & Co, 342 Madison Ave, N Y 17
Howe & French, Mfg Dept, E Weymouth, Mass
Industrial Sales Corp, 500 5 Ave, N Y 18
Kingston Chem Co, 15 William St, N Y 5
Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 7, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rimco Trading Corp, 3001 Netherland Ave, N Y 63
George Senn, 2200 E Westmoreland St, Phila 34, Pa
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
South Texas Cotton Oil Co, P O Box 337, Houston 1, Tex
Sunnyside Oil Co, 2212 W Sunnyside Ave, Chicago 25, Ill
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Warner-Graham Co, President & Fawn Sts, Baltimore 2, Md
West Co, 132 Library St, Chelsea 50, Mass
G A Wharry & Co, 95 Broad St, N Y
Wolverine Solvents & Chem Co, 1500 Century Ave, Grand Rapids 9, Mich
E E Zimmerman Co, 1704 Kennan Bldg, Pittsburgh 22, Pa

TURPENTINE, SPIRITS (Terebenthene)

$C_{10}H_{16}$. Colorless liq. Sp. gr. 0.860-0.865. B.P. 155-162°C. Sol. ether, chloroform, carbon disulfide. Uses—mfr. synth. perfumes and camphor, terpin hydrate, eucalyptol, pharmaceutical and detersive preps., ointments, liniments, soaps, lubricating and insecticidal compositions, sealing wax, ceramics, stove polishes, laundry glosses, vermin destroyers, rubber cements, belt dressings; refining petroleum; engraving and lithography; as insecticide; thinner in paints, varnishes, stains, lacquers, and enamels; general solvent for various purposes; solvent for various varnish and paint resins and other ingredients, resins, waxes, rubber, etc., printing textiles, printing inks, floor, furniture, shoe, and leather polishes, and patent leather; in medicine. Grades—gum spirits; wood spirits. (Wood-steam distilled and desiructively distilled).

J T Baker Chem Co, Phillipsburg, N J
Cole & De Graf, 417 Market St, San Francisco 5, Cal
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Wm S Gray & Co, 342 Madison Ave, N Y 17
K F Griffiths & Co, 280 Madison Ave, N Y 16
Gulf State Paper Corp, Tuscaloosa, Ala
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del

Baker TUNGSTATES

TUNGSTIC ACID . . . SODIUM TUNGSTATE and other TUNGSTEN SALTS

Baker

J. T. BAKER CHEMICAL CO.

PHILLIPSBURG, N. J.

New York • Boston • Philadelphia • Los Angeles • Chicago • Toronto

*Company classifies itself as manufacturer or producer of this product

TURPENTINE, SPIRITS, continued

Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 7, Mo
*Newport Industries, 230 Park Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
South Texas Cotton Oil Co, P O Box 337, Houston 1, Tex
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo

TURPENTINE, STEAM-DISTILLED WOOD

$C_{10}H_{16}$. Colorless liq. Sp. gr. 0.860-0.866. Refractive Index 1.465-1.468 at 20°C. B.P. 150°-170°C. Sol. in ether, chloroform. Uses—same as gum turpentine.

S L Abbot Co, 135 King St, San Francisco, Cal
American Firstoline Corp, 420 Lexington Ave, N Y
W H Barber Co, 3650 S Homan Ave, Chicago 32, Ill
*Crosby Chem, Drawer 32, De Ridder, La
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*Dixie Pine Products Co, Drawer 470, Hattiesburg, Miss
Wm S Gray & Co, 342 Madison Ave, N Y 17
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Hawxhurst & Co, Mills Tower, 220 Bush St, San Francisco 4, Cal
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
Hird & Conner, 88 Broad St, Boston 10, Mass
Abner Hood Chem Co, 507 N Montgall Ave, Kansas City 1, Mo
C L Hueston Co, 1998 Glendale Ave, Detroit 6, Mich
Industrial Sales Corp, 500 S Ave, N Y 18
Mutchler Chem Co, 258 Broadway, N Y 7
*Newport Industries, 230 Park Ave, N Y 17
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rimco Trading Corp, 3001 Netherland Ave, N Y 63
Ritter Chem Co, 403 W Main St, Amsterdam, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
George Senn, 2200 E Westmoreland St, Phila 34, Pa
*Southern Naval Stores, Columbia, Miss
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Warner-Graham Co, President & Fawn St, Baltimore 2, Md
West Co, 132 Library St, Chelsea 50, Mass
G A Wharry & Co, 95 Broad St, N Y
T C Wilson Co, 503 Market St, San Francisco 5, Cal
H M Wocher & Son Co, 1223 N 26 St, Phila, Pa
E E Zimmerman Co, 1704 Kennan Bldg, Pittsburgh 22, Pa

TURPENTINE SUBSTITUTES

Special fractions of petroleum oils (usually with a B.P. of 130-160°C. and a Sp. gr. of 0.74-0.77) used in the place of turpentine as a paint thinner, etc.

DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*Impoil Co, 228 Kearney Ave, Jersey City, N J

TURPENTINE, SULFATE (Crude)

Wm S Gray & Co, 342 Madison Ave, N Y 17
*Newport Industries, 230 Park Ave, N Y 17
Rimco Trading Corp, 3001 Netherland Ave, N Y 63

TURPENTINE, SULFATE, WOOD

Recovered from the sulfate cooking of wood pulp in the mfr. of kraft paper. Water-white liq. Uses—as thinner in paint, for same purposes as the other turpentines.

S L Abbot Co, 135 King St, San Francisco, Cal
American Firstoline Corp, 420 Lexington Ave, N Y
*Camp Mfg Co, 60 E 42 St, N Y
*Continental Can Co, Hopewell, Va
*Crossett Chem Co, Crossett, Ark
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
J C Drouillard Co, Rockefeller Bldg, Cleveland 13, Ohio
Wm S Gray & Co, 342 Madison Ave, N Y 17
*Newport Industries, 230 Park Ave, N Y 17
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rimco Trading Corp, 3001 Netherland Ave, N Y 63
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Sherwin-Williams Co, 100 Park Ave, N Y 17
G A Wharry & Co, 95 Broad St, N Y
E E Zimmerman Co, 1704 Kennan Bldg, Pittsburgh 22, Pa

TURPENTINE, VENICE

Yellowish liq., pleasant aromatic odor. Sp. gr. 0.865-0.878. Optical No. —8 to —11°C. Refractive No. 1.46924. Acid No. 0. Ester No. 5.9. Sol. alcohol, ether, glacial acetic acid and acetone. Uses—mfr. varnishes. Grades—true Venice; artificial.

DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
R Gesell, 200 W Houston St, N Y 14
Hartman-Leddon Co, 5819-21 Market St, Phila 39, Pa
Howe & French, Mfg Dept, E Weymouth, Mass
*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Smith Crude Drug & Splice Corp, 101 Beekman St, N Y

TYROSINE (l-Tyrosine; a-Amino-b-p-Hydroxyphenylpropionic Acid; b-p-Hydroxyphenyl-Alanine)

$HOC_6H_4C_2H_3(NH_2)COOH$. M.W. 181.28. White, crystalline powd.; forms needles when crystallized from aqueous solution. M.P. decomp. at 290°C. Sp. gr. 1.456 at 20°C. Very sl. sol. in water and alcohol; insol. in ether; sol. in dilute acids and alkalies. Grades—C.P., practical.

American Roland Corp, 16 Hudson St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Fallek Products Co, 163 Broadway, N Y 6
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
West Co, 132 Library St, Chelsea 50, Mass

TYROSINE-l, NATURAL (p-Hydroxyphenyl-a-Aminopropionic Acid, Hydroxyphenylalanine)

$C_9H_{11}O_3N$. M.W. 181. White needles. Uses—plant and animal proteins.

*Bios Labs, 17 W 60 St, N Y 23
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
*R S A Corp, 690 Sawmill River Rd, Ardsley, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Smith-NY Co, 61 Hampton Pl, Freeport, N Y
*Winthrop-Stearns, 1450 Broadway, N Y 18

TYROTHRICIN

Principally a mixture of gramicidine and tyrocidine hydrochloride containing at least 20% gramicidin. White powd. Practically insol. water; sol. many organic solvents. Stable aqueous solutions may be prepared with selected surface active agents. Uses—antibiotic topical applications; formulations for nose drops, nasal sprays, throat lozenges, ointments, wet dressings.

*Gane & Ingram, 43 W 16 St, N Y 11
Herman Meyer Drug Co, 16-23 Jamaica Ave, Richmond Hill, N Y
*S B Penick & Co, 50 Church St, N Y 7
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Wallerstein Co, 180 Madison Ave, N Y 16

ULTRAMARINE BLUE (Lapis Luzuli, Artificial)

$Na_7Al_6Si_6O_{24}S_3$. Dark blue, amorp. lumps or powd. Natural and mfr. Uses—mfr. laundry blue, artists' colors, mottled soaps, blue cement, tiles and other ceramic products, printing inks, paints and varnishes; general blue pigment; printing calico; whitening sugar; lithography and bookbinding; added to correct yellowish tinge in textiles and white writing paper; printing wallpaper; coloring paper, match head compositions, rubber, patent leather, sealing wax, oil-cloth, linoleum, celluloid, and other plastics. Grades—tech.

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Calco Chem Div, Bound Brook, N J
Stanley Doggett, 75 Varick St, N Y 13
J C Drouillard Co, Rockefeller Bldg, Cleveland 13, Ohio
Filo Color & Chem Corp, 202 E 44 St, N Y
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Interocean Chem & Minerals Corp, 120 Broadway, N Y 5
Jensen & McClelland, 510 N Dearborn St, Chicago 10, Ill
Landers-Segal Color Co, 78 Delevan St, Bklyn 31, N Y
C J Osborn Co, 132 Nassau St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
Witco Chem Co, 295 Madison Ave, N Y 17

ULTRAMARINE YELLOW see Barium Yellow

UMBERS

Brown, amorp. powd. Natural. Sp. gr. 2.68 (raw), 3.80 (burnt). Uses—mfr. stains and enamels; paint and varnish pigment; in printing trades; coloring leather, textiles, paper, wallpaper, inks, and wood. Grades—based on tinctorial power and iron content, best coming from Cyprus.

American Pigment Corp, Pulaski, Va
Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Stanley Doggett, 75 Varick St, N Y 13
James H Furnam Co, 579 E Van Buren St, Chicago 5, Ill
*H Kohnstamm & Co, 83 Park Pl, N Y 7
Landers-Segal Color Co, 78 Delevan St, Bklyn 31, N Y
*Mineral Pigments Corp, Muirkirk, Md
*Reichard-Coulston, 15 E 26 St, N Y 10
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*C K Williams & Co, 640 N 13 St, Easton, Pa
Witco Chem Co, 295 Madison Ave, N Y 17

n-UNDECYL BROMIDE

Gen Dyestuff Corp, 435 Hudson St, N Y 14
*Halogen Chem, 1505 Charlton Dr, Columbia, S C
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

UNDECYL STEARATE

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa

URACIL

*Bios Labs, 17 W 60 St, N Y 23
*Dougherty Chem, 86-28 131 St, Richmond Hill 18, N Y
*Schwarz Labs, 202 E 44 St, N Y 17

URANIC OXIDE see Uranium Oxide

URANINE

$C_{20}H_{10}O_5Na_2$. M.W. 376.18. Sodium salt of fluorescein. Yellowish-brown powd. Sol. water, alcohol. Uses—medicine; dyeing of silk and wool.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*Calco Chem Div, Bound Brook, N J
Republic Chem Corp, 94 Beekman St, N Y 38

URANIUM (Ore)

Vanadium Corp of America, 420 Lexington Ave, N Y 11

URANIUM DIOXIDE see Uranium Oxide

URANIUM NITRATE (Uranyl Nitrate)

$UO_2(NO_3)_2 \cdot 6H_2O$. Yellow, odorless cryst. Sp. gr. 2.807. M.P. 60.2°C. B.P. 118°C. Sol. water, alcohol, ether. Uses—mfr. uranium salts, uranium glaze; in photography and medicine. Grades—tech.; C.P.; U.S.P.

*J T Baker Chem Co, Phillipsburg, N J
City Chem Corp, 132 W 22 St, N Y 11
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Hooper Chem Corp, Box 313, Rutherford, N J
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*S W Shattuck Chem Co, 1805 S Bannock St, Denver, Col

URANIUM OXIDE (Uranic Oxide, Pitchblende, Uranium Dioxide)

U_3O_8. Black, or orange-red, amorp. powd. Sp. gr. 7.31. Sol. acids; insol. water. Uses—mfr. ceramics, paint pigments, glass; as chemical catalyst; in photography. Grades—tech.

Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Republic Chem Corp, 94 Beekman St, N Y 38
*S W Shattuck Chem Co, 1805 S Bannock St, Denver, Col

URANYL NITRATE see Uranium Nitrate

UREA (Carbamide, Carbonyldiamide)

$CO(NH_2)_2$. White cryst. M.W. 60.047. Sp. gr. 1.335 at 20°/4°C. (solid). M.P. 132.7°C. Sol. water, alcohol, benzene; sl. sol. ether. Uses—mfr. various intermediate chemicals and pharmaceuticals; as fertilizer; stabilizer in explosives and nitrocellulose plastics; in medicine. Grades—tech.; C.P.

Adams-Henry Chem Co, 32 Broadway, N Y 4
American-British Chem Supplies, 180 Madison Ave, N Y
American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
Amplex Co, 60 Wall St, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
Leo Berberich, 198 Broadway, N Y 38
Bradley & Baker, 155 E 44 St, N Y 17
F M Browning Co, 150 Broadway, N Y 38
Chematar Inc, Exchange Pl, N Y 5
Chem Advance Corp, 1345 Arch St, Phila, Pa
Chem Service Corp, 82 Beaver St, N Y 5
Chem Mfg Co, 21 West St, N Y 6
John A Chew, 60 E 42 St, N Y 17
*Ciba Co, 627 Greenwich St, N Y 14
Cole Labs, 42-25 9 St, L I C 1, N Y
Conray Products, 510 6 Ave, N Y 11
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E I Du Pont de Nemours & Co, Polychem Dept, Wilmington 98, Del
Empire Chem Corp, 21 West St, N Y 6
Fallek Products Co, 163 Broadway, N Y 6
Fine Chem Co, 156 E 42 St, N Y 17
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Industrial Raw Materials Corp, 575 Madison Ave, N Y 22
Interocean Chem & Minerals Corp, 120 Broadway, N Y 5
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
L Kruger & Co, 75 West St, N Y
John D Lewis, 68 Traverse St, Providence 1, R I
George Mann & Co, 251 Fox Point Blvd, Providence, R I
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal

*Company classifies itself as manufacturer or producer of this product

UREA
PHENOL

Acetone
Ammonium Chloride
Calcium Chloride
Calcium Hypochlorite
Carbon Tetrachloride
Caustic Potash
Caustic Soda
Formic Acid
Hydrogen Peroxide
Oxalic Acid
Potassium Bichromate
Soaps
Sod Sesquicarbonate
Soda Ash
Sodium Bicarbonate
Sodium Bichromate
Sodium Bisulphite
Sodium Hydrosulphite
Sodium Sulphate
Sodium Tripolyphosphate
Synthetic Detergents
Tetrasodium Pyrophosphate
Textile Specialties
Trichloroethylene
Triethanolamine
Tri-Sodium Phosphate

Siegel Chemical Co., Inc.

ONE HANSON PLACE
BROOKLYN 17, N. Y.
Cable: "SIEGKEM" Tel.: ULSTER 7-7400

CHEMICALS from CMC

UREA

Sodium Bicarbonate
Perchlorethylene
Trichlorethylene
Sal Ammoniac
Tropical Bleaching Powder (Stabilized)
Chloroform
Sodium Perborate
Ammonium Carbonate
Ammonium Bicarbonate
Sodium Sulphide
Sodium Hydrosulphite

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46%N

European Origin
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Empire State Building New York 1, N. Y.
Cable: UNISTERPLA Phone: LOngacre 5-3774

UREA, continued

Merchants Chem Co, 60 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
Chas Page & Co, 50 E 42 St, N Y 17
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Scher Bros, 519 Getty Ave, Clifton, N J
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
Shapiro & Novick, 60 Broad St, N Y 4
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
Irving M Sobin Co, 74 Granite St, Boston 10, Mass
Sterone Corp, 250 W 57 St, N Y 19
F H Taussig Chem, 175 W 76 St, N Y 23
George Uhe Co, 76 9 Ave, N Y 14
United Sterling Corp, 37 E 28 St, N Y
Wollen Chem & Supply Co, 126 6 Ave, Paterson, N J

UREA PEROXIDE

Amend Drug & Chem Co, 117-119 E 24 St, N Y
Becco Sales Corp, Sta B, Buffalo 7, N Y

URETHAN—see also Ethyl Carbamate

Philipp Bauer Co, 2 W 47 St, N Y
Fallek Products Co, 163 Broadway, N Y 6
Kingston Chem Co, 15 William St, N Y 5
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
George Uhe Co, 76 9 Ave, N Y 14
*U S Industrial Chem, 60 E 42 St, N Y

URNER'S LIQUID see Acid, Dichloroacetic

UROTROPIN see Hexamethylenetetramine

g-VALEROLACTONE

*Bios Labs, 17 W 60 St, N Y 23

dl-VALINE

$(CH_3)_2CHCH(NH_2)COOH$. M.W. 117.1. White crystalline powd. Uses—essential amino acid. L. M.P. 298°C with decomp. Partly sol. water; very sl. sol. alcohol, ether.

*Bios Labs, 17 W 60 St, N Y 23
*Dow Chem Co, Midland, Mich
*Winthrop-Stearns, 1450 Broadway, N Y 18

VALONIA

Acorn cups of Quercus aegilops. Habitat—Greece, Asia Minor and France. Uses—tanning leather. Grades—Beard (40% tannin); Cups (28-33% tannin).

Lundt & Co, 24 State St, N Y 4

VANADIUM (Metal)

V. At. Wt. 50.95. Rare metal, light gray in color. Sp. gr. 5.866. M.P. 1715°C. Insol. in water or alcohol but sol. in acids. Uses—in metallurgy; mfr. of catalyst.

*Electro Metallurgical Co, 30 E 42 St, N Y 17
Hummel Chem Co, 90 West St, N Y 6
George F Smith, 60 E 42 St, N Y 17
Vanadium Corp of America, 420 Lexington Ave, N Y 11

VANADIUM CHLORIDE

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
Vanadium Corp of America, 420 Lexington Ave, N Y 11

VANADIUM PENTOXIDE (Vanadic Acid Anhydride)

V_2O_5. M.P. 181.9. Yellowish or red crystalline powd. Sp. gr. 3.357. M.P. 690°C. Sol. mineral acids, alkalies; sl. sol. water. Uses—mfr. black ink, vanadium salts, ceramics; inoculation for plants; ultra violet transmission; catalyst in making intermediates, organic chemicals, aniline black, dyes, and sulfuric acid; coloring glass red; photographic developer and toner; dyeing textiles; in medicine. Grades—tech.; C.P.; air dried and fused.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*Electro Metallurgical Co, 30 E 42 St, N Y 17
*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
Hummel Chem Co, 90 West St, N Y 6
Vanadium Corp of America, 420 Lexington Ave, N Y 11

VANADIUM SULPHATE (Vanadyl Sulfate)

$(VO)_2(SO_4)_3$. Blue cryst. powd. Sol. water. Uses—mfr. colored glass, blue and green glazes on pottery and porcelain; tech. mordant in dyeing and printing textiles.

*Fairmount Chem Co, 600 Ferry St, Newark 5, N J
Vanadium Corp of America, 420 Lexington Ave, N Y 11

VANADYL SULFATE see Vanadium Sulphate

VAN DYKE BROWN (Cassel Brown, Cassel Earth, Cologne Brown, Cologne Earth, Rubens Brown, Ulmin Brown)

Natural solid. Made from limited number of lignites. Insol. water. Uses—paint pigment.

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Charles B Chrystal Co, 53 Park Pl, N Y 7
Stanley Doggett, 75 Varick St, N Y 13
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
Landers-Segal Color Co, 78 Delevan St, Bklyn 31, N Y
*Prince Mfg Co, Lehigh St, Bowmanstown, Pa
*Reichard-Coulston, 15 E 26 St, N Y 10
*J Lee Smith & Co, 25 Ann St, N Y 38
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
C K Williams & Co, 640 N 13 St, Easton, Pa
Witco Chem Co, 295 Madison Ave, N Y 17

VANILLIN (Methylprotocatechuic Aldehyde, Methoxyhydroxy-Benzaldehyde)

$C_8H_8O_3$. M.W. 152.1. Colorless needles. M.P. 80°C. Sp. gr. 1.056. Sl. sol. water, sol. alcohol, ether or glycerol. Uses—as a reagent; flavoring agent.

American Roland Corp, 16 Hudson St, N Y
Barclay Chem Co, 75 Varick St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
Bridge Chem Co, 2525 W Madison St, Chichago, Ill
Chem Service Corp, 82 Beaver St, N Y 5
Consumers Products Co, 99 Hudson St, N Y 13
Dodge & Olcott, 180 Varick St, N Y 14
Fallek Products Co, 163 Broadway, N Y 6
Fine Chem Co, 156 E 42 St, N Y 17
*Givaudan-Delawanna, 330 W 42 St, N Y 18
Legion Export & Import Co, 261 W 15 St, N Y 11
Geo Lueders & Co, 427 Washington St, N Y 13
*Mallinckrodt Chem, 2 & Mallincrodt Sts, St Louis 7, Mo
*Maywood Chem Works, Maywood, N J
McKesson & Robbins,, 155 E 44 St, N Y 17
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Perry Bros, 220 Flushing Ave, Bklyn 5, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Salvo Chem Corp, Rothschild, Wis
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Sterwin Chem, 1450 Broadway, N Y 18
Tombarel Products Corp, 12 E 22 St, N Y 10
Verona Chem Co, 26 Verona Ave, Newark, N J

o-VANILLIN see 2-Hydroxy-3-Methoxy-Benzaldehyde

*Company classifies itself as manufacturer or producer of this product

VARNISH BASES

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*Monsanto Chem Co, Tex Div, Texas City, Tex
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20 Mich
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47 Ill

VARNISHES, ACID AND ALKALI RESISTANT

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*Aluminum Industries, 2440 Beekman St, Cincinnati 25, Ohio
*American Lithographic Varnish Co, 926 Harrison Ave, Kearny, N J
*Armstrong Paint & Varnish Works, 1318-1500 Kilbourn Ave, Chicago, Ill
*Bakelite Co Div, 30 E 42 St, N Y 17
Basic Varnish & Research Corp, 215 N 10 St, Bklyn 11, N Y
*Coating Materials Labs, 689 Main St, Belleville, N J
*Dow Corning Corp, Midland, Mich
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
F G Okie, 5916 State Rd, Phila 24, Pa
*Schaffer-Moss Chem Corp, 1222 Shore Ave, Pittsburgh 33, Pa
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*U S Varnish Co, 627 Franklin Ave, Hasbrouck Heights, N J

VARNISHES, ASPHALT

Rubberoid Co, 500 5 Ave, N Y 18
*Schaffer-Moss Chem Corp, 1222 Shore Ave, Pittsburgh 33, Pa
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill

VARNISHES, BAKING

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
Basic Varnish & Research Corp, 215 N 10 St, B'klyn 11, N Y
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Geo D Wetherill Varnish Co, Haddon Ave & White Horse Pike, Camden 3, N J

VARNISHES, BRONZING

Basic Varnish & Research Corp, 215 N 10 St, Bklyn 11, N Y
F G Okie, 5916 State Rd, Phila, Pa

VARNISHES, FURNITURE

*Acme Shellac Products Co, 100 Blanchard St, Newark, N J
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Impervious Paint & Varnish Co, 1672 Kinsey St, Phila, Pa
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Geo D Wetherill Varnish Co, Haddon Ave & White Horse Pike, Camden 3, N J

VARNISHES, GLOSS

*Acme Shellac Products Co, 100 Blanchard St, Newark, N J
*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*American Lithographic Varnish Co, 926 Harrison Ave, Kearny, N J
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Coating Materials Labs, 698 Main St, Belleville, N J
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Hilton-Davis Chem Co, 2355 Langdon Farm Rd, Cincinnati 12, Ohio
F G Okie, 5916 State Rd, Phila 24, Pa
*Pope & Gray, 95 Morton St, N Y 14
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Geo D Wetherill Varnish Co, Haddon Ave & White Horse Pike, Camden 3, N J

VARNISHES, INSULATING

*Acme Shellac Products Co, 100 Blanchard St, Newark, N J
*Dow Corning Corp, Midland, Mich
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Haeuser Shellac Co, 52 Warren St, Bklyn 2, N Y

VARNISHES, LABELING

*Acme Shellac Products Co, 108 Blanchard St, Newark 5, N J
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Haeuser Shellac Co, 52 Warren St, Bklyn 2, N Y
F G Okie, 5916 State Rd, Phila 24, Pa

VARNISHES, LAMINATING

*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Barrett Div, 40 Rector St, N Y 6
*Dow Corning Corp, Midland, Mich
*Durez Plastics & Chem, 5 Walck Rd, N Tonowanda, NY
*Monsanto Chem Co, Plastics Div, Springfield, Mass
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich

VARNISHES, LITHOGRAPHIC

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*American Lithographic Varnish Co, 926 Harrison Ave, Kearny, N J
*Coating Materials Labs, 689 Main St, Belleville, N J
*Haeuser Shellac Co, 52 Warren St, Bklyn 2, N Y
*Hilton-Davis Chem Co, 2355 Langdon Farm Rd, Cincinnati 12, Ohio
F G Okie, 5916 State Rd, Phila 24, Pa
*Pope & Gray, 95 Morton St, N Y 14
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill

VARNISHES, METAL

*American Lithographic Varnish Co, 926 Harrison Ave, Kearny, N J
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Sullivan Co, 212 E Tregg Ave, Memphis, Tenn
*Geo D Wetherill Varnish Co, Haddon Ave & White Horse Pike, Camden 3, N J

VARNISHES, OLEO-RESINOUS

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*American Lithographic Varnish Co, 926 Harrison Ave, Kearny, N J
*Armstrong Paint & Varnish Works, 1318-1500 Kilbourn Ave, Chicago, Ill
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Barrett Varnish Co, 1532 S 50 Court, Cicero 50, Ill
Basic Varnish & Research Corp, 215 W 10 St, Bklyn 11, N Y
*Jones-Dabney Co, 1481 S 11 St, Louisville 8, Ky
*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20
*Reliance Varnish Co, 4730 Crittenden Dr, Louisville 9, Ky
*Rinshed-Mason Co, 5935 Milford St, Detroit 10, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Timeproof Paint Products 40 Richard St, Bklyn 31, N Y

VARNISHES, PRINTING INK

*American Lithographic Varnish Co, 926 Harrison Ave, Kearny, N J
*American Resinous Chem Corp, 103 Foster St, Peabody, Mass
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Hilton-Davis Chem Co, 2355 Langdon Farm Rd, Cincinnati 12, Ohio
*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20
F G Okie, 5916 State Rd, Phila 24, Pa
Palmer Supplies Co, 8905 Lake Ave, Cleveland 2, Ohio
*Pope & Gray, 95 Morton St, N Y 14
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Fred'k A Stresen-Reuter 2113 W Medill Ave, Chicago 47, Ill

VARNISHES, ROSIN

American Roland Corp, 16 Hudson St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y

VARNISHES, ROSIN, continued

*Bios Labs, 17 W 60 St, N Y 23
*Commercial Solvents Corp, 17 E 42 St, N Y 17
Conray Products, 510 6 Ave, N Y 11
*Dawe's Products & Affiliated Cos, 4800 S Richmond St, Chicago 32, Ill
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Gillies & Loughlin, 6363 Wilshire Blvd, Los Angeles 48, Cal
*Hoffman-La Roche, Nutley 10, N J
Lamex Chem Corp, 25 Broadway, N Y 4
McKesson & Robbins, 155 E 44 St, N Y 17
*National Rosin Oil Products, 1270 Ave of the Americas, N Y 20
*Newport Industries, 230 Park Ave, N Y 17
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Geo D Wetherill Varnish Co, Haddon Ave & White Horse Pike, Camden 3, N J
*H M Wocher & Son Co, 1223 N 26 St, Phila, Pa

VARNISHES, SHELLAC

*Acme Shellac Products Co, 108 Blanchard St, Newark 5, N J
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Bradshaw-Praeger & Co, 3252 W 47 Pl, Chicago 32, Ill
Wm Diehl & Co, 330 W 42 St, N Y
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Impervious Paint & Varnish Co, 1672 Kinsey St, Phila 24, Pa
Schibley & Ossmann, 33 Public Sq, Cleveland, Ohio
*Shields Buying Service, 15 Moore St, N Y 4

VARNISHES, SPAR

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*Aluminum Industries, 2440 Beekman St, Cincinnati 25, Ohio
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
Basic Varnish & Research Corp, 215 N 10 St, Bklyn 11, N Y
*Coating Materials Labs, 689 Main St, Belleville, N J
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
*Pratt & Lambert, 75 Tonawanda St, Buffalo 7, N Y
*Rinshed-Mason Co, 5935 Milford St, Detroit 10, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Geo D Wetherill Varnish Co, Haddon Ave & White Horse Pike, Camden 3, N J
*John H Witte & Sons, 206 Jefferson, Burlington, Iowa

VARNISHES, SYNTHETIC

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*American Lithographic Varnish Co, 926 Harrison Ave, Kearny, N J
*American-Marietta Co, 101 E Ontario St, Chicago 11, Ill
*Armstrong Paint & Varnish Works, 1318-1500 Kilbourn Ave, Chicago, Ill
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
Basic Varnish & Research Corp, 215 N 10 St, Bklyn 11, N Y
*Dow Corning Corp, Midland, Mich
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
F G Okie, 5916 State Rd, Phila 24, Pa
*Pierce & Stevens, 710 Ohio St, Buffalo 3, N Y
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Reliance Varnish Co, 4730 Crittenden Dr, Louisville 9, Ky
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*John H Witte & Sons, 206 Jefferson, Burlington, Iowa



*Company classifies itself as manufacturer or producer of this product

Niacet
TRADE-MARK

VINYL ACETATE

CH_3-COO-CH=CH_2

Stabilized - Unpolymerized

NIACET Vinyl Acetate is the stabilized monomer, boiling range 71.8 to 73°C. It can be polymerized to form resins with exceptional bonding qualities for wood, glass, metals, and fibers. Vinyl Acetate is shipped in 410 lb. drums, and 62,500 lb. tank cars.

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For further information write to:

CARBIDE AND CARBON CHEMICALS COMPANY

A Division of
Union Carbide and Carbon Corporation
30 E. 42nd St. UCC New York 17, N. Y.

VITAMINS

- CRYSTALLINE VITAMIN A ACETATE STABILIZED
- VITAMIN A PALMITATE
- THIAMINE MONONITRATE (B_1)
- THIAMINE HYDROCHLORIDE (B_1)
- RIBOFLAVIN (B_2)
- PYRIDOXINE HYDROCHLORIDE (B_6)
- ASCORBIC ACID (C)
- CALCIUM PANTOTHENATE DEXTROROTATORY
- NIACIN
- NIACINAMIDE
- VITAMIN B_{12} CRYSTALLINE
- VITAMIN B_{12} TRITURATES

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Manufacturing Chemists Since 1849

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Manufacturing Chemists Since 1849
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605 THIRD ST., SAN FRANCISCO 7, CALIF.

VARNISHES, TIN PLATE

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
*Coating Materials Labs, 689 Main St, Belleville, N J
*Geo D Wetherill Varnish Co, Haddon Ave & White Horse Pike, Camden 3, N J

VARNISHES, WATERPROOF

*Alkydol Labs, 3242 S 50 Ave, Cicero 50, Ill
*Aluminum Industries, 2440 Beekman St, Cincinnati 25, Ohio
*American Lithographic Varnish Co, 926 Harrison Ave, Kearny, N J
*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludow Sts, Stamford, Conn
Basic Varnish & Research Corp, 215 N 10 St, Bkyn 11, N Y
*E I Du Pont de Nemours & Co, Fabrics & Finishes Dept, Wilmington 98, Del
F G Okie, 5916 State Rd, Phila 24, Pa
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Geo D Wetherill Varnish Co, Haddon Ave & White Horse Pike, Camden 3, N J

VARNISHES, WRINKLE

*Atlas Powder Co, Industrial Finishes Dept, Canal & Ludlow Sts, Stamford, Conn
Basic Varnish & Research Corp, 215 N 10 St, Bklyn 11, N Y

VAUQUETINE see Strychnine Alkaloid

VEGETABLE CHARCOAL see Charcoal

VEGETABLE SPERMACETI see Wax, Chinese

VENETIAN RED see Iron Oxide, Red

VENUS CRYSTALS see Copper Acetate

VERMICULITE

$3MgO—(FeAl)_2O_3.3SiO_2$. A mineral. Uses—tabulation of the Tennessee Valley Authority shows the following uses for calcined vermiculite: insulation, in acoustic plaster, refractory brick, as a filler in plastics, in grease lubricants, in tires and rubber goods, wallpaper printing, outdoor advertising paints, extender for gold and bronze printing ink or paint.

American Firstoline Corp, 420 Lexington Ave, N Y
C R Graybeal & Sons, Roan Mtn, Tenn
*L R Van Allen Co, P O Box 3610, Merchandise Mart Sta, Chicago 54, Ill

VERATRUM VIRIDE see Hellebore Root

VERMILION see Mercury Sulfide, Red

VERT DE MITIS see Copper Acetoarsenite

VERT DE VIENNE see Copper Acetoarsenite

VIENNA GREEN see Copper Acetoarsenite

VINE BLACK

Obtained from spent wine yeast. Black solid. Uses—mfr. artists colors; copper plate printing. Grades—tech.

Stanley Doggett, 75 Varick St, N Y 13
Witco Chem Co, 295 Madison Ave, N Y 17

VINEGAR NAPHTHA see Ethyl Acetate

VINIC ETHER see Ether

VINYL ACETATE

$CH_3CH.CO_2CH_3$. M.W. 86.05. Colorless liq. Sp. gr. 0.9342 (20°C/20°C). B.P. 163°C. Refractive Index 1.3958. F.P. —5°C to 8°C. Uses—mfr. synth. vinyl resins.

*American Polymer Corp, 101 Foster St, Peabody, Mass
Barclay Chem Co, 75 Varick St, N Y
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17

VINYL BENZENE see Styrene Monomer

VINYL CHLORIDE (Ethenyl Chloride, Chloroethylene, Chloroethene)

CH_2CHCl. M.W. 62.48. Gas. B.P. —18°C at 760 mm. Sp. gr. at 20°/20°C. 0.9121 and 0.9730 at —15°/4°C. Uses—synthesis.

American Firstoline Corp, 420 Lexington Ave, N Y
*American Polymer Corp, 101 Foster St, Peabody, Mass
Barclay Chem Co, 75 Varick St, N Y
*Dow Chem Co, Midland, Mich
*Monsanto Chem Co, Springfield, Mass

VINYL CYCLOHEXENE

*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
*R P Scherer Corp, 9425 Grinnell Ave, Detroit 13, Mich

VINYL-ETHYLENE see Butadiene

VINYL PYRIDINE

$C_5H_4NCHCH_2$. Boils at 159°C with resinification. (76 mm). Sl. sol. water; sol. dilute aqueous acids; sol. common organic solvents. Uses—mfr. of synth. elastomers; pharmaceuticals; organic synthesis.

*Mitchell Rand Mfg Co, 51 Murray St, N Y 7
*Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind

VINYL RESIN PLASTICIZERS

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*American Polymer Corp, 101 Foster St, Peabody, Mass
W W Angus, 220 Broadway, N Y
*Baker Castor Oil Co, 120 Broadway, N Y 5
*Barrett Div, 40 Rector St, N Y 6
*Commercial Solvents Corp, 17 E 42 St, N Y 17
*Deecy Products Co, 110 Potter St, Cambridge 42, Mass
*Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, Ohio
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Neville & Co, 190 Neville Is, Pittsburgh 25, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Pan American Refining Corp, 122 E 42 St, N Y 17
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
G A Wharry & Co, 95 Broad St, N Y

VISCOSITY IMPROVERS, DRYING OILS

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

VISCOSITY IMPROVERS, LUBRICANTS

Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Petroleum Specialties, 205 E 42 St, N Y 17

VISCOSITY IMPROVERS, OILS

Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa

VITAMIN A

American Roland Corp, 16 Hudson St, N Y
*Barnett Labs, 6256 Cherry Ave, Long Beach 5, Cal
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
Chematar Inc, Exchange Pl, N Y 5
*Collett-Week-Nibecker, Ft of Quimby St, Ossining N Y
Conray Products, 510 6 Ave, N Y 11
*Consumers Import Co, 350 5 Ave, N Y 1
*Dawe's Products & Affiliated Cos, 4800 S Richmond St, Chicago 32, Ill
*Desmo Chem Corp, 565 5 Ave, N Y 17
*Distillation Products Industries, Rochester 3, N Y
*Douglas Chem Corp, 1624 Darrow Ave, Evanston, Ill
*E F Drew & Co, 15 E 26 St, N Y 10
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Gen Biochem, 7 Laboratory Park, Chagrin Falls, Ohio
Gillies & Loughlin, 6363 Wilshire Blvd, Los Angeles 48 Cal
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*Halibut Liver Oil Producers, 101 E 5 St, Plainfield, N J
*Hoffman-La Roche, Nutley 10, N J
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
*International Fisheries Corp, 120 Wall St, N Y 5
Lamex Chem Corp, 25 Broadway, N Y 4
*Marine Products Co, 345 W 1 St, Boston 27, Mass
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
John M H Shline Co, 342 Madison Ave, N Y 17
Silas & Co, 3117 W Venice Blvd, Los Angeles 19, Cal
*Sterwin Chem, 1450 Broadway, N Y 18
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Vitamins Inc, 809 W 58 St, Chicago 21, Ill

*Company classifies itself as manufacturer or producer of this product

VITAMIN B_1 (Thiamine Hydrochloride)

$C_{12}H_{17}ClN_4OS.HCl$. M.W. 337.27. White crystalline powd. Uses—carbohydrate metabolism in the organism.

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Gane & Ingram, 43 W 16 St, N Y 11
Gillies & Loughlin, 6363 Wilshire Blvd, Los Angeles 48, Cal
*Hoffman-La Roche, Nutley 10, N J
C F Kirk Co, 521-523 W 23 St, N Y 11
Lamex Chem Corp, 25 Broadway, N Y 4
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
John M H Shline Co, 342 Madison Ave, N Y 17
Silas & Co, 3117 W Venice Blvd, Los Angeles 19, Cal
*Sterwin Chem, 1450 Broadway, N Y 18
George Uhe Co, 76 9 Ave, N Y 14
Vitamins Inc, 809 W 58 St, Chicago 21, Ill

VITAMIN B_2

$C_{17}H_{20}N_4O_6$. M.W. 376.36. Orange-yellow, crystalline product, melting at 280-290°C (with decomp.). It is only sl. sol. in water (0.0025 gram in 100 cc), the solution exhibiting an intense yellow-green fluorescence. Readily sol. in caustic soda solution, alcohol, cyclohexanol, and amyl acetate. Insol. in ether, chloroform, acetone, and benzol. The pure crystalline vitamin is sensitive to light, but it is stable in the dark even at high temp. It is also stable toward most oxidizing agents but can be reversibly reduced. A deficiency of this vitamin has an effect on growth and leads to skin lesions of various types. Riboflavin is generally used medicinally but is an essential ingredient of the new enriched flour.

Philipp Bauer Co, 2 W 47 St, N Y
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Sterwin Chem, 1450 Broadway, N Y 18
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
George Uhe Co, 76 9 Ave, N Y 14
*U S Industrial Chem, 60 E 42 St, N Y
Vitamins Inc, 809 W 58 St, Chicago 21, Ill

VITAMIN B_5

Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Vitamins Inc, 809 W 58 St, Chicago 21, Ill

VITAMIN B_6 (Pyridoxine Hydrochloride, Vitamin B_6 Hydrochloride, 2-Methyl-3-Hydroxy-4,5-Di-(Hydroxymethyl)-Pyridine Hydrochloride)

M.W. 205.64. White, odorless, crystalline powd. Sol. water; sl. sol. alcohol; practically insol. ether. Uses—medicinal.

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Conray Products, 510 6 Ave, N Y 11
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Gane & Inram, 43 W 16 St, N Y 11
*Hoffman-La Roche, Nutley 10, N J
C F Kirk Co, 521-523 W 23 St, N Y 11
Lamex Chem Corp, 25 Broadway, N Y 4
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Sterwin Chem, 1450 Broadway, N Y 18
George Uhe Co, 76 9 Ave, N Y 14
Vitamins Inc, 809 W 58 St, Chicago 21, Ill

VITAMIN B_{12}

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Conray Products, 510 6 Ave, N Y 11
*Dawe's Products & Affiliated Cos, 4800 S Richmond St, Chicago 32, Ill
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Gane & Ingram, 43 W 16 St, N Y 11
Gen Biochem, 7 Laboratory Park, Chagrin Falls,, Ohio
C F Kirk Co, 521-523 W 23 St, N Y 11
Lamex Chem Corp, 25 Broadway, N Y 4
McKesson & Robbins, 155 E 44 St, N Y 17
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

The First Name in Vitamins

MERCK

Ever since 1934, when the first of the vitamins (ascorbic acid) was synthesized, the name Merck has been first in the discovery, synthesis, development, and production of pure vitamin.

- Alpha Tocopherol
- Alpha Tocopheryl Acetate
- Ascorbic Acid U.S.P.
- Calcium Pantothenate Dextrorotatory
- Menadione U.S.P.
- Niacin
- Niacinamide
- Riboflavin U.S.P.
- Thiamine Hydrochloride U.S.P.
- Thiamine Hydrochloride U.S.P. for Ampuls
- Thiamine Mononitrate
- Vitamin A Acetate Synthetic
- Vitamin A Palmitate Synthetic
- Vitamin B_6 Hydrochloride
- Crystalline Vitamin B_{12} U.S.P.
- Trituration of Crystalline Vitamin B_{12} 0.1%
- Vitamin K_1

You are invited to write us regarding your manufacturing problems and requirements.

MERCK & CO., Inc.
Manufacturing Chemists
RAHWAY, NEW JERSEY
In Canada: MERCK & CO. Limited—Montreal

*Company classifies itself as manufacturer or producer of this product

RIBOFLAVIN, U. S. P.
in
Two Distinct Forms

RIBOFLAVIN R. S., U.S.P. Readily soluble for fluid preparations

RIBOFLAVIN, U.S.P. Standard solubility for capsules and dry preparations

Technical information will gladly be furnished upon request

COMMERCIAL SOLVENTS *Corporation*
Terre Haute, Indiana

VITAMIN B_{12}, continued

*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 6
John M H Shline Co, 342 Madison Ave, N Y 17
*Sterwin Chem, 1450 Broadway, N Y 18
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
George Uhe Co, 76 9 Ave, N Y 14
*U S Industrial Chem, 60 E 42 St, N Y
Vitamins Inc, 809 W 58 St, Chicago 21, Ill

VITAMIN C (Ascorbic Acid)

$C_6H_8O_6$. M.W. 176.12. White crystalline powd.; odorless; characteristic acidic taste. Uses—essential to animal life; therapeutically in treatment of scurvey and primary allied hemorrhagic conditions.

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
Conray Products, 510 6 Ave, N Y 11
Fallek Products Co, 163 Broadway, N Y 6
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Gane & Ingram, 43 W 16 St, N Y 11
Gillies & Loughlin, 6363 Wilshire Blvd, Los Angeles 48, Cal
*Hoffman-La Roche, Nutley 10, N J
Lamex Chem Corp, 25 Broadway, N Y 4
*Mallinckrodt Chem, 2 & Mallinckrort Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
*Chas Pfizer & Co, 630 Flushing Ave, Bklyn 6, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Sterwin Chem, 1450 Broadway, N Y 18
George Uhe Co, 76 9 Ave, N Y 14
Vitamins Inc, 809 W 58 St, Chicago 21, Ill

VITAMIN CONCENTRATES

*Collett-Week-Nibecker, Ft of Quimby St, Ossining, N Y
*Dawe's Products & Affiliated Cos, 4800 S Richmond St, Chicago 32, Ill
*Douglas Chem Corp, 1624 Darrow Ave, Evanston, Ill
*E F Drew & Co, 15 E 26 St, N Y 10
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Chas L Huisking & Co, 45 Clinton St, Bklyn 5, N Y
McKesson & Robbins, 155 E 44 St, N Y 17
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
*Novadel-Agene Corp, Lucidol Div, 1740 Military Rd, Buffalo 5, N Y

VITAMIN CONCENTRATES, continued

*Pendergrast Chem Co, 313 Chester Ave, S E, Altanta, Ga
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Standard Brands, 595 Madison Ave, N Y 22
Szenkovits Corp, Chrysler Bldg, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Vitamins Inc, 809 W 58 St, Chicago 21, Ill
*Whitmoyer Labs, 19 N Railroad St, Myerstown, Pa

VITAMIN D

Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Collett-Week-Nibecker, Ft of Quimby St, Ossining, N Y
*Dawe's Products & Affiliated Cos, 4800 S Richmond St, Chicago 32, Ill
*Douglas Chem Corp, 1624 Darrow Ave, Evanston, Ill
*E F Drew & Co, 15 E 26 St, N Y 10
Fallek Products Co, 163 Broadway, N Y 6
*Gen Mills, Special Commodities Div, 400 2 Ave S, Minneapolis 1, Minn
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
*International Fisheries Corp, 110 Wall St, N Y 5
Lamex Chem Corp, 25 Broadway, N Y 4
*Marine Products Co, 345 W 1 St, Boston 27, Mass
McKesson & Robbins, 155 E 44 St, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Standard Brands, 595 Madison Ave, N Y 22
*Sterwin Chem, 1450 Broadway, N Y 18
George Uhe Co, 76 9 Ave, N Y 14
Vitamins Inc, 809 W 58 St, Chicago 21, Ill

VITAMIN D_2

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Dawe's Products & Affiliated Cos, 4800 S Richmond St, Chicago 32, Ill
*Douglas Chem Corp, 1624 Darrow Ave, Evanston, Ill
*E F Drew & Co, 15 E 26 St, N Y 10
Fallek Products Co, 163 Broadway, N Y 6
R W Greeff & Co, 10 Rockefeller Plaza, N Y 20
Lamex Chem Corp, 25 Broadway, N Y 4
McKesson & Robbins, 155 E 44 St, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*R P Scherer Corp, 9425 Grinnell Ave, Detroit 13, Mich
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Standard Brands, 595 Madison Ave, N Y 22
*Sterwin Chem, 1450 Broadway, N Y 18
Szenkovits Corp, Chrysler Bldg, N Y 17

VITAMIN D_2, continued

Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
George Uhe Co, 76 9 Ave, N Y 14
Vitamins Inc, 809 W 58 St, Chicago 21, Ill
*Whitmoyer Labs, 19 N Railroad St, Myerstown, Pa

VITAMIN D_3

American Roland Corp, 16 Hudson St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Dawe's Products & Affiliated Cos, 4800 S Richmond St, Chicago 32, Ill
De Lamar-Hendrey Chem Co, 461 Erie St, Chicago 10, Ill
*E F Drew & Co, 15 E 26 St, N Y 10
*Douglas Chem Corp, 1624 Darrow Ave, Evanston, Ill
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
Lamex Chem Corp, 25 Broadway, N Y 4
McKesson & Robbins, 155 E 44 St, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*R P Scherer Corp, 9425 Grinnell Ave, Detroit 13, Mich
*Sterwin Chem, 1450 Broadway, N Y 18
Szenkovits Corp, Chrysler Bldg, N Y 17
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
George Uhe Co, 76 9 Ave, N Y 14
Vitamins Inc, 809 W 58 St, Chicago 21, Ill
*Whitmoyer Labs, 19 N Railroad St, Myerstown, Pa

VITAMIN E

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
Bendix Chem Corp, 420 Lexington Ave, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Distillation Products Industries, Rochester 3, N Y
Fallek Products Co, 163 Broadway, N Y 6
Gane & Ingram, 43 W 16 St, N Y 11
*Hoffman-La Roche, Nutley 10, N J
Lamex Chem Corp, 25 Broadway, N Y 4
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Sterwin Chem, 1450 Broadway, N Y 18
George Uhe Co, 76 9 Ave, N Y 14
Vitamins Inc, 809 W 58 St, Chicago 21, Ill

VITAMIN K (Menadione, 2-Methyl-1,4-Naphthoquinone, Menaphthene, Manaphthone)

M.W. 172.17. Bright yellow crystalline, nearly odorless powd. Practically insol. water; sl. sol. alcohol, chloroform, carbon tetrachloride; sol. benzene, vegetable oils. Uses—medicinal.

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Fallek Products Co, 163 Broadway, N Y 6
*Fine Organics, 211 E 19 St, N Y 3
Gane & Ingram, 43 W 16 St, N Y 11
Lamex Chem Corp, 25 Broadway, N Y 4
*Merck & Co, 100 Lincoln Ave, Rahway, N J
Herman Meyer Drug Co, 116-23 Jamaica Ave, Richmond Hill, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Vitamins Inc, 809 W 58 St, Chicago 21, Ill

VITAMIN K_3

American Roland Corp, 16 Hudson St, N Y
Philipp Bauer Co, 2 W 47 St, N Y
*Bios Labs, 17 W 60 St, N Y 23
Lamex Chem Corp, 25 Broadway, N Y 4
McKessen & Robbins, 155 E 44 St, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Vitamins Inc, 809 W 58 St, Chicago 21, Ill

DPi **VITAMINS A&E**

Vitamin A distilled natural ester concentrates in a variety of potencies and packaging.
Myvax® Synthetic Vitamin A Esters, first synthetic vitamin A.
Myva-Dry® Vitamin A Powder, a concentrate in dry powder form.
***d*,Tocopherol** and *d*,tocopheryl acetate, each in two potencies.

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Rochester 3, N. Y.
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VITRIOL see Zinc Sulfate

VOLCANIC ASH

Sedimentary rock composed of volcanic dust, ashes and cinders. Uses—as an abrasive material when processed.

Badger Chem Co, 1120 S Barclay St, Milwaukee 4, Wis
Hammill & Gillespie, 225 Broadway, N Y 7
Moore & Son, 4402 E Poe St, Tucson, Ariz
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13

VULCANIZING AGENTS, RUBBER

C P Hall Co, 2510 First National Tower Bldg, Akron Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*J M Huber Corp, 100 Park Ave, N Y 17
*Naugatuck Chem, Naugatuck, Conn
*Sharples Chem, 123 S Broad St, Phila 9, Pa
Witco Chem Co, 295 Madison Ave, N Y 17

WALL SALTPETER see Calcium Nitrate

*Company classifies itself as manufacturer or producer of this product

WALNUTSHELL FLOUR

Block Bros, 141-149 2 Ave S, Nashville 2, Tenn
Composition Materials Co, 23 W 44 St, N Y
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Standard Chem Co, 60 E Selberling St, Akron 5, Ohio
*Bernard Sirotta Co, 621 Smith St, Bklyn 31, N Y

WATER GLASS see Sodium Silicate

WATERPROOFING AGENTS, ASPHALT EMULSION

American Firstoline Corp, 420 Lexington Ave, N Y
Asphalt Emulsion Service, 331 Madison Ave, N Y 17
*Ceresit Waterproofing Corp, 3227 Shields Ave, Chicago 16, Ill
*Glyco Products Co, 28 Court St, Bklyn 2, N Y
New England Chem Co, 486 Boylston St, Boston 16, Mass
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Rocky Mtn Supply Co, 2120 Market St, Denver, Col
*Sullivan Co, 212 E Tregg Ave, Memphis, Tenn
*Toch Bros, 2600 Richmond Terrace, S I N Y
*Witco Chem Co, 295 Madison Ave, N Y 17

WATERPROOFING AGENTS, COLORLESS

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*Ceresit Waterproofing Corp, 3227 Shields Ave, Chicago 16, Ill
*Dow Corning Corp, Midland, Mich
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Linde Air Products Co, 30 E 42 St, N Y 17
New England Chem Co, 486 Boylston St, Boston 16, Mass
F G Okie, 5916 State Rd, Phila 24, Pa
*Rodgers Labs, 4135 S 6 St, Milwaukee 15, Wis
*Rubba Inc, 1015 E 173 St, N Y
*Sika Chem Corp, 33-47 Gregory Ave, Passaic, N J
*Sullivan Co, 212 E Tregg Ave, Memphis, Tenn
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

WATERPROOFING AGENTS, ELECTRICAL

American Firstoline Corp, 420 Lexington Ave, N Y
*Dow Corning Corp, Midland, Mich
*K F Griffiths & Co, 280 Madison Ave, N Y 16

WATERPROOFING AGENTS, LEATHER

*American Finish & Chem Co, 1012 Broadway, Chelsea 50, Mass
Antara Products Div, 435 Hudson St, N Y 14
*Dow Corning Corp, Midland, Mich
*Fiber Chem Corp, Box 218, Matawan, N J
*Fiebing Chem Co, 156 Second St, Milwaukee 4, Wis
*Gilbreath Chem Co, 383 Brannan St, San Francisco 7, Cal
Innis, Speiden & Co, 117 Liberty St, N Y 6
*Rubba, Inc, 1015 E 173 St, N Y

WATERPROOFING AGENTS, MASONRY

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Paza, N Y 20
*Arco Co of Cal, 745 E 59 St, Los Angeles, Cal
*Dow Corning Corp, Midland, Mich
*Hampden Color & Chem Co, 5 Albany St, Springfield, Mass
*Kemiko Mfg Co, 500 Chancellor Ave, Irvington 11, N J
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Linde Air Products Co, 30 E 42 St, N Y 17
*Mathe Chem Co, 169 Milbank St, Lodi, N J
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Sika Chem Corp, 33-47 Gregory Ave, Passaic, N J
*Stewart Chem Products Co, Longmont, Col
*Sullivan Co, 212 E Tregg Ave, Memphis, Tenn
*Toch Bros, 2600 Richmond Terrace, S I, N Y
*Witco Chem Co, 295 Madison Ave, N Y 17

WATERPROOFING AGENTS, RESIN BASE

American Firstoline Corp, 420 Lexington Ave, N Y
Chapman Chem Co, 707 Dermon Bldg, Memphis, Tenn
*Dow Corning Corp, Midland, Mich
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
F G Okie, 5916 State Rd, Phila 24, Pa
47, Ill
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago
*Sullivan Co, 212 E Tregg Ave, Memphis, Tenn

WATERPROOFING AGENTS, TEXTILE

*Amalgamated Chem Corp, Rorer & Ontario Sts, Phila 34, Pa
American Firstoline Corp, 420 Lexington Ave, N Y
Antara Products Div, 435 Hudson St, N Y 14
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Atlantic Refining Co, 260 E Broad St, Phila, Pa
*Carlstadt Chem Co, Carlstadt, N J
*Ciba Co, 627 Greenwich St, N Y 14
*Dow Corning Corp, Midland, Mich
*E F Drew & Co, 15 E 26 St, N Y 10
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Eastern Color & Chem Co, 137 Canal St, Providence, R I

ACTH
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INSULIN CRYSTALS
HORMONES

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Cables: TUTEURCHEM, N. Y.

WATERPROOFING AGENTS, TEXTILE, continued

Innis, Speiden & Co, 117 Liberty St, N Y 6
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*Marlyn Chem Co, 156 & Forsythe, Calumet City, Ill
*Montgomery Bros, Penrose & Packer Ave, Phila, Pa
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Petroleum Specialties, 205 E 42 St, N Y 17
*Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J
*Scher Bros, 519 Getty Ave, Clifton, N J
*Scholler Bros, Collins & Westmoreland Sts, Phila 34, Pa
Siegel Chem Co, 1 Hanson Pl, Bklyn 7, N Y
*Sullivan Co, 212 E Tregg Ave, Memphis, Tenn
*Tex-Chem Co, 20-21 Wagaraw Rd, Fairlawn, N J
Textile Proofers, 181 Culver Ave, Jersey City, N J
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
Welch, Holme & Clark Co, 439 West St, N Y 14
*Westvaco Chem Div, 405 Lexington Ave, N Y 17
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

WATER PURIFICATION CARBONS

*Darco Dept, Atlas Powder Co, 60 E 42 St, N Y
Merchants Chem Co, 60 E 42 St, N Y 17
L A Salomon & Bro, 216 Pearl St, N Y 38
Wilson Carbon Co, 60 E 42 St, N Y 17

WATER PURIFICATION COMPOUNDS

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Firstoline Corp, 420 Lexington Ave, N Y
*Anderson-Stolz Corp, 1731-33 Walnut St, Kansas City, Mo
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
Badger Chem Co, 1120 S Barclay St, Milwaukee 4, Wis
*Chem Labs, 1017 Sampson, Houston 3, Tex
*W B Coleman & Co, 9 & Rising Sun Ave, Phila 40, Pa
*Columbia-Southern Chem Corp, 5 Ave at Bellefield, Pittsburgh, Pa
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
*Elgin Softener Corp, Elgin, Ill
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
*Gen Reduction Co, 1820 Roscoe St, Chicago 13, Ill
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
*Mathieson Chem Corp, Mathieson Bldg, Baltimore 3, Md
*Phila Quartz Co, 1168 Public Ledger Bldg, Phila 6, Pa
*Superior Chem Works, 2528 Garland Ave, Louisville, Ky
*Virginia-Carolina Chem Corp, 401 E Main St, Richmond 8, Va
*Westvaco Chem Div, 405 Lexington Ave, N Y 17

WATER REPELLENTS, TEXTILE

*Alrose Chem Co, 180 Mill St, Cranston 5, R I
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Antara Products Div, 435 Hudson St, N Y 14
*Apex Chem Co, 225 W 34 St, N Y 1
*Arnold, Hoffman & Co, 55 Canal St, Providence, R I
*Atlantic Chem Co, 2072 Smith St, Centredale, R I
*Glover M Birk, Monon & Lincoln Aves, New Albany, Ind
*Burkart-Schier Chem Co, Chestnut St at 13, Chattanooga 2, Tenn
*Ciba Co, 627 Greenwich St, N Y 14
*Colloids Inc, 394 Frelinghuysen Ave, Newark 5, N J
*Cuprinol Div, Simsbury, Conn
*Dow Corning Corp, Midland, Mich
*E F Drew & Co, 15 E 26 St, N Y 10
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
*Geigy Co, 89 Barclay St, N Y 8
*H Kohnstamm & Co, 83 Park Pl, N Y 7
*Marlyn Chem Co, 156 & Forsythe, Calumet City, Ill
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J

WATER REPELLENTS, TEXTILE, continued

*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Polymer Industries, 284 Sheffield Ave, Bklyn 7, N Y
*Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J
*Royce Chem Co, Carlton Ave, Carlton Hill, N J
Sagamore Color & Chem Co, 178 Purchase St, Boston 10, Mass
*Sandoz Chem Works, 61 Van Dam St, N Y 13
*Scher Bros, 519 Getty Ave, Clifton, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Standard Chem Products, 1301 Jefferson St, Hoboken, N J
*Synthron Inc, Ashton, R I
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
*Warwick Chem Co Div, Wood River Junction, R I
Welch, Holme & Clark Co, 439 West St, N Y 14
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J
*Witco Chem Co, 295 Madison Ave, N Y 17

WATTLE BARK (Australian Bark, Mimosa Bark)

Bark of Australian Wattles, Accacia pycnantha, mollissima and bineirata. Uses—mfr. tanning extracts; tanning leather. Grades—various (extract-liq.).

*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
American Dyewood Co, 285 Madison Ave, N Y
Hal Delphin & Co, 880 Bergen Ave, Jersey City 6, N J
Olson Sales Agency, 20 Broad St, N Y 5
*Arthur C Trask Co, 4103 S LaSalle St, Chicago 9, Ill

WAX, BAYBERRY

Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Dura Chem Co, 20 Vesey St, N Y 7
John P Eberhart Co, 60 E 42 St, N Y 17
*Gen Wax Refg Co, 386 4 Ave, N Y
Howe & French, Mfg Dept, E Weymouth, Mass
International Wax Refining Corp, E Hawthorne Ave & L I R R, Valley Stream, N Y
George H Lincks, 312 Bridge St, Bklyn, N Y
Mutchler Chem Co, 258 Broadway, N Y 7
F H Paul & Stein Bros, 100 Gold St, N Y 38
F W Steadman Co, 59 Pearl St, N Y 4
*D Steengrafe & Co, 24 State St, N Y 4
Stevenson Bros & Co, 110 Race St, Phila 6, Pa
Hans Tobeason, 33 Rector St, N Y 6

WAX, BEES (Yellow Wax, Cera Flava)

White to yellowish, solid amorp. Natural. Sp. gr. 0.965-0.969. M.P. 63-64°C. Sol. alcohol, ether, acetone, chloroform. Uses—mfr. wax polishes, furniture polishes, candles, wood polishes and finishes, transparent papers, pomades, toilet preps., cosmetics, chewing gums, food products, sweetmeats, adhesive compositions; dressing and polishing leather; modeling fruits and flowers; base for plasters, etc.; engraving and lithography; sizing and finishing textiles: in medicine. Grades—U.S.P.—Brazilian; Chilean; African, Indian; domestic; crude; refined; white; yellow.

Agazarian & Co, 99 Hudson St, N Y 13
*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
American Firstoline Corp, 420 Lexington Ave, N Y
Barclay Chem Co, 75 Varick St, N Y
Bergstrom Trading Co, 233 Broadway, N Y
Biddle Sawyer Div, 25 Broad St, N Y 4
Block Bros, 141-149 2 Ave S, Nashville 2, Tenn
*Boler Petroleum Co, 121 E Broad St, Phila 7, Pa
Chem Service Corp, 82 Beaver St, N Y 5
John Clarke & Co, 420 Lexington Ave, N Y 17
*Cornelius Products Co, 386 4 Ave, N Y 16
Dadant & Sons, Hamilton, Ill
Delton Products Corp, 154 Nassau St, N Y 7
Wm Diehl & Co, 330 W 42 St, N Y
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Dura Chem Co, 20 Vesey St, N Y 7

*Company classifies itself as manufacturer or producer of this product

INDUSTRIAL RAW MATERIALS

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WAXES

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MADE TO ORDER AND SPECIFICATIONS EITHER AT OUR LYNDHURST, NEW JERSEY PLANT OR AT OUR REFINERY AT TITUSVILLE, PENNSYLVANIA

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Refinery—Titusville, Pennsylvania

WAX, BEES, continued

Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
John P Eberhart Co, 60 E 42 St, N Y 17
Gen Wax Refg Co, 386 4 Ave, N Y
W R Grace & Co, 7 Hanover Sq, N Y 5
C R Graybeal & Sons, Roan Mtn, Tenn
Greene Trading Co, 60 Wall St, N Y 5
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
R B Huber, 126 Tremont St, Boston 16, Mass
Hukill Chem Corp, 2533 Broadway, Cleveland 13, Ohio
*Innis, Speiden & Co, 117 Liberty St, N Y 6
*International Wax Refining Corp, E Hawthorne Ave, L I R R, Valley Stream, N Y
Walter H Jelly & Co, 420 N Western Ave, Chicago 12, Ill
*F B Koster Wax Refining Co, P O Box 22, Guilford, Conn
H R Laist Co, 229 Rialto Bldg, San Francisco 5, Cal
*Theodor Leonhard Wax Co, 136 Church St, Haledon-Paterson 2, N J
George H Lincks, 312 Bridge St, Bklyn, N Y
Herbert Marmorek & Son, 2153 78 St, Bklyn 14, N Y
Herbert B Morse & Co, 18 Mica Lane, Newton Lower Falls 62, Mass
Mutchler Chem Co, 258 Broadway, N Y 7
National Wax Co, 1300 Div St, Chicago 22, Ill
Wm D Neuberg Co, 420 Lexington Ave, N Y 17
Norda Essential Oil & Chem Co, 601 W 26 St, N Y 1
F H Paul & Stein Bros, 100 Gold St, N Y 38
M W Parsons-Plymouth, 59 Beekman St, N Y 38
Walter A Reinicke, 549 W Washington Blvd, Chicago 6, Ill
*Robinson-Wagner Co, 110 E 42 St, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
L A Salomon & Bro, 216 Pearl St, N Y 38
*Smith & Nichols, 121 Maiden Lane, N Y 38
F W Steadman Co, 59 Pearl St, N Y 4
*D Steengrafe & Co, 24 State St, N Y 4
*Stevenson Bros & Co, 110 Race St, Phila 6, Pa
Alfred F Stumpf Co, 140 Maiden Lane, N Y 7
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Hans Tobeason, 33 Rector St, N Y 6
*Wittemore-Wright Co, 62 Alford St, Boston 29, Mass

WAX, BEES (Substitute)

Synth. waxes of uniform quality having all the characteristics of genuine beeswax. Will not become rancid. Uses—mfr. of cosmetic creams, lipsticks, salves, pomades, leather and textile dressings, polishes, dental waxes, adhesives, electrical insulation, carbon paper, etc.

*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
M Argueso & Co, 106 Wall St, N Y 5
Barclay Chem Co, 75 Varick St, N Y
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
*Concord Chem Co, Moorestown, N J
*Cornelius Products Co, 386 4 Ave, N Y 16
Distributing & Trading Co, 444 Madison Ave, N Y 22
Dura Chem Co, 20 Vesey St, N Y 7
Gen Wax Refg Co, 386 4 Ave, N Y
Industrial Raw Materials Corp, 575 Madison Ave, N Y 22
*Innis, Speiden & Co, 117 Liberty St, N Y 6
*International Wax Refining Corp, E Hawthorne Ave L I R R, Valley Stream, N Y
*Mamaroneck Chem Corp, 442 Waverly Ave, Mamaroneck, N Y
F H Paul & Stein Bros, 100 Gold St, N Y 38
*Roger A Reed, 25 Ship Ave, Medford 55, Mass
*Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J
Smith & Nichols, 121 Maiden Lane, N Y 38
Alfred F Stumpf Co, 140 Maiden Lane, N Y 7

WAX, BRAZIL see Wax, Carnauba

WAX, CANDELILLA

Yellowish-brown, solid, natural amorp. Sp. gr. 0.983. M.P. 67-68°C. Saponification number 65. Iodine number 37. Sol. chloroform, turpentine. Uses—mfr. leather dressing, furniture, shoe polishes, candles, cements, varnishes, sealing wax, electrical insulating compositions, phonographic records, paper size, celluloid, rubber waterproofing and insect-proofing containers; paint removers; soft wax stiffener; substitute for carnauba wax and beeswax. Grades—tech. Cont.—bags (150, 200 lbs.). Tariff free.

*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
Amplex Co, 60 Wall St, N Y
M Argueso & Co, 106 Wall St, N Y 5
Barclay Chem Co, 75 Varick St, N Y
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
*Casner Candelilla Co, Box 120, Alpine, Tex
Chem Service Corp, 82 Beaver St, N Y 5
Concord Chem Co, Moorestown, N J
T G Cooper & Co, Cedar & Venango Sts, Phila 34, Pa
*Cornelius Products Co, 386 4 Ave, N Y 16
Delton Products Corp, 154 Nassau St, N Y 7
Wm Diehl & Co, 330 W 42 St, N Y
Distributing & Trading Co, 444 Madison Ave, N Y 22
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass

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Mamaroneck 9-4747
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WAX, CANDELILLA, continued

Dura Chem Co, 20 Vesey St, N Y 7
John P Eberhart Co, 60 E 42 St, N Y 17
Gen Wax Refg Co, 386 4 Ave, N Y
W R Grace & Co, 7 Hanover Sq, N Y 5
Philip A* Houghton, 30 Huntington Ave, Boston, Mass
R B Huber, 126 Tremont St, Boston 16, Mass
*Innis, Speiden & Co, 117 Liberty St, N Y 6
International Wax Refining Corp, E Hawthorne Ave I R R, Valley Stream, N Y
George H Lincks, 312 Bridge St, Bklyn, N Y
*Mamaroneck Chem Corp, 442 Waverly Ave, Mamaroneck, N Y
Herbert B Morse & Co, 18 Mica Lane, Newton Lower Falls 62, Mass
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Smith & Nichols, 121 Maiden Lane, N Y 38
F W Steadman Co, 59 Pearl St, N Y 4
Stein, Hall & Co, 285 Madison Ave, N Y 17
Alfred F Stumpf Co, 140 Maiden Lane, N Y 7
Hans Tobeason, 33 Rector St, N Y 6

WAX, CARNAUBA (Brazil Wax)

Yellowish-green or light yellow lumps, agreeable odor. Natural. Sp. gr. 0.995 (15°C). M.P. 84-86°C. Sap. No. 88.3. Acid No. 2-9. Iodine No. 13.17. Sol. ether, hot alcohol, alkalies. Uses—mfr. shoe and furniture polishes, lacquers, varnishes, phonograph records; carbon paper coating; hardening candles; leather finishes; in electrical insulating compositions; waterproofing textiles, wood, etc.; substitute for beeswax. Grades—No. 1 yellow; No. 2 N.C.; No. 2 regular; No. 3 N.C.; No. 3 chalky.

*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
American Firstoline Corp, 420 Lexington Ave, N Y
M Argueso & Co, 106 Wall St, N Y 5
*Avon Trading Co, 401 Broadway, N Y 13
Barclay Chem Co, 75 Varick St, N Y
Biddle Sawyer Div, 25 Broad St, N Y 4
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
F M Browning Co, 150 Broadway, N Y 38
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
Concord Chem Co, Moorestown, N J
T G Cooper & Co, Cedar & Venango Sts, Phila 34, Pa
*Cornelius Products Co, 386 4 Ave, N Y 16
Wm Diehl & Co, 330 W 42 St, N Y
Distributing & Trading Co, 444 Madison Ave, N Y 22
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*S P Drummond, 67 Wall St, N Y
Dura Chem Co, 20 Vesey St, N Y 7
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
John P Eberhart Co, 60 E 42 St, N Y 17
Gen Wax Refg Co, 386 4 Ave, N Y
W R Grace & Co, 7 Hanover Sq, N Y 5
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Philip A Houghton, 30 Huntington Ave, Boston, Mass
Howe & French, Mfg Dept, E Weymouth, Mass
R B Huber, 126 Tremont St, Boston 16, Mass
Hukill Chem Corp, 2533 Broadway, Cleveland 13, Ohio
*Innis, Speiden & Co, 117 Liberty St, N Y 6
International Wax Refining Corp, E Hawthorne Ave & L I R R, Valley Stream, N Y
George H Lincks, 312 Bridge St, Bklyn, N Y
Mamaroneck Chem Corp, 442 Waverly Ave, Mamaroneck, N Y
Herbert B Morse & Co, 18 Mica Lane, Newton Lower Falls 62, Mass
Mutchler Chem Co, 258 Broadway, N Y 7
Pacific Wax Refining Co, 64 Pine St, San Francisco 11, Cal
Roger A Reed, 25 Ship Ave, Medford 55, Mass
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
J B Ruth & Co, 114 S Central Ave, Los Angeles 12, Cal
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
*Smith & Nichols, 121 Maiden Lane, N Y 38
F W Steadman Co, 59 Pearl St, N Y 4
Stein, Hall & Co, 285 Madison Ave, N Y 17
Alfred F Stumpf Co, 140 Maiden Lane, N Y 7
Hans Tobeason, 33 Rector St, N Y 6

WAX, CARNAUBA (Substitute)

Synth. Carnauba waxes for use in the mfr. of water and paste waxes, leather polishes, wax fortified paints, emulsions, inks, sizing, varnishes, fillers, copy papers, etc.

*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
American Firstoline Corp, 420 Lexington Ave, N Y
*American Lignite Products Co, P O Box 5, Ione, Cal
M Argueso & Co, 106 Wall St, N Y 5
*Armour & Co, 1355 W 31 St, Chicago 9, Ill
*Avon Trading Co, 401 Broadway, N Y 13
*Baker Castor Oil Co, 120 Broadway, N Y 5
Barclay Chem Co, 75 Varick St, N Y
James V Bibbo Co, 110 Washington St, N Y 6
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
*Concord Chem Co, Moorestown, N J
*T G Cooper & Co, Cedar & Venango Sts, Phila 34, Pa
*Cornelius Products Co, 386 4 Ave, N Y 16
*Delft Co, 20 E Jackson Blvd, Chicago 4, Ill
Deiton Products Corp, 154 Nassau St, N Y 7

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candelilla wax
beeswax
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Three special grades for Candles, Matches, Paper, etc.
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Extra hard paraffins for quality candles, matches, and paper. No additives needed. M.P. 140°-160°F.
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Tank Truck
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Cartons
Bags
Slabs loose

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WAX, CARNAUBA, continued

Wm Diehl & Co, 330 W 42 St, N Y
Dura Chem Co, 20 Vesey St, N Y 7
Gen Wax Refg Co, 386 4 Ave, N Y
Industrial Raw Materials Corp, 575 Madison Ave, N Y 22
*Innis, Speiden & Co, 117 Liberty St, N Y 6
*International Wax Refining Corp, E Hawthorne Ave, L I R R, Valley Stream, N Y
*Mamaroneck Chem Co, 442 Waverly Ave, Mamaroneck, N Y
*Mitchell Rand Mfg Co, 51 Murray St, N Y 7
D H Osgood Co, 4181 Oakman Blvd, Detroit 4, Mich
Petroleum Specialties, 205 E 42 St, N Y 17
Roger A Reed, 25 Ship Ave, Medford 55, Mass
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J
*Science Industries, 609-15 Geyer Ave, St Louis 4, Mo
Alfred F Stumpf Co, 140 Maiden Lane, N Y 7
*Tilbury Refining Corp, 21-29 Dunham Pl, Bklyn 11, N Y
*Warwick Chem Co Div, Wood River Junction, R I

WAX, CERESIN (Cerin, Cerosin, Earth Wax, Mineral Wax, Purified Ozokerite)

Refined ozokerite, usually white or yellow, solid amorp. odorless. Natural. Sp. gr. 0.92-0.94. M.P. 68-72°C. Sol. alcohol, benzene, chloroform, naphtha. Uses—mfr. candles, shoe, floor and leather polishes, antifouling paints, wood polishes and fillers, incandescent gas mantles, paper size, waxed paper, lubricating compositions, waxes, figures and forms, toys, dolls, bottles for hydrofluoric acid; in electrical insulations; general size; impregnating and preserving agent; substitute for beeswax in crayons, perfume pastes, pomades, cosmetics, salves and other pharmaceutical products; matrix compositions in printing; printing forms; rubber mixtures; waterproofing textiles and cloth; textile dressing. Grades—white, yellow.

*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
Allied Wax & Oil Products Corp, 145 Nassau St, N Y 7
American Firstoline Corp, 420 Lexington Ave, N Y
M Argueso & Co, 106 Wall St, N Y 5
Barclay Chem Co, 75 Varick St, N Y
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
Chematar Inc, Exchange Pl, N Y 5
*Cornelius Products Co, 386 4 Ave, N Y 16
Doe & Ingalls, 56 Garden St, Everett Sta, Boston, 49, Mass
*S P Drummond, 67 Wall St, N Y
Dura Chem Co, 20 Vesey St, N Y 7
Gen Wax Refg Co, 386 4 Ave, N Y
Howe & French, Mfg Dept, E Weymouth, Mass
R B Huber, 126 Tremont St, Boston 16, Mass
Industrial Raw Materials Corp, 575 Madison Ave, N Y 22
*Innis, Speiden & Co, 117 Liberty St, N Y 6
*International Wax Refining Corp, E Hawthorne Ave & L I R R, Valley Stream, N Y
Walter H Jelly & Co, 420 N Western Ave, Chicago 12, Ill
Kuhne-Libby Co, 54 Front St, N Y 4
George H Lincks, 312 Bridge St, Bklyn, N Y
*Mamaroneck Chem Corp, 442 Waverly Ave, Mamaroneck, N Y
*Mitchell Rand Mfg Co, 51 Murray St, N Y 7
*National Wax Co, 1300 Div St, Chicago 22, Ill
Pacific Wax Refining Co, 64 Pine St, San Francisco 11, Cal
*M W Parsons-Plymouth, 59 Beekman St, N Y 38
*Quaker State Oil Refining Corp, Quaker State Bldg, Oil City, Pa
*Roger A Reed, 25 Ship Ave, Medford 55, Mass
*Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J
L A Salomon & Bro, 216 Pearl St, N Y 38
Smith & Nichols, 121 Maiden Lane, N Y 38
*Tilbury Refining Corp, 21-29 Dunham Pl, Bklyn 11, N Y
Hans Tobeason, 33 Rector St, N Y 6
*Warwick Chem Co Div, Wood River Junction, R I

WAX, CHINESE (Insect Wax, Vegetable Spermaceti, Tree Wax) wrongly called Japanese Wax

Secretion of insect inhabiting ash trees Western China. White to yellowish, odorless, almost tasteless solid. Sp. gr. 0.970 (15°C). M.P. 81°C. Sol. benzene. Sl. sol. alcohol, ether. Uses—mfr. candles, leather and furniture polish; in treating silk and cotton fabrics; sizing and glazing papers.

Distributing & Trading Co, 444 Madison Ave, N Y 22
Dura Chem Co, 20 Vesey St, N Y 7
John P Eberhart Co, 60 E 42 St, N Y 17
International Wax Refining Corp, E Hawthorne Ave & L I R R, Valley Stream, N Y

WAX, DIPPING

*American Mineral Spirits Co, 155 E 44 St, N Y 17
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
*Concord Chem Co, Moorestown, N J
Dura Chem Co, 20 Vesey St, N Y 7
*Gen Wax Refg Co, 386 4 Ave, N Y
*Hi-Test Chem Corp, 722-64 St, Bklyn 20, N Y
Industrial Raw Materials Corp, 575 Madison Ave, N Y 22
*International Wax Refining Corp, E Hawthorne Ave, & L I R R Valley Stream, N Y

*Company classifies itself as manufacturer or producer of this product

WAX, DIPPING, continued

*Mamaroneck Chem Corp, 442 Waverly Ave, Mamaroneck, N Y
*Mitchell Rand Mfg Co, 51 Murray St, N Y 7
*Herbert B Morse & Co, 18 Mica Lane, Newton Lower Falls 62, Mass
Petroleum Specialties, 205 E 42 St, N Y 17
*Stevenson Bros & Co, 110 Race St, Phila 6, Pa
*Warwick Chem Co Div, Wood River Junction, R I

WAX, EARTH see Wax, Ceresin

WAX, ENGRAVING

*American Mineral Spirits Co, 155 E 44 St, N Y 17
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
*Cornelius Products Co, 386 4 Ave, N Y 16
Gen Wax Refining Co, 386 4 Ave, N Y
*Innis, Speiden & Co, 117 Liberty St, N Y 6
*International Wax Refining Corp, E Hawthorne Ave & L I R R, Valley Stream, N Y
Kuhne-Libby Co, 54 Front St, N Y 4
*Quaker State Oil Refining Corp, Quaker State Bldg, Oil City, Pa
*Roger A Reed, 25 Ship Ave, Medford 55, Mass

WAX, FOSSIL see Wax, Ozokerite

WAX, JAPAN (Japan Tallow, Vegetable Wax of Japan, Sumac Wax)

Pale yellow flat cakes. Derived from Rhus. Natural. Sp. gr. 0.970-0.980. M.P. 53°C. Saponification No. 210-220. Iodine No. 5-12. Acid No. 7.33. Sol. benzol, naphtha. Uses—mfr. furniture, shoe and floor polishes, candles, wax matches, leather, polishing and finishing compositions; substitute for beeswax. Grades—tech.

*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
Barclay Chem Co, 75 Varick St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
*Concord Chem Co, Moorestown, N J
T H Cooper & Co, Cedar & Venango Sts, Phila 34, Pa
*Cornelius Products Co, 386 4 Ave, N Y 16
Wm Diehl & Co, 330 W 42 St, N Y
Dura Chem Co, 20 Vesey St, N Y 7
John P Eberhart Co, 60 E 42 St, N Y 17
Enco Chem Corp, 441 Lexington Ave, N Y 17
Fleischman, Burd & Co, 22 W 48 St, N Y 19
Gen Wax Refg Co, 386 4 Ave, N Y
Howe & French, Mfg Dept, E Weymouth, Mass
Industrial Raw Materials Corp, 575 Madison Ave, N Y 22
Innis, Speiden & Co, 117 Liberty St, N Y 6
*International Wax Refining Corp, E Hawthorne Ave & L I R R, Valley Stream, N Y
George H Lincks, 312 Bridge St, Bklyn, N Y
Mutchler Chem Co, 258 Broadway, N Y 7
*Roger A Reed, 25 Ship Ave, Medford 55, Mass
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J
F W Steadman Co, 59 Pearl St, N Y 4
Siber Hegner & Co, 183 Madison Ave, N Y 16
Stein, Hall & Co, 285 Madison Ave, N Y 17
Hans Tobeason, 33 Rector St, N Y 6
Wah-Chang Corp, 233 Broadway, N Y 7

WAX, LAMINATING

*American Mineral Spirits Co, 155 E 44 St, N Y 17
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
*Cornelius Products Co, 386 4 Ave, N Y 16
Gen Wax Refg Co, 386 4 Ave, N Y
*International Wax Refining Corp, E Hawthorne Ave & L I R R, Valley Stream, N Y
*Mamaroneck Chem Corp, 442 Waverly Ave, Mamaroneck, N Y
Herbert B Morse & Co, 18 Mica Lane, Newton Lower Falls 62, Mass
National Wax Co, 1300 W Div St, Chicago 22, Ill
Petroleum Specialties, 205 E 42 St, N Y 17
*Quaker State Oil Refining Corp, Quaker State Bldg, Oil City, Pa
*Scher Bros, 519 Getty Ave, Clifton, N J
*Tilbury Refining Corp, 21-29 Dunham Pl, Bklyn 11, N Y
*Warwick Chem Co Div, Wood River Junction, R I

WAX, LANOLIN (Lanolin Alcohols)

Waxy mixture of monohydroxy alcohols fractionated from Lanolin. M.P. 58-60°C. Uses—emulsifier, emollient and thickening agent in cosmetic emulsions and pharmaceutical ointments.

Barclay Chem Co, 75 Varick St, N Y
John Clarke & Co, 420 Lexington Ave, N Y 17
Dura Chem Co, 20 Vesey St, N Y 7
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapols 13, Minn
International Wax Refining Corp, E Hawthorne Ave & L I R R, Valley Stream, N Y
N I Malmstrom & Co, 147 Lombardy St, Bklyn 22, N Y
Walter A Reinicke, 549 W Washington Blvd, Chicago 6, Ill
*Robinson-Wagner Co, 110 E 42 St, N Y 17

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(THE FINEST JAPAN WAX REPLACEMENT)
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MICROCRYSTALLINE WAXES
CONCORD CHEMICAL COMPANY
MOORESTOWN, N.J.
Telephone: Moorestown 9-1100 Cable Address: "Conchem"

*Company classifies itself as manufacturer or producer of this product

INDUSTRIAL RAW MATERIALS

MICROCRYSTALLINE
WAXES

CUSTOM BLENDED
TO SPECIFICATION
IN OUR PLANT
AT LYNDHURST, N. J.

PARAFFIN WAXES
FROM OUR REFINERY
AT TITUSVILLE, PA.

Industrial RAW MATERIALS CORP.

MUrray Hill
8-8080

575 MADISON AVENUE, NEW YORK 22, N. Y.
Refinery—Titusville, Pennsylvania

WAX, LIGNITE see Wax, Montan

WAX, MICROCRYSTALLINE

*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
Allied Wax & Oil Products Corp, 145 Nassau St, N Y 7
American-British Chem Supplies, 180 Madison Ave, N Y
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
*American Mineral Spirits Co, 155 E 44 St, N Y 17
*Atlantic Refining Co, 260 S Broad St, Phila, Pa
Barclay Chem Co, 75 Varick St, N Y
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
E S Browning, 1515 3 St, San Francisco, Cal
Central Solvents & Chem Co, 2545 W Congress St, Chicago 12, Ill
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
John Clarke & Co, 420 Lexington Ave, N Y 17
*Concord Chem Co, Moorestown, N J
*Cornelius Products Co, 386 4 Ave, N Y 16
Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
Distributing & Trading Co, 444 Madison Ave, N Y 22
*S P Drumond, 67 Wall St, N Y
Dura Chem Co, 20 Vesey St, N Y 7
*Gen Wax Refg Co, 386 4 Ave, N Y
*Gilbreath Chem Co, 383 Brannan St, San Francisco 7 Cal
R B Huber, 126 Tremont St, Boston 16, Mass
Hukill Chem Corp, 2533 Broadway, Cleveland 13, Ohio
Industrial Raw Materials Corp, 575 Madison Ave, N Y 22
Innis, Speiden & Co, 117 Liberty St, N Y 6
*International Wax Refining Corp, E Hawthorne Ave & L I R R, Valley Stream, N Y
Kuhne-Libby Co, 54 Front St, N Y 4
George H Lincks, 312 Bridge St, Bklyn, N Y
Moore & Munger, 33 Rector St, N Y 6
Herbert B Morse & Co, 18 Mica Lane, Newton Lower Falls 62, Mass
National Wax Co, 1300 Div St, Chicago 22, Ill
Petroleum Specialties, 205 E 42 St, N Y 17
Petrolite Corp, 30 Broad St, N Y 4
*Quaker State Oil Refining Corp, Quaker State Bldg, Oil City, Pa
Roger A Reed, 25 Ship Ave, Medford 55, Mass
Reilly Tar & Chem Corp, 1615 Merchants Bank Bldg, Indianapolis 4, Ind
Republic Chem Corp, 94 Beekman St, N Y 38
Frank B Ross Co, 610 Ash St, Jersey City 4, N J
J B Ruth & Co, 114 S Central Ave, Los Angeles 12, Cal
L A Salomon & Bro, 216 Pearl St, N Y 38
Schibley & Ossmann, 33 Public Sq, Cleveland, Ohio
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
F W Steadman Co, 59 Pearl St, N Y 4
Stevenson Bros & Co, 110 Race St, Phila 6, Pa
Alfred F Stumpf Co, 140 Maiden Lane, N Y 7
*Tilbury Refining Corp, 21-29 Dunham Pl, Bklyn 11, N Y
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Warwick Chem Co Div, Wood River Junction, R I
*Wax Corp of America, 38-40 S 6 St, Bklyn 11, N Y

WAX, MONTAN (Lignite Wax)

Amorp. dark-brown to white (bleached) lumps. Derived from lignite coal. M.P. 80-90°C. Sol. carbon tetrachloride, benzol, chloroform. Uses—mfr. polishing preps. paints, varnishes, tarry roofing compositions, waterproofing paints, shoe creams and polishes, phonograph records, insulating compositions, candles, soaps, adhesive pastes; substitute for Carnauba and bees wax; finishing leather goods; increasing hardness of fat compositions; paper sizing. Grades—crude; bleached.

*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
American Firstoline Corp, 420 Lexington Ave, N Y
*American Lignite Products Co, P O Box 5, Ione, Cal
Barclay Chem Co, 75 Varick St, N Y
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
Chem Service Corp, 82 Beaver St, N Y 5
*Cornelius Products Co, 386 4 Ave, N Y 16
Delton Products Corp, 154 Nassau St, N Y 7
Wm Diehl & Co, 330 W 42 St, N Y
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Dura Chem Co, 20 Vesey St, N Y 7
John P Eberhart Co, 60 E 42 St, N Y 17
*Gen Wax Refg Co, 386 4 Ave, N Y
W R Grace & Co, 7 Hanover Sq, N Y 5
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
R B Huber, 126 Tremont St, Boston 16, Mass
Industrial Raw Materials Corp, 575 Madison Ave, N Y 22

BARECO *Microcrystalline* WAXES

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DAIRY PRODUCTS PACKAGING

FROZEN FOOD PACKAGING

TOBACCO PACKAGING

VAT AND TANK LINING

FOOD LOCKER PAPER

WIRE AND CABLE INSULATION

COILS AND CONDENSERS

TEXTILE SIZES

SALVES AND OINTMENTS

RUST PREVENTIVES

PRINTING INK

CARBON PAPER

POLISHES

DENTAL WAXES

DESCRIPTION

Bareco Microcrystalline Waxes are complex hydrocarbons, microcrystalline in structure, separated from selected fractions of petroleum. Investigation has shown, from their determined molecular weight, that their approximate composition may be expressed by the formula $C_{18}H_{98}$—hydrocarbons of the saturated aliphatic series. They are 100% pure petroleum products containing no adulterants or additions of any kind. The term mircocrystalline is a general one used to describe the crystalline structure of these waxes in contrast to paraffin wax which, while also produced from petroleum, has much larger crystals.

FLEXIBILITY

Bareco's complete line of 19 different microcrystalline waxes affords the user the choice of the correct grade for his specific application. Soft, plastic and ductile waxes, hard brittle waxes of high melting point, as well as intermediate grades, are included in the line. Write for samples today.

GRADES AND COLORS

Bareco Microcrystalline Waxes are manufactured in a wide range of melting points—155°F. —195°F. This flexibility provides opportunity for wax application over hundreds of different industries, a sample of which can be seen at the far left. Several color grades are available within each melting point range.

PROPERTIES

High Water Vapor Resistance
High Melting Points, 155°F.-195°F.
Excellent Heat Sealing Characteristics
Chemically Inert
Excellent Electrical Characteristics
Odorless and Tasteless

BARECO OIL CO.
BOX 2009 TULSA, OKLA.
121 S. BROAD ST. PHILADELPHIA, PA.

*Company classifies itself as manufacturer or producer of this product

QUALITY D.T. BRAND

WAXES

SAMPLES FURNISHED ON REQUEST

Domestic Waxes
OZOKERITE
MICROCRYSTALLINE
WAX COMPOUNDS

All Ranges
Imported Waxes
OURICURY
CANDELILLA
CARNAUBA
Crude and Refined

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DURA CHEMICAL COMPANY
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NEW YORK 7, N. Y. CABLES "DURACHEMIC"

BOLER

WAXES

PARAFFIN WAXES
PARAFFLEX WAXES
MICROCRYSTALLINE WAXES
LAMINATING WAXES
HOT MELT COATINGS
WAX RESIN CONCENTRATES
WAX COMPOUNDS
VEGETABLE WAXES
SYNTHETIC WAXES
PETROLATUMS

BOLER PETROLEUM CO.
Petroleum and Its Products
121 S. Broad Street, Philadelphia 7, Pa.
Cable Address: "CABOL" PHILA.

WAX, MONTAN, continued

*Innis, Speiden & Co, 117 Liberty St, N Y 6
International Wax Refining Corp, E Hawthorne Ave & L I R R, Valley Stream, N Y
George H Lincks, 312 Bridge St, Bklyn, N Y
Herbert B Morse & Co, 18 Mica Lane, Newton Lower Falls 62, Mass
Mutchler Chem Co, 258 Broadway, N Y 7
Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J
*Siemon Colors, 318 Ogden St, Newark 4, N J
F W Steadman Co, 59 Pearl St, N Y 4
Alfred F Stumpf Co, 140 Maiden Lane, N Y 7
Hans Tobeason, 33 Rector St, N Y 6

WAX, PARAFFIN

Waxy, white translucent, tasteless, odorless solid. Consists of mixture of solid hydrocarbons chiefly of methane series from petroleum. Sp. gr. 0.880 to 0.933. M.P. 42° to 74°C. Sol. benzine, benzene, chloroform, turpentine, olive oil, warm alcohol, and carbon disulfide; insol. in acids. Uses—mfr. phonograph records; floor polishes; extraction of perfumes from flowers; cosmetics; photography; anti-frothing agent in sugar refining; packing tobacco products; coating interior of wine casks; protecting rubber products from suncracking; mfr. paraffin candles, waxed paper, etc.; waterproofing wood, cork, etc.; impregnating matches; stearin candles; lubricants; preserving eggs; oil crayons; pharmacy (to stiffen ointments); surgery; stoppers for acid bottles; preservative covers for food products; electrical insulation; laundering; preservative for railroad ties. Grades—yellow crude, scale, white scale, refined wax, U.S.P.

*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
Allied Wax & Oil Products Corp, 145 Nassau St, N Y 7
American Firstoline Corp, 420 Lexington Ave, N Y
*Atlantic Refining Co, 260 S Broad St, Phila, Pa
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Leo Berberich, 198 Broadway, N Y 38
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
F M Browning Co, 150 Broadway, N Y 38
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
John Clarke & Co, 420 Lexington Ave, N Y 17
Cole Labs, 42-25 9 St, L I C 1, N Y
Cornelius Products Co, 386 4 Ave, N Y 16
Deep Rock Oil Corp, 624 Mich, Chicago 5, Ill
Delon Products Corp, 154 Nassau St, N Y 7

afc

Genuine
MONTAN
WAX
Crude and Refined

Resins
Waxes
Plastics
Solvents
Plasticizers

Industrial Chemicals

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420 LEXINGTON AVE., N. Y. 17, N. Y.
MU-3-3203

*Company classifies itself as manufacturer or producer of this product

INDUSTRIAL RAW MATERIALS

MICROCRYSTALLINE
WAXES

PARAFFIN WAX
MICRO WAX

WAX SPECIALTIES

INDRALATUM
VELATRUM
INDRAWAX

Industrial RAW MATERIALS CORP.

MUrray Hill
8-8080

575 MADISON AVENUE, NEW YORK 22, N.Y.
Refinery—Titusville, Pennsylvania

PARAFFIN WAX

Microcrystalline Wax

WAX CORPORATION OF AMERICA
38-40 South 6th Street
Brooklyn, N. Y.

International Wax Refining Corp.
VALLEY STREAM, N. Y.
Manufacturers and Importers OF SYNTHETIC and NATURAL
WAXES

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ORegon 9-2310
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WAX, PARAFFIN, continued

Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
Distributing & Trading Co, 444 Madison Ave, N Y 22
*S P Drummond, 67 Wall St, N Y
Dura Chem Co, 20 Vesey St, N Y 7
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
John P Eberhart Co, 60 E 42 St, N Y 17
Farber Products Co, 226 Lafayette St, N Y 12
*Freedom-Valvoline Oil Co, 309 6 Ave, Freedom, Pa
*Gen Wax Refg Co, 386 4 Ave, N Y
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Henry L Grund, 406 Bulkley Bldg, Cleveland, Ohio
Hukill Chem Corp, 2533 Broadway, Cleveland 13, Ohio
Industrial Raw Materials Corp, 575 Madison Ave, N Y 22
Innis, Speiden & Co, 117 Liberty St, N Y 6
International Wax Refining Corp, E Hawthorne Ave & LIRR, Valley Stream, N Y
E H Kellogg & Co, 93 Water St, N Y 5
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
George H Lincks, 312 Bridge St, Bklyn, N Y
*Merichem Co, 3101 Fannin St, Houston 4, Tex
Moore & Munger, 33 Rector St, N Y 6
Mutchler Chem Co, 258 Broadway, N Y 7
National Wax Co, 1300 W Div St, Chicago 22, Ill
Oil & Chem Products, 295 Madison Ave, N Y 17
Vimpex Inc, 149 Broadway, N Y 6
Pacific Wax Refining Co, 64 Pine St, San Francisco 11, Cal
Chas Page & Co, 50 E 42 St, N Y 17
M W Parsons-Plymouth, 59 Beekman St, N Y 38
Petroleum Specialties, 205 E 42 St, N Y 17
Prime Products Corp, 62 William St, N Y 5
*Quaker State Oil Refining Corp, Quaker State Bldg, Oil City, Pa
Roger A Reed, 25 Ship Ave, Medford 55, Mass
Republic Chem Corp, 94 Beekman St, N Y 38
Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Smith & Nichols, 121 Maiden Lane, N Y 38
F W Steadman Co, 59 Pearl St, N Y 4
Stevenson Bros & Co, 110 Race St, Phila 6, Pa
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Tiona Petroleum Co, 501 Broad St, Phila 2, Pa
*Union Oil Co of Cal, 617 W 7 St, Los Angeles 17, Cal
*Warwick Chem Co Div, Wood River Junction, R I
*Wax Corp of America, 38-40 5 6 St, Bklyn 11, N Y

WAX, PETROLEUM

Obtained as by-product from the distillation of paraffin base petroleum. Outstanding characteristic is the resistance to the passage of moisture vapor. Uses—in candle-making, as impregnating and coating material for paper and cardboard. Low fire hazard, stability and high glosscs which are obtainable with their use are certain other important characteristics. Various grades include scale wax, semi-refined wax, fully refined wax, the plastic or amorp. waxes, such as ceresine, ozokerite, etc., which while not made from petroleum in the usual sense, nevertheless are hydrocarbon waxes of mineral origin and hence can be placed in the same category as the petroleum waxes. The petrolatums are also amorp. waxes and should be included in this general grouping.

*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
Barclay Chem Co, 75 Varick St, N Y
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
Buffalo Solvents & Chem Corp, Box 73, Sta B, Buffalo 7, N Y
*Concord Chem Co, Moorestown, N J
Cornelius Products Co, 386 4 Ave, N Y 16
Distributing & Trading Co, 444 Madison Ave, N Y 22
Dura Chem Co, 20 Vesey St, N Y 7
*Gen Wax Refg Co, 386 4 Ave, N Y
*Gulf Refining Co, 722 Gulf Bldg, Pittsburgh 30, Pa
J W Guthrie Co, 725-2 St, San Francisco 7, Cal
Industrial Raw Materials Corp, 575 Madison Ave, N Y 22
International Wax Refining Corp, E Hawthorne Ave & LIRR, Valley Stream, N Y
E H Kellogg & Co, 93 Water St, N Y 5
*Kendall Refining Co, 77 N Kendall Ave, Bradford, Pa
Moore & Munger, 33 Rector St, N Y 6
National Wax Co, 1300 W Div St, Chicago 22, Ill
Petroleum Specialties, 205 E 42 St, N Y 17
Petrolite Corp, 30 Broad St, N Y 4
*Quaker State Oil Refining Corp, Quaker State Bldg, Oil City, Pa
Republic Chem Corp, 94 Beekman St, N Y 38
Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J
L A Salomon & Bro, 216 Pearl St, N Y 38
*Sinclair Refining Corp, 600 S Mich Ave, N Y 38
*Standard Oil Co, 910 S Mich Ave, Chicago 80, Ill
*Tilbury Refining Corp, 21-29 Dunham Pl, Bklyn 11, N Y
*Tiona Petroleum Co, 501 Broad St, Phila 2, Pa
*Warwick Chem Co Div, Wood River Junction, R I
*Wax Corp of America, 38-40 S 6 St, Bklyn 11, N Y
*Witco Chem Co, 295 Madison Ave, N Y 17

*Company classifies itself as manufacturer or producer of this product

WAX, SHELLAC

*Bradshaw-Praeger & Co, 3252 W 47 Pl, Chicago 32, Ill
*Cornelius Products Co, 386 4 Ave, N Y 16
Wm Diehl & Co, 330 W 42 St, N Y
*Dings & Schuster, 17 John St, N Y 38
Dura Chem Co, 20 Vesey St, N Y 7
*Gen Wax Refg Co, 386 4 Ave, N Y
R B Huber, 126 Tremont St, Boston 16, Mass
International Wax Refining Corp, E Hawthorne Ave & LIRR, Valley Stream, N Y
George H Lincks, 312 Bridge St, Bklyn, N Y
*Shields Buying Service, 15 Moore St, N Y 4

WAX, SPERMACETI (Cetaceum)

From sperm whale, mostly cetyl palmitate. Pearly-white, solid amorp. Sp. gr. 0.945. M.P. 45°C. Sol. ether, chloroform, carbon disulfide, and hot alcohol. Uses—mfr. chemical emulsions, cerates.

*American Mineral Spirits Co, 155 E 44 St, N Y 17
*Archer-Daniels-Midland Co, Chem Products Div, 2191 W 110 St, Cleveland 2, Ohio
Barclay Chem Co, 75 Varick St, N Y
Bergstrom Trading Co, 233 Broadway, N Y
Dura Chem Co, 20 Vesey St, N Y 7
*Gen Wax Refg Co, 386 4 Ave, N Y
Innis, Speiden & Co, 117 Liberty St, N Y 6
International Wax Refining Corp, E Hawthorne Ave & LIRR, Valley Stream, N Y
Walter H Jelly & Co, 420 N Western Ave, Chicago 12, Ill
Mutchler Chem Co, 258 Broadway, N Y 7
M W Parsons-Plymouth, 59 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
L A Salomon & Bro, 216 Pearl St, N Y 38

WAX, SUMAC see Wax, Japan

WAX, TREE see Wax, Chinese

WAX, VEGETABLE, of Japan see Wax, Japan

WAX, YELLOW see Wax, Bees

WAXES, AMORPHOUS

*Bareco Oil Co, P O Box 2009, Tulsa, Okla
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
*Concord Chem Co, Moorestown, N J
*Cornelius Products Co, 386 4 Ave, N Y 16
Distributing & Trading Co, 444 Madison Ave, N Y 22

WAXES
For Every Industrial Use

IMPORTED
Carnauba
Beeswax
Candelilla
Montan, etc.



SYNTHETIC
Emulsowax
Solvawax
Ceroflex
Nipocera, etc.

WRITE FOR TECHNICAL LITERATURE

CORNELIUS PRODUCTS COMPANY
386 Fourth Ave. New York 16 -MU 6-6791
14 E. Jackson Blvd. Chicago 4. WA 2-5971

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Other Waxes
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BEES WAX • JAPAN WAX
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Also a Complete Line of Industrial and Fine Chemicals, Botanicals, Gums and Oils

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259 Broadway, New York 7, N. Y. *DIgby 9-4735*

WAX
Mekon* Micro-crystalline Petroleum Wax • Cardis* Emulsifiable Petroleum Wax • Fortex* Micro-crystalline Petroleum Wax • Sugar Cane Wax • Warco Micro-crystalline Petroleum Wax • Paraffin Wax • Samples, technical data and service for any wax formulation. Call—

WARWICK
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10th Street and 44th Avenue,
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QUALITY D.T. Dee Lee BRAND
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All Ranges
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444 MADISON AVENUE, NEW YORK 22 ELdorado 5-0776

U. S. P. SPERMACETI WAX
Melting Point 42 to 47° Cent. Acid Number . . . . . Nil
Free Fatty Acid . . . Neutral Sap. Number . 125 to 128
Iodine Number . . . 3.0 max. Unsaponifiable 45 to 50%
Sp. Gr. @ 60° F. . . . .940 to .946
Sperm Oil . . . Fatty Acids . . . Fatty Alcohols
For information and samples write to
Hydrofol PRODUCTS
ARCHER • DANIELS • MIDLAND *Company*
CHEMICAL PRODUCTS DIVISION
2192 West 110th Street • Cleveland 2, Ohio

*Company classifies itself as manufacturer or producer of this product

INDUSTRIAL RAW MATERIALS

MICROCRYSTALLINE
WAXES

PARAFFIN
WAXES

ASPHALT

Export Representatives for

TALCO ASPHALT & REFINING CO.
AMERICAN LIBERTY OIL COMPANY
Plant—Lyndhurst, N. J

Industrial RAW MATERIALS CORP.

MUrray Hill
8-8080

575 MADISON AVENUE, NEW YORK 22, N. Y.
Refinery—Titusville, Pennsylvania

WAXES, AMORPHOUS, continued

*S P Drummond, 67 Wall St, N Y
Dura Chem Co, 20 Vesey St, N Y 7
*Gen Wax Refg Co, 386 4 Ave, N Y
Industrial Raw Materials Corp, 575 Madison Ave, N Y 22
Innis, Speiden & Co, 117 Liberty St, N Y 6
International Wax Refining Corp, E Hawthorne Ave & LIRR, Valley Stream, N Y
Moore & Munger, 33 Rector St, N Y 6
National Wax Co, 1300 W Div St, Chicago 22, Ill
Petroleum Specialties, 205 E 42 St, N Y 17
*Quaker State Oil Refining Corp, Quaker State Bldg, Oil City, Pa
Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J
F W Steadman Co, 59 Pearl St, N Y 4
*Tilbury Refining Corp, 21-29 Dunham Pl, Bklyn 11, N Y
*Warwick Chem Co Div, Wood River Junction, R I

WAXES, BATTERY

*Bareco Oil Co, P O Box 2009, Tulsa, Okla
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
Gen Wax Refg Co, 386 4 Ave, N Y
*Innis, Speiden & Co, 117 Liberty St, N Y 6
*International Wax Refining Corp, E Hawthorne Ave & LIRR, Valley Stream, N Y
*Mamaroneck Chem Corp, 442 Waverly Ave, Mamaroneck, N Y
Petroleum Specialties, 205 E 42 St, N Y 17
*Warwick Chem Co Div, Wood River Junction, R I

WAXES, CABLE

American Firstoline Corp, 420 Lexington Ave, N Y
*Bareco Oil Co, P O Box 2009, Tulsa, Okla
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
Chem Service Corp, 82 Beaver St, N Y 5
Wm Diehl & Co, 330 W 42 St, N Y
Gen Wax Refg Co, 386 4 Ave, N Y
*Innis, Speiden & Co, 117 Liberty St, N Y 6
*International Wax Refining Corp, E Hawthorne Ave, & LIRR, Valley Stream, N Y
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Mamaroneck Chem Corp, 442 Waverly Ave, Mamaroneck, N Y
*Herbert B Morse & Co, 18 Mica Lane, Newton Lower Falls 62, Mass
Petroleum Specialties, 205 E 42 St, N Y 17

WAXES, CANNING

*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
*International Wax Refining Corp, E Hawthorne Ave & LIRR, Valley Stream, N Y
*Mamaroneck Chem Corp, 442 Waverly Ave, Mamaroneck, N Y
Petroleum Specialties, 205 E 42 St, N Y 17
*Quaker State Oil Refining Corp, Quaker State Bldg, Oil City, Pa

WAXES, CASTING

American Firstoline Corp, 420 Lexington Ave, N Y
M Argueso & Co, 106 Wall St, N Y 5
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
*Cornelius Products Co, 386 4 Ave, N Y 16
Wm Diehl & Co, 330 W 42 St, N Y
Gen Wax Refg Co, 386 4 Ave, N Y
*Innis, Speiden & Co, 117 Liberty St, N Y 6
*International Wax Refining Corp, E Hawthorne Ave, & LIRR, Valley Stream, N Y
*Mamaroneck Chem Corp, 442 Waverly Ave, Mamaroneck, N Y
*Mitchell Rand Mfg Co, 51 Murray St, N Y 7
Petrolite Corp, 30 Broad St, N Y 4
*Roger A Reed, 25 Ship Ave, Medford 55, Mass
*Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J

WAXES, ELECTROTYPERS'

*Bareco Oil Co, P O Box 2009, Tulsa, Okla
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Gen Wax Refg Co, 386 4 Ave, N Y
*Innis, Speiden & Co, 117 Liberty St, N Y 6
*International Wax Refining Corp, E Hawthorne Ave & LIRR, Valley Stream, N Y
Kuhne-Libby Co, 64 Front St, N Y 4
*Ozokerite Mining Co, 146 N Division Ave, Grand Rapids 2, Mich
Petroleum Specialties, 205 E 42 St, N Y 17
*Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J
L A Salomon & Bro, 216 Pearl St, N Y 38

WAXES, FIRE RESISTANT

International Wax Refining Corp, E Hawthorne Ave & LIRR, Valley Stream, N Y

WAXES, FLOOR

Frank B Ross Co, 6-10 Ash St, Jersey City, N J

WAXES

Corumbu Wax 812—Complete Replacement for Carnauba in Water Wax Emulsion

Corumbu Wax C—For manufacture of High Grade Carbon Paper

Akusaka Wax—The ORIGINAL Japan Wax Replacement

Wax Blending to your specifications Our Specialty

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WAXES, FOOD COATING

*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
*Bareco Oil Co, P O Box 2009, Tulsa, Okla
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
Chem Service Corp, 82 Beaver St, N Y 5
*Cornelius Products Co, 386 4 Ave, N Y 16
Gen Wax Refg Co, 386 4 Ave, N Y
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*International Wax Refining Corp, E Hawthorne Ave & LIRR, Valley Stream, N Y
*Mamaroneck Chem Corp, 442 Waverly Ave, Mamaroneck, N Y
*Mitchell Rand Mfg Co, 51 Murray St, N Y 7
Moore & Munger, 33 Rector St, N Y 6
*National Wax Co, 1300 W Div St, Chicago 22, Ill
Petroleum Specialities, 205 E 42 St, N Y 17
Pyroxyline Products, 4851 S St Louis Ave, Chicago 32, Ill
*Quaker State Oil Refining Corp, Quaker State Bldg, Oil City, Pa
*Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J
*Warwick Chem Co Div, Wood River Junction, R I

WAXES, I. G.

Dark brown to light yellow. Derived from Lignite coal. Sp. gr. 0.99-1.04(20°C). M.P. 79-106°C. Saponification No. 95-178. Acid No. 10-157. Unsap. matter 5-22%. Sol. carbon tetrachloride, turpentine, ethyl acetate, benzene. Uses—mfr. floor wax, furniture polish, shoe polish, leather dressings, auto polish, carbon paper, crayons, paper sizes, varnish textile sizes & finishes, cosmetics, candles, lubricating compounds.

Barclay Chem Co, 75 Varick St, N Y
Fred L Brooke Co, 3340 N Halsted St, Chicago, Ill
Cornelius Products Co, 386 4 Ave, N Y 16
*Gen Wax Refg Co, 386 4 Ave, N Y
International Wax Refining Corp, E Hawthorne Ave & LIRR, Valley Stream, N Y
George H Lincks, 312 Bridge St, Bklyn, N Y
*Siemon Colors, 318 Ogden St, Newark 4, N J

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*Bareco Oil Co, P O Box 2009, Tulsa, Okla
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
*Carlisle Chem Works, West St, Reading 15, Ohio
*Concord Chem Co, Moorestown, N J
*Cornelius Products Co, 386 4 Ave, N Y 16
Distributing & Trading Co, 444 Madison Ave, N Y 22
Gen Wax Refg Co, 386 4 Ave, N Y
K F Griffiths & Co, 280 Madison Ave, N Y 16
*Hi-Test Chem Corp, 722 64 St, Bklyn 20, N Y
Industrial Raw Materials Corp, 575 Madison Ave, N Y 22
*Innis, Speiden & Co, 117 Liberty St, N Y 6
*International Wax Refining Corp, E Hawthorne Ave & LIRR, Valley Stream, N Y
*Mamaroneck Chem Corp, 442 Waverly Ave, Mamaroneck, N Y
*Mitchell Rand Mfg Co, 51 Murray St, N Y 7
Petroleum Specialties, 205 E 42 St, N Y 17
*Quaker State Oil Refining Corp, Quaker State Bldg, Oil City, Pa
J B Ruth & Co, 114 S Central Ave, Los Angeles 12, Cal

WAXES, MINERAL

Waxes largely derived from: 1. The distillation of petroleum oils: 2. Through solvent extraction of lignite shales: and 3. From mines. Most important members of the group are montan, paraffin, ozokerite, ceresine.

*Abeles-Wilson Chem Corp, 307 5 Ave, N Y 16
*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
American Firstoline Corp, 420 Lexington Ave, N Y
*Bareco Oil Co, P O Box 2009, Tulsa, Okla
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
*Cornelius Products Co, 386 4 Ave, N Y 16
Wm Diehl & Co, 330 W 42 St, N Y
Distributing & Trading Co, 444 Madison Ave, N Y 22
*S P Drummond, 67 Wall St, N Y
Dura Chem Co, 20 Vesey St, N Y 7
Gen Wax Refg Co, 386 4 Ave, N Y
Industrial Raw Materials Corp, 575 Madison Ave, N Y 22
*Innis, Speiden & Co, 117 Liberty St, N Y 6
*International Wax Refining Corp, E Hawthorne Ave & LIRR, Valley Stream, N Y
George H Lincks, 312 Bridge St, Bklyn, N Y
Moore & Munger, 33 Rector St, N Y 6
*Ozokerite Mining, 146 N Division Ave, Grand Rapids 2, Mich
M W Parsons-Plymouth, 59 Beekman St, N Y 38
Petroleum Specialties, 205 E 42 St, N Y 17
Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J
*Siemon Colors, 318 Ogden St, Newark 4, N J
*Tiona Petroleum Co, 501 Broad St, Phila 2, Pa
*Warwick Chem Co Div, Wood River Junction, R I

WAXES, NATURAL

Waxes of natural origin as distinguished from those of synth. origin. Natural waxes may be divided into 3 groups according to their origin:—Vegetable Waxes; Mineral Waxes; Insect Waxes. See Waxes, Insect; Waxes, Mineral; Waxes, Vegetable, etc.

*Allied Asphalt & Mineral Corp, 217 Broadway, N Y 7
*Avon Trading Co, 401 Broadway, N Y 13
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
*Concord Chem Co, Moorestown, N J
T G Cooper & Co, 2400 E Venango St, Phila 34, Pa
*Cornelius Products Co, 386 4 Ave, N Y 16
Wm Diehl & Co, 330 W 42 St, N Y
Distributing & Trading Co, 444 Madison Ave, N Y 22
Dura Chem Co, 20 Vesey St, N Y 7
Gen Wax Refg Co, 386 4 Ave, N Y
*Glyco Products Co, 26 Court St, Bklyn 2, N Y
*Innis, Speiden & Co, 117 Liberty St, N Y 6
International Wax Refining Corp, E Hawthorne Ave & LIRR, Valley Stream, N Y
George H Lincks, 312 Bridge St, Bklyn, N Y
*Mamaroneck Chem Corp, 442 Waverly Ave, Mamaroneck, N Y
Plastichemicals Co, 1 Beekman St, N Y 38
Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J
*Smith & Nichols, 121 Maiden Lane, N Y 38
Wm B Tabler Co, 1612 Heyburn Bldg, Louisville, Ky

WAXES, SYNTHETIC

*American Resinous Chem Corp, 103 Foster St, Peabody Mass
M Argueso & Co, 106 Wall St, N Y 5
*Avon Trading Co, 401 Broadway, N Y 13
Barclay Chem Co, 75 Varick St, N Y
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Concord Chem Co, Moorestown, N J
T G Cooper & Co, 2400 E Venango St, Phila 34, Pa
*Cornelius Products Co, 386 4 Ave, N Y 16
*Delft Co, 20 E Jackson Blvd, Chicago 4, Ill
Wm Diehl & Co, 330 W 42 St, N Y
Distributing & Trading Co, 444 Madison Ave, N Y 22
Dura Chem Co, 20 Vesey St, N Y 7
Gen Wax Refg Co, 386 4 Ave, N Y
*Glyco Products Co, 26 Court St, Bklyn 2, N Y

WAXES, SYNTHETIC, continued

*Heyden Chem Corp, 290-300 River Dr, Garfield, N J
Industrial Raw Materials Corp, 575 Madison Ave, N Y 22
*Innis, Speiden & Co, 117 Liberty St, N Y 6
*International Wax Refining Corp, E Hawthorne Ave, & LIRR, Valley Stream, N Y
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
George H Lincks, 312 Bridge St, Bklyn, N Y
*Mamaroneck Chem Corp, 442 Waverly Ave, Mamaroneck, N Y
*Mitchell Rand Mfg Co, 51 Murray St, N Y 7
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Plastichemicals Co, 1 Beekman St, N Y 38
Alfred F Stumpf Co, 140 Maiden Lane, N Y 7
*Warwick Chem Co Div, Wood River Junction, R I

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*Cornelius Products Co, 386 4 Ave, N Y 16
Dura Chem Co, 20 Vesey St, N Y 7
*International Wax Refining Corp, E Hawthorne Ave & LIRR, Valley Stream, N Y
*Kem Labs, 101 E 144 St, Bronx 51, N Y
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J

WAXES, TEXTILE

M Argueso & Co, 106 Wall St, N Y 5
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
*Concord Chem Co, Moorestown, N J
*Cornelius Products Co, 386 4 Ave, N Y 16
Gen Wax Refg Co, 386 4 Ave, N Y
*Innis, Speiden & Co, 117 Liberty St, N Y 6
*Joy Chem Co, 133 Webster St, Pawtucket, R I
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*National Wax Co, 1300 W Div St, Chicago 22, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Roger A Reed, 25 Ship Ave, Bedford 55, Mass
*Frank B Ross Co, 6-10 Ash St, Jersey City 4, N J

WAXES, VEGETABLE

General term denoting natural waxes of vegetable origin: See Wax, Carnauba; Wax, Candelila; Wax, Japan; Wax, Bayberry. Other waxes in this group include—Fibre Wax, Cotton Wax, Flax Wax, Sugar Cane Wax, Tea Wax, Rose Wax, etc. Vegetable waxes are very complex chemically and therefore difficult to define their properties. In the group are usually the hardest waxes. Carnauba is extremely hard, insol. in water, but can be obtained in an aqueous state by boiling with alkalies and emulsifying agents. Widely used in polishes of many various types. Candelilla is very hard but somewhat brittle. Japan more closely resembles the animal tallows in composition and finds wide usage in laundry finishing, leather dressing, etc. Bayberry closely resembles Japan in its composition.

*Abeles-Wilson Chem Corp, 307 5 Ave, N Y 16
M Argueso & Co, 106 Wall St, N Y 5
*Avon Trading Co, 401 Broadway, N Y 13
*Boler Petroleum Co, 121 S Broad St, Phila 7, Pa
*Concord Chem Co, Moorestown, N J
T G Cooper & Co, 2400 E Venango St, Phila 34, Pa
*Cornelius Products Co, 386 4 Ave, N Y 16
Wm Diehl & Co, 330 W 42 St, N Y
Distributing & Trading Co, 444 Madison Ave, N Y 22
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Dura Chem Co, 20 Vesey St, N Y 7
Gen Wax Refg Co, 386 4 Ave, N Y
W R Grace & Co, 7 Hanover Sq, N Y 5
*Innis, Speiden & Co, 117 Liberty St, N Y 6
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
*Mamaroneck Chem Corp, 442 Waverly Ave, Mamaroneck, N Y
Frank B Ross, 6-10 Ash St, Jersey City 4, N J
*Smith & Nichols, 121 Maiden Lane, N Y 38
Alfred F Stumpf Co, 140 Maiden Lane, N Y 7
Hans Tobeason, 33 Rector St, N Y 6
*Warwick Chem Co Div, Wood River Junction, R I

WEED KILLERS

*American Chem Paint Co, Ambler, Pa
Bartlett Chem, 1460 Peters St, New Orleans 13, La
*Cardox Corp, 307 N Mich Ave, Chicago 1, Ill
*Chapman Chem Co, 707 Dermon Bldg, Memphis, Tenn
*Chem Insecticide Corp, 57 13 St, Bklyn 15, N Y
Cole Labs, 42-25 9 St, L I C 1, N Y
*Delft Co, 20 E Jackson Blvd, Chicago 4, Ill
*Dow Chem Co, Midland, Mich
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Duso Chem Co, Fulton St, Poughkeepsie, N Y
Fresno Agric Chem Co, P O Box 1286, Fresno, Cal
*Heckathorn & Co, 641 S 4 St, Richmond 3, Cal
B J Howard Co, Whitaker Bldg, Baltimore 2, Md
Innis, Speiden & Co, 117 Liberty St, N Y 6
McKesson & Robbins, 155 E 44 St, N Y 17

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WEED KILLERS, continued

Merchants Chem Co, 60 E 42 St, N Y 17
*Miller Products Co, Ft of S W Caruthers St, Portland 1, Ore
*Pan American Refining Corp, 122 E 42 St, N Y 17
*Pennsylvania Industrial Chem Corp, 120 State St, Clairton, Pa
*Pennsylvania Salt Mfg Co, 1000 Widener Bldg, Phila 7, Pa
*Pittsburgh Coke & Chem Co, 1905 Grant Bldg, Pittsburgh 30, Pa
Pittsburgh Plate Glass Co, Corona Chem Div, 235 E Pittsburgh Ave, Milwaukee, Wis
*John Powell & Co, 1 Park Ave, N Y 16
*Riverdale Chem Co, 324 E 147 St, Harvey, Ill
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
Sessions-Gifford Co, 255 Allens Ave, Providence, R I
*Stauffer Chem Co, 420 Lexington Ave, N Y 17
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill
*Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Utility Chem Co, 145 Peel St, Paterson 4, N J

WEIGHTERS (Textile)

*Arabol Mfg Co, 110 E 42 St, N Y 17
*Atlantic Chem Co, 2072 Smith St, Centredale, R I
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 16
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*Tex-Chem Co, 20-21 Wagaraw Rd, Fairlawn, N J
*Ultra Chem Works, 2 Wood St, Paterson 4, N J
*Warwick Chem Co Div, Wood River Junction, R I
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

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S L Abbot Co, 135 King St, San Francisco, Cal
*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Alconox Inc, 61-63 Cornelison Ave, Jersey City 4, NJ
*Alrose Chem Co, 180 Mill St, Cranston 5, R I
*Amalgamated Chem Corp, Rorer & Ontario Sts, Phila 34, Pa
*American Cyanamid Co, Industrial Chem Div, 30 Rockefeller Plaza, N Y 20
Antara Products Div, 435 Hudson St, N Y 14
*Arnold, Hoffman & Co, 2072 Smith St, Centredale, R I
*Atlantic Chem Co, 2072 Smith St, Centredale, R I
*Atlantic Refining Co, 260 S Broad St, Phila, Pa
Bridge Chem Co, 2525 W Madison St, Chicago, Ill
*Burkart-Schier Chem Co, Chestnut St at 13, Chattanooga 2, Tenn
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
*Carlstadt Chem Co, Carlstadt, N J
Central O B Products Co, 1230 Genesee St, Buffalo, N Y
*Ciba Co, 627 Greenwich St, N Y 14
Cole Labs, 42-25 9 St, L I C 1, N Y
*Colgate-Palmolive-Peet Co, 105 Hudson St, Jersey City 2, N J
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9,
*Fresno Agric Chem Co, P O Box 1286, Fresno, Cal
*Glyco Products Co, Court St, Bklyn 2, N Y
*Griffin Chem Co, 1000 16 St, San Francisco 7, Cal
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Hercules Powder Co, 9 & Market Sts, Wilmington, Del
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
*Kearny Mfg Co, Box 61, Kearny, N J
*Kessler Chem Co, State Rd & Cottman Ave, Phila 35, Pa
Lanatex Chem Co, 49 Westminster St, Providence, R I
*B L Lemke & Co, 189 Main St, Lodi, N J
*London Chem Co, 325 W 32 St, Chicago, Ill
*Maher Color & Chem Co, 355 W Ontario St, Chicago 10, Ill
*Marlyn Chem Co, 156 & Forsythe, Calumet City, Ill
*Maywood Chem Works, Maywood, N J
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
M Michel & Co, 90 Broad St, N Y 4
*Miranol Chem Co, 16 Melville Pl, Irvington 11, N J
Nash Chem Co, Box 596, Belle Glade, Fla
*Newport Industries, 230 Park Ave, N Y 17
*Ninol Labs, 1719 S Clinton St, Chicago 16, Ill
*Nopco Chem Co, Logan & Davis Sts, Harrison, N J
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Onyx Oil & Chem Co, 190 Warren St, Jersey City 2, N J
*Oronite Chem Co, 38 Sansome St, San Francisco 4, Cal
*Perkins Soap Co, 210 Albany St, Springfield, Mass
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*Sandoz Chem Works, 61 Van Dam St, N Y 13
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
*F M Speekman Co, 141 Quint St, San Francisco 24, Cal
*Synthron Inc, Ashton, R I
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*Thompson Horticultural Chem Corp, 2600 Commerce St, Los Angeles 27, Cal
*Titan Chem Products, Mill Rd & Wayne St, Jersey City, N J
*Utility Chem Co, 145 Peel St, Paterson 4, N J
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill
Virginia-Carolina Chem Corp, 401 E Main St, Richmond 5, Va
Wallerstein Co, 180 Madison Ave, N Y 16
*Warwick Chem Co Div, Wood River Junction, R I
Welch, Holme & Clark Co, 43rd West St, N Y 14
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

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R E Carroll, 231 Broad St Bank Bldg, Trenton 1, N J
*Commercial Minerals Co, 310 Irwin St, San Francisco 7, Cal
Harry H Davidson, 17 State St, N Y 4
Stanley Doggett, 75 Varick St, N Y 13
Downer, Hunnewell & Co, 131 State St, Boston 9, Mass
Eaton & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Fay-Cole & Co, 71 India St, Boston, Mass
Wm S Gray & Co, 342 Madison Ave, N Y 17
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Hammill & Gillespie, 225 Broadway, N Y 7
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Edwin R Howell, 3478 Bewick Ave, Detroit, Mich
R B Huber, 126 Tremont St, Boston 16, Mass
Interocean Chem & Minerals Corp, 120 Broadway, N Y 5
Jensen & McClelland, 510 N Dearborn St, Chicago 10, Ill
*Kennedy Minerals Co, 2550 E Olympic Blvd, Los Angeles 23, Cal
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Landen Putty Works, 45 Irving St, Malden, Mass
Landers-Segal Color Co, 78 Delevan St, Bklyn 31, N Y
Philipp Bros Chem, 37 Wall St, N Y
H N Richards Co, 1475 Prospect St, Trenton 8, N J
*Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Smith Lime Flour Co, 535 Livingston St, Elizabeth 1, N J
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa
G A Wharry & Co, 95 Broad St, N Y
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
Witco Chem Co, 295 Madison Ave, N Y 17

WINE LEES see Argols

WINTERGREEN see Methyl Salicylate

WOLFRAM see Tungsten (Metal)

WOLFRAMATE see Lead Tungstate

WOOD BLEACHES

American Firstoline Corp, 420 Lexington Ave, N Y
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*L R Van Allen Co, P O Box 3610, Merchandise Mart Sta, Chicago 54, Ill
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

WOOD CHARCOAL see Charcoal

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WOOD FLOUR, continued
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WOOD NAPHTHA see Methanol

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WOOD VINEGAR see Acid, Pyroligneous

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XANTHINE (2:6-Dioxypurine)

$C_5H_4N_4O_2$. M.W. 152.11. Light yellow. Very sl. sol. water; insol. alcohol, ether; very sol. alkalies, ammonia, strong hot HCl. Uses—pharmacology, medicinal, nutrition, plant physiology.

XANTHINE, continued
*Bios Labs, 17 W 60 St, N Y 23
*Dougherty Chem, 86-28 131 St, Richmond Hill 18, N Y
Lack Chem Co, 19 Park Pl, N Y 7
*Mearl Corp, 153 Waverly Pl, N Y 14
*Schwarz Labs, 202 E 44 St, N Y 17

XANTHONE (Benzophenone Oxide)

$CO:(C_6H_4)_2O$. M.W. 196.19. White crystalline solid. M.P. 174°C.; sublimes readily at its melting point. B.P. 355°C. Insol. in water; sl. sol. in cold ethyl alcohol and acetone; very sl. sol. in other common organic solvents in the cold; quite readily sol. in hot ethers and ether esters. It is a highly effective larvacide, particularly in the control of codling moth and fruit moth larvae. Other uses are as an intermediate in organic synthetics in dyestuffs, perfumes, pharmaceuticals, etc.

*Bios Labs, 17 W 60 St, N Y 23

XANTHORRHEA RESIN see Gum, Accroides

XYLENE see Xylol

o-XYLENE (1,2, Dimethyl-benzene)

$C_6H_4(CH_3)_2$. M.W. 106.16. Colorless liq. Sp. gr. .881. B.R. 144.0 to 144.6°C. Uses—synthesis of Riboflavin and Phthalic Anhydride.

o-XYLENE, continued
Benzol Distributors, Georges Rd & Penn RR, Dayton, N J
*California Spray-Chem Corp, Lucas & Ortho Way, Richmond, Cal
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Nitrogen Products, 450 7 Ave, N Y 1
*Oronite Chem Co, 38 Sansome St, San Francisco, Cal
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla

XYLENOLS (Dimethylphenols)

$C_8H_{10}O$. M.W. 122.1. Coal-tar acids; low-boiling, high-boiling. Colorless, crystalline powd. Sol. water, alcohol, varying extents.

*Barrett Div, 40 Rector St, N Y 6
Bendix Chem Corp, 420 Lexington Ave, N Y
*Calco Chem Div, Bound Brook, N J
Chematar Inc, Exchange Pl, N Y 5
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
*Productol Co, 417 S Hill St, Los Angeles 13, Cal
Reinhart Chem Corp, 405 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38

m-XYLIDINE

$C_8H_{11}N$. Crystalline powd. Sl. sol. water; sol. alcohol, ether. Uses—mfr. monoazo dyes, other intermediates.

Antara Products Div, 435 Hudson St, N Y 14
Fallek Products Co, 163 Broadway, N Y 6
National Aniline Div, 40 Rector St, N Y 6

XYLIDINES (Mixed) (Aminodimethylbenzene, Aminoxylene, Methyltoluidines, Diethylanilines)

$C_6H_3(CH_3)_2NH_2$. Various mixtures of ortho, meta, and para. Sp. gr. 0.981, 0.984, 0.9184, 0.980. B.P. 215°C. Sol. alcohol, ether, benzene. Uses—mfr. dyestuffs, intermediates, organic chemicals, p-Toluene sulfondiamine, azo colors, developed colors, pharmaceutical chemicals. Grades—tech.; various mixtures of ortho, meta, and para.

Antara Products Div, 435 Hudson St, N Y 14
Coaltar Chem Corp, 420 Lexington Ave, N Y 17
*Koppers Co, Koppers Bldg, Pittsburgh 19, Pa

XYLOL (Xylene, Dimethylbenzene)

$C_6H_4(CH_3)_2$. M.W. 106.08. Ortho, meta, para. Colorless, mobile liq., characteristic odor. Sp. gr. o. 0.876; m. 0.8668; p. 0.8621. M.P. o.—27.1°C; m. —53.6°C; p. 15°C. B.P. o. 144°C; m. 139°C; p. 138°C. Sol. alcohol, ether. Uses—mfr. dyestuffs, intermediates, organic chemicals, artificial musk, trinitroxylene; removal of naphthalene from illuminating gas; solvent in making rubber cements, lacquers, and varnishes; in microscopy. Grades—nitration (5° distillation range); commercial

Aceto Chem Co, 82 Beaver St, N Y 5
Afta Solvents Corp, 470 W 128 St, N Y 27
American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
W H Barber Co, 3650 S Homan Ave, Chicago 32, Ill
Barclay Chem Co, 75 Varick St, N Y
*Barrett Div, 40 Rector St, N Y 6
S H Bell Co, 1514 Oliver Bldg, Pittsburgh 22, Pa
Benzol Distributors, Georges Rd & Penn RR, Dayton, N J
Bergstrom Trading Co, 233 Broadway, N Y
*Bethlehem Steel Co, 701 E 3 St, Bethlehem, Pa
F M Browning Co, 150 Broadway, N Y 38
C P Chem Solvents, 60 Park Pl, Newark 2, N J
*Calco Chem Div, Bound Brook, N J
Central Solvents & Chem Co, 2545 W Congress St, Chicago 12, Ill
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
Cole Labs, 42-45 9 St, L I C 1, N Y
*Colorado Fuel & Iron Corp, Continental Oil Bldg, Denver, Col
DeMert & Dougherty, 3001 W 47 St, Chicago 32, Ill
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*Donnar-Hanna Coke Corp, Box A, 11 Park Sta, Buffalo 20, N Y
Wm S Gray & Co, 342 Madison Ave, N Y 17
Howe & French, Mfg Dept, E Weymouth, Mass
Interlake Iron Corp, 1900 Union Commerce Bldg, Cleveland 14, Ohio
J & L Steel Barrel Co, 311 Rose St, Pittsburgh 30, Pa
Jones & Loughlin Steel Co, 3 Ave & Roff St, Pittsburgh 3, Pa
*Lewis Co, 232 Canal St, N Y 13
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Milwaukee Solvay Coke Co, 311 E Greenfield Ave, Milwaukee, Wis
Missouri Solvents & Chem Co, 419 De Soto Ave, St Louis 7, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
*Neville & Co, 190 Neville Is, Pittsburgh 25, Pa
Nitrogen Products, 450 7 Ave, N Y 1
*Oronite Chem Co, 38 Sansome St, San Francisco 4, Cal

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Philipp Bros Chem, 37 Wall St, N Y
*Phillips Petroleum Co, Market Development Div, Bartlesville, Okla
Phillips & Martin Co, 5524 N Wolcott Ave, Chicago, Ill
Republic Chem Corp, 94 Beekman St, N Y 38
George Senn, 2200 E Westmoreland St, Phila 34, Pa
J W Stark Co, 804 New Center Bldg, Detroit 2, Mich
Stoney-Mueller, Page & Newark Ave, Lyndhurst, N J
*Tennessee Products & Chem Corp, First American National Bank Bldg, Nashville, Tenn
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
*U S Steel Corp, Coal Chem Sales Div, 525 Wm Penn Pl, Pittsburgh 30, Pa
*Wheeling Steel Corp, Wheeling, W Va

YARA YARA (b-Naphthyl Methyl Ether)

$C_{10}H_7.O.CH_3$. M.W. 158.1. White crystals with an orange-blossom odor. Uses—as a perfume fixative in perfumery.

*American-British Chem Supplies, 180 Madison Ave, N Y
Dodge & Olcott, 180 Varick St, N Y 14
Florasynth Labs, 1513 Olmstead Ave, N Y 61
*Givaudan-Delawanna, 330 W 42 St, N Y 18
*Kay-Fries Chem, 180 Madison Ave, N Y 16
Geo Lueders & Co, 427 Washington St, N Y 13
Naph-Sol Refining Co, 2560 W 3 St, Cleveland, Ohio
*Verona Chem Co, 26 Verona Ave, Newark, N J

YEAST

*Standard Brands, Inc, 595 Madison Ave, N Y 22

YELLOW OXIDE see Iron Oxide, Yellow

YELLOW PRECIPITATE see Mercuric Oxide, Yellow

YELLOW PRUSSIATE OF POTASH see Potassium Ferrocyanide

YELLOW PRUSSIATE OF SODA see Sodium Ferrocyanide

YELLOW RESIN see Rosin, Gum

YOHIMBINE HYDROCHLORIDE

*Bios Labs, 17 W 60 St, N Y 23
*Gane & Ingram, 43 W 16 St, N Y 11
Inland Alkaloid Co, Tipton, Ind
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*N Y Quinine & Chem Works, 99 N 11 St, Bkyn 11, N Y
*Sherwin-Williams Co, 100 Park Ave, N Y 17

ZEIN

Barclay Chem Co, 75 Varick St, N Y
*Bios Labs, 17 W 60 St, N Y 23
*Corn Products Refg Co, 17 Battery Pl, N Y 4

ZEOLITES

*Chem Process Co, 901 Spring St, Redwood City, Cal
*Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
*Elgin Softener Corp, Elgin, Ill
National Aluminate Corp, 6216 W 66 Pl, Chicago 38, Ill

ZINC—see also Zinc Dust

White, gray or bluish-gray powd. or metal. At. Wt. 65.38. Sp. gr. 7.142. M.P. 419°C. B.P. 907°C. Sol. alkalies, and acids. Uses—mfr. zinc salts, zinc oxide, intermediates, organic chemicals, dyestuffs, pharmaceuticals, electrical apparatus, alloys with copper, tin, etc.; in roofing, various cast, molded, and pressed articles; sherardizing process. Grades—as to purity; slabs; mossy; granulated.

American Firstoline Corp, 420 Lexington Ave, N Y
*American Smelting & Refining Co, 120 Broadway, N Y 5
*American Zinc Sales Co, 1600 Paul Brown Bldg, St Louis 1, Mo
Dyechem Products Corp, 60 Broad St, N Y 4
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*National Zinc Co, P O Box 579, Bartlesville, Okla
*New Jersey Zinc Co, 160 Front St, N Y 38
Northwest Lead Co, 2700 16 Ave S W, Seattle, Wash
*Pacific Smelting Co, P O Box 85, Torrance, Cal

ZINC ACETATE

$Zn(C_2H_3O_2)_2+2H_2O$. White, crystalline plates. Sp. gr. 1.72. M.P. 235-257°C. Sol. water, alcohol. Uses—mfr. zinc salts, zinc chromate; mordant in dyeing and printing textiles; preservation wood; resist in dyeing textiles; laboratory reagent; in medicine. Grades—tech.; U.S.P.; C.P.

*J T Baker Chem Co, Phillipsburg, N J
*Carbide & Carbon Chem Co, 30 E 42 St, N Y 17
Faesy & Besthoff, 325 Spring St, N Y 13
Charles Gitlan & Co, 25 Beaver St, N Y 4
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Prior Chem Corp, 420 Lexington Ave, N Y 17

ZINC AMMONIUM CHLORIDE

$ZnCl_2.3NH_4Cl$. White, deliq. cryst. Sp. gr. 1.72-1.77 (10°C). Uses—mfr. soldering fluid, electric batteries; flux in soldering metals, welding metals; galvanizing baths. Grades—tech.

S L Abbot Co, 135 King St, San Francisco, Cal
American Firstoline Corp, 420 Lexington Ave, N Y
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
*Naphthalene Products Co, P O Box 6328, Tarrant, Ala
Philipp Bros Chem, 37 Wall St, N Y
George F Smith, 60 E 42 St, N Y 17

ZINC BARYTA WHITE see Lithopone

ZINC BROMIDE

$ZnBr_2$. M.W. 225.2. White, deliq., granular powd. Very sol. in water and alcohol. Uses—mfr. and finishing of rayon. Grades—better than 97.0% $ZnBr_2$.

*J T Baker Chem Co, Phillipsburg, N J
*Dow Chem Co, Midland, Mich
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Matheson Co, Paragon Div, E Rutherford, N J
*Mich Chem Corp, 500 N Bankson St, St Louis, Mich

ZINC CARBONATE (Zinc Subcarbonate, Tutia)

American-British Chem Supplies, 180 Madison Ave, N Y
*American Firstoline Corp, 420 Lexington Ave, N Y
*American Zinc Sales Co, 1600 Paul Brown Bldg, St Louis 1, Mo
W R E Andrews Sales, 1505 Race St, Phila, Pa
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Florida Agricultural Supply Co, 1611 Talleyrand Ave, Jacksonville, Fla
Hummel Chem Co, 90 West St, N Y 6
Kingston Chem Co, 15 William St, N Y 5
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

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ZINC CARBONATE, continued

Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Virginia Smelting Co, W Norfolk Va
Witco Chem Co, 295 Madison Ave, N Y 17

ZINC CHLORIDE (Butter of Zinc)

Adams-Henry Chem Co, 32 Broadway, N Y 4
American Firstoline Corp, 420 Lexington Ave, N Y
*Anderson Trading Corp, 66 Beaver St, N Y 44
*J T Baker Chem Co, Phillipsburg, N
Barclay Chem Co, 75 Varick St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Dyechem Products Corp, 60 Broad St, N Y 4
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Facey & Besthoff, 325 Spring St, N Y 13
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Hummel Chem Co, 90 West St, N Y 6
*Philip A Hunt Co, Palisades Park, N J
Innis, Speiden & Co, 117 Liberty St, N Y 6
E & F King & Co, 640 Pleasant St, Norwood, Mass
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
National Oil & Supply Co, 173 Frelinghuysen Ave, Newark 5, N J
Philipp Bros Chem, 37 Wall St, N Y
*Kanoil Chem Corp, 2050 88 St, N Bergen, N J
Republic Chem Corp, 94 Beekman St, N Y 38
Riches-Nelson, 342 Madison Ave, N Y 17
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Siegel Chem Co, 1 Hanson Pl, Bklyn 17, N Y
George P Smith, 60 E 42 St, N Y 17

ZINC CHROMATE (Zinc Yellow, Zinc Chrome, Citron Yellow, Buttercup Yellow)

American Firstoline Corp, 420 Lexington Ave, N Y
*J T Baker Chem Co, Phillipsburg, N J
*E I Du Pont de Nemours & Co, Pigments Dept, Wilmington 98, Del
Filo Color & Chem Corp, 202 E 44 St, N Y
R B Huber, 126 Tremont St, Boston 16, Mass
*Imperial Paper & Color Corp, Box 231, Glens Falls, N Y
*Ky Color & Chem Co, 600 N 34 St, Louisville, Ky
*Mineral Pigments Corp, Muirkirk, Md
*Reichhold Chem, 601-707 Woodward Heights Blvd, Detroit 20, Mich
*Sherwin-Williams Co, 100 Park Ave, N Y 17
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
*Western Dry Color Co, 600 W 52 St, Chicago 9, Ill

ZINC CHROME see Zinc Chromate

ZINC CYANIDE

American Firstoline Corp, 420 Lexington Ave, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
Conn Metalcraft, 442 Elm St, New Haven 2, Conn
*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Ecclestone Chem Co, 2669-79 Guoin St, Detroit 7, Mich
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
Hummel Chem Co, 90 West St, N Y 6
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
*Lewis Co, 232 Canal St, N Y 13
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
A T Wagner Co, 2720 Wight St, Detroit 7, Mich

ZINC DIBUTYL DITHIOCARBAMATE

$Zn[SC(S)N(C_4H_9)_2]_2$. M.W. 474.12. Color, white. M.R. 104-108°C. Uses—primary accelerator; in latex compounding.

*Sharples Chem, 123 S Broad St, Phila 9, Pa

ZINC DIETHYL DITHIOCARBAMATE

$Zn[SC(S)N(C_2H_5)_2]_2$. M.W. 361.90. Color, white. M.R. 172-176°C. Uses—vulcanizing agent; primary or secondary accelerator.

*E I Du Pont de Nemours & Co, Organic Chem Dept, Rubber Chem Div, Wilmington 98, Del
*Sharples Chem, 123 S Broad St, Phila 9, Pa

ZINC DIMETHYL DITHIOCARBAMATE

$Zn[SC(S)N(CH_3)_2]_2$. M.W. 305.79. Color, white. M.R. 248-250°C. Uses—primary or secondary accelerator.

*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Florida Agricultural Supply Co, 1611 Talleyrand Ave, Jacksonville, Fla
*Sharples Chem, 123 S Broad St, Phila 9, Pa

ZINC DUST—see also Zinc Metal

Zn. Solid, white crystalline. Sp. gr. 7.142. M.P. 419°C. B.P. 907°C. Sol. acids, alkalies. Uses—mfr. lithopone; reducing agent in making intermediates, organic chemicals, dyestuffs, aniline, nitrobenzene, and in dyeing and printing textiles; galvanizing metals; extraction of gold from ores; laboratory reagent; purifying fats and oils. Grades—tech. (93-95% Zn).

American-British Chem Supplies, 180 Madison Ave, N Y
American Firstoline Corp, 420 Lexington Ave, N Y
J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Industrial Sales Corp, 500 5 Ave, N Y 18
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*National Zinc Co, P O Box 579, Bartlesville, Okla
Philipp Bros Chem, 37 Wall St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
*Superior Zinc Co, 121 N Broad St, Phila 7, Pa

ZINC 2-ETHYLHEXOATE (Zinc Octoate)

$Zn[CH_3(CH_2)_3CH(C_2H_5)CO_2]_2$. M.W. 351.78. Nearly colorless amorp. solid. Uses—liq. solutions used in paints and varnishes as a drier auxiliary.

*Argus Chem Lab, 56 Clifton Pl, Bklyn 5, N Y
Mathe Chem Co, 169 Milbank St, Lodi, N J
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Witco Chem Co, 295 Madison Ave, N Y 17

ZINC FLUOBORATE

$Zn(BF_4)_2$. M.W. 239.00. 48% solution colorless liq. Uses—in zinc plating bath; in bonderizing of aluminum; in electrolysis plating bath.

*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6

ZINC FLUORIDE

American Firstoline Corp, 420 Lexington Ave, N Y
*Baker & Adamson Products, 40 Rector St, N Y
*City Chem Corp, 132 W 22 St, N Y 11
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Henry Sundheimer Co, 103 Park Ave, N Y 17

ZINC FORMATE

$Zn(OOCH)_2 \cdot 2H_2O$. M.W. 191.4. Colorless crystals. Sol. cold water, decomp. in hot water. Uses—catalyst in mfr. of methyl alcohol; addition agent to dye-baths and silk-weighting compositions.

*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6

ZINC HYDROSULFITE

ZnS_2O_4. M.W. 193.4. White, amorp. solid. Sol. in water. Uses—as textile stripper; brightening or bleaching of ground wood pulp. Grades—tech.

American Firstoline Corp, 420 Lexington Ave, N Y
Philipp Bros Chem, 37 Wall St, N Y
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Virginia Smelting Co, W Norfolk, Va

ZINC LINOLEATE

$C_{17}H_{31}COOZn$. Uses—in driers.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
*Mathe Chem Co, 169 Milbank St, Lodi, N J
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill

ZINC, MOSSY

Form of zinc used to strip photographic solutions; mfr. soot cleaners, coloring face brick, making photographic chemicals.

*Hegeler Zinc Co, Danville, Ill
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

*Company classifies itself as manufacturer or producer of this product



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*Cuprinol Div, Simsbury, Conn
R B Huber, 126 Tremont St, Boston 16, Mass
Mathe Chem Co, 169 Milbank St, Lodi, N J
*Nuodex Products Co, 830 Magnolia Ave, Elizabeth, N J
*Oronite Chem Co, 38 Sansome St, San Francisco 4, Cal
Chas Page & Co, 50 E 42 St, N Y 17
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
Witco Chem Co, 295 Madison Ave, N Y 17

ZINC NITRATE

$Zn(NO_3)_2.6H_2O$. Colorless cryst. or white pieces. Sp. gr. 2.065 (13°C). M.P. 36.4°C. B.P. 131°C. Loses water at 105°C. Sol. water, alcohol. Uses—chemical reagent in making intermediates, organic chemicals; in medicine. Grades—tech.; C.P.

*J T Baker Chem Co, Phillipsburg, N J
*Baker & Adamson Products, 40 Rector St, N Y
*Gen Chem Div, Allied Chem & Dye Corp, 40 Rector St, N Y 6
Hummel Chem Co, 90 West St, N Y 6
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Randall Chem Corp, 2050-88 St, N Bergen, N J

ZINC OLEATE

$Zn(C_{18}H_{33}O_2)_2$. M.W. 625.89. White, greasy, gran. powd. Insol. water; sol. alcohol, ether, benzene. Uses—as a varnish drier; in medicinals.

*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill

ZINC OXIDE (Nil Alba, Flowers of Zinc, Zinc White, Chinese White)

ZnO. M.W. 81.38. White, or yellowish-white, amorp. powd. Sp. gr. 5.47. Sol. acids. Uses—mfr. zinc salts, paints, varnishes, enamels, lead-zinc and other zinc pigments, ceramic enamels and glazes, cements, candles, white glue, gelatin, glass, matches, printing inks, cosmetics, toilet articles, dental cements, ointments, salves, celluloid, soap; body color in printing; pigment for rubber, linoleum, oilcloth; in medicine. Grades—U.S.P.; C.P.; French process; American process; leaded (varying percentages of lead sulfate); Green seal; Red seal; White seal, etc.

American-British Chem Supplies, 180 Madison Ave, N Y
*American Firstoline Corp, 420 Lexington Ave, N Y
*American Zinc Sales Co, 1600 Paul Brown Bldg, St Louis 1, Mo
Associated Lead & Zinc Co, 2800 16 Ave S W, Seattle, Wash
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Chematar Inc, Exchange Pl, N Y 5
Chem Service Corp, 82 Beaver St, N Y 5
John A Chew, 60 E 42 St, N Y 17
Continental Commodities Corp, 230 Park Ave, N Y 17
Duff Chem Co, 342 Madison Ave, N Y 17
Dura Chem Co, 20 Vesey St, N Y 7
Dyechem Products Corp, 60 Broad St, N Y 4
Eastern Color & Chem Co, 145 Nassau St, N Y 7
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Fallek Products Co, 163 Broadway, N Y 6
Filo Color & Chem Corp, 202 E 44 St, N Y
Gallard Schlesinger Chem Co, 92 Liberty St, N Y
Charles Gitlan & Co, 25 Beaver St, N Y 4
Golwynne Chem Corp, 420 Lexington Ave, N Y 17
C P Hall Co, 2510 First National Tower Bldg, Akron, Ohio
Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
Hawkhurst & Co, Mills Tower, 220 Bush St, San Francisco 4, Cal
Hummel Chem Co, 90 West St, N Y 6
Jensen & McClelland, 510 N Dearborn St, Chicago 10, Ill

ZINC OXIDE, continued

Kingston Chem Co, 15 William St, N Y 5
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
*Lewis Co, 232 Canal St, N Y 13
Mackim Products Co, 1775 Broadway, N Y 19
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Martin, Hoyt & Milne, 615-625 Merchants Exchange Bldg, San Francisco 4, Cal
*Merck & Co, 100 Lincoln Ave, Rahway, N J
*Monsanto Chem Co, Organic Chem Div, 1700 S 2 St, St Louis 4, Mo
Mutchler Chem Co, 258 Broadway, N Y 7
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y
Philipp Bros Chem, 37 Wall St, N Y
Prime Products Corp, 62 William St, N Y 5
Republic Chem Corp, 94 Beekman St, N Y 38
*Rohm & Haas Co, Washington Sq, Phila 5, Pa
*Royce Chem Co, Carlton Ave, Carlton Hill, N J
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Superior Zinc Co, 121 N Broad St, Phila 7, Pa
George Uhe Co, 76 9 Ave, N Y 14
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
Witco Chem Co, 295 Madison Ave, N Y 17

ZINC PALMITATE

$Zn(C_{16}H_{31}O_2)_2$. Fine white amorp. powd. somewhat coarser and less bulky than zinc stearate. M.P. 100°C. Insol. water, alcohol; partly sol. toluol. Uses—for flatting special lacquers; in rubber compounding. Grades—tech.

Harwick Standard Chem Co, 60 S Seiberling St, Akron, Ohio
*Leffingwell Chem Co, P O Box 191, Whittier, Cal
*Mathe Chem Co, 169 Milbank St, Lodi, N J
*M W Parsons-Plymouth, 59 Beekman St, N Y 38
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*Witco Chem Co, 295 Madison Ave, N Y 17

ZINC PERCHLORATE

$Zn(ClO_4)_2.6H_2O$. M.W. 264.30. Clear crystalline material. Uses—general laboratory reagent.

*Frederick G Smith Chem Co, P O Box 1611, Columbus 16, Ohio

ZINC PERMANGANATE

$Zn(MnO_4)_2.6H_2O$. M.W. 411.3. Dark brown deliq. cryst. Sol. water. Uses—as oxidizing agent; in medicine.

Prior Chem Corp, 420 Lexington Ave, N Y 17
*Carus Chem Co, Box 364, La Salle, Ill

ZINC PEROXIDE

Mixture of about 45% ZnO_2 + ZnO with some water; about 7.4% available oxygen. White to yellowish-white, odorless, bulky powd. Decomp. 150°C. Sol. acids (H_2O_2 liberated); insol. water, but gradually decomp. by it. Uses—in medicine, cosmetics, as disinfectant, astringent.

*E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo

ZINC PHENOL SULFONATE see Zinc Sulfocarbolate

ZINC 1-PHENOL-4-SULFONATE

*Dow Chem Co, Midland, Mich
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

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ZINC PHOSPHATES

Zinc Metaphosphate $Zn(PO_3)_2$. M.W. 223.3. White powd. Insol. water; slowly sol. in acids. Uses—constituent of ceramics, porcelain and special glasses.
Zinc Pyrophosphate $ZnP_2O_7 \cdot 4H_2O$. M.W. 376.7. White microcrystalline powd. Insol. water; sol. acids, alkalies, ammonium hydroxide. Uses—ceramics and porcelain compositions.

*J T Baker Chem Co, Phillipsburg, N J
*Monsanto Chem Co, Phosphate Div, 1700 S 2 St, St Louis 4, Mo
*Victor Chem Works, 141 W Jackson Blvd, Chicago 4, Ill

ZINC POWDER

Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
*Metals Disintegrating Co, P O Box 290, Elizabeth, N J

ZINC RESINATE

*J H Hinz Co, 405 Rockefeller Bldg, Cleveland 13, Ohio
*Newport Industries, 230 Park Ave, N Y 17
*Fred'k A Stresen-Reuter, 2113 W Medill Ave, Chicago 47, Ill
*Jacques Wolf & Co, 350 Lexington Ave, Clifton, N J

ZINC RICINOLEATE

$Zn(CH_3(CH_2)_5CHOHCH_2CH(CH_2)_7CO_2)_2$. M.W. 655. Fine white solid. Uses—greases; lubricants; water-proofing; additive in lubricating oils.

*Argus Chem Lab, 56 Clifton Pl, Bklyn 5, N Y
*Baker Castor Oil Co, 120 Broadway, N Y 5

ZINC SALICYLATE

$Zn(C_6H_4.OH.COO)_2 + 3H_2O$. M.W. 393.57. White, odorless needles or crystalline powd. Sol. water, alcohol. Uses—medicine.

George F Smith, 60 E 42 St, N Y 17

ZINC SILICOFLUORIDE

$ZnSiF_6.6H_2O$. M.W. 315.54. White, crystalline powd. Sp. gr. 2.104 at 20/4°C. Sol. in water.

*American Agricultural Chem Co, 50 Church St, N Y 7

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American Firstoline Corp, 420 Lexington Ave, N Y
Chloral Chem Corp, 171 Lombardy St, Bklyn 22, N Y
*Davison Chem Corp, 101 N Charles St, Baltimore 3, Md
*E I Du Pont de Nemours & Co, Organic Chem Dept, Fine Chem Div, Wilmington 98, Del
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Riches-Nelson, 342 Madison Ave, N Y 17
Henry Sundheimer Co, 103 Park Ave, N Y 17
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill

ZINC STEARATE (Soap Dust)

$Zn(C_{18}H_{35}O_2)_2$. Fine, white, soft, bulky, amorp. powd. Sol. acids; insol. water, alcohol, ether. Uses—drier in making paints, enamels, varnishes, face powd., cosmetics, fireproofing compositions, crayons, oil-cloth and linoleum, dusting agent in the rubber industry. Grades—tech.; U.S.P.

*Advance Solvents & Chem Corp, 245 5 Ave, N Y 16
American Firstoline Corp, 420 Lexington Ave, N Y
J T Baker Chem Co, Phillipsburg, N J
Berlow & Schlosser Co, 401 Industrial Trust Blvd, Providence, R I
Buffalo Solvents & Chem Corp, Box 73, Sta B, Buffalo 7, N Y
Chem Service Corp, 82 Beaver St, N Y 5
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Dura Chem Co, 20 Vesey St, N Y 7
Faesy & Besthoff, 325 Spring St, N Y 13
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, Ohio
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
R B Huber, 126 Tremont St, Boston 16, Mass
Innis, Speiden & Co, 117 Liberty St, N Y 6
Walter H Jelly & Co, 420 N Western Ave, Chicago 12, Ill
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
*Leffingwell Chem Co, P O Box 191, Whittier, Cal
Lewis Chem Co, 400 Northampton St, Boston 18, Mass
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
Manufacturers Chem Co, 527 5 Ave, N Y 17
*Mathe Chem Co, 169 Milbank St, Lodi, N J
McKesson & Robbins, 155 E 44 St, N Y 17
Merchants Chem Co, 60 E 42 St, N Y 17
Mutchler Chem Co, 258 Broadway, N Y 7
*M W Parsons-Plymouth, 59 Beekman St, N Y 38
Philipp Bros Chem, 37 Wall St, N Y
Walter A Reinicke, 549 W Washington Blvd, Chicago 6, Ill
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
Schmitz-Schoenewaldt-Turner Co, 20 Vesey St, N Y 7
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Thompson-Hayward Chem Co, 2915 Southwest Blvd, Kansas City 8, Mo
Jos Turner & Co, Ridgefield, N J
*Warwick Chem Co Div, Wood River Junction, R I
Whittaker, Clark & Daniels, 260 W Broadway, N Y 13
*Witco Chem Co, 295 Madison Ave, N Y 17

ZINC SUBCARBONATE see Zinc Carbonate

ZINC SULFATE (Vitriol, Salt of Vitriol, Zinc Vitriol, White Copperas)

$ZnSO_4.7H_2O$. M.W. 287.55. Colorless, efflorescent cryst. Sp. gr. 1.9661. M.P. 39°C. Sol. water. Uses—mfr. zinc salts, drying oils, varnishes, lacquers, ceramics, enamels, lithopone, zinc white; mordant in dyeing and printing textiles; fireproofing textiles; as paint pigment; clarifying glue solutions; preservative in glues, adhesives, also for wood and hides; water disinfectant; zinc plating; black nickel plating; in medicine.

Adams-Henry Chem Co, 32 Broadway, N Y 4
American Firstoline Corp, 420 Lexington Ave, N Y
W R E Andrews Sales, 1505 Race St, Phila, Pa
*J T Baker Chem Co, Phillipsburg, N J
Barclay Chem Co, 75 Varick St, N Y
Chem Service Corp, 82 Beaver St, N Y 5
Doe & Ingalls, 56 Garden St, Everett Sta, Boston 49, Mass
*E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington, Del
Eaton Chem & Dyestuff Co, 1490 Franklin St, Detroit 9, Mich
Faesy & Besthoff, 325 Spring St, N Y 13
Hawkins Chem Co, 3100 E Hennepin Ave, Minneapolis 13, Minn
Innis, Speiden & Co, 117 Liberty St, N Y 6
E & F King & Co, 640 Pleasant St, Norwood, Mass
Kingston Chem Co, 15 William St, N Y 5

*Company classifies itself as manufacturer or producer of this product

ZINC SULFATE, continued

Kraft Chem Co, 917 W 18 St, Chicago 8, Ill
*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
McKesson & Robbins, 155 E 44 St, N Y 17
Philipp Bros Chem, 37 Wall St, N Y
Prior Chem Corp, 420 Lexington Ave, N Y 17
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Sherwin-Williams Co, 100 Park Ave, N Y 17
Smith Chem & Color Co, 55 John St, Bklyn 1, N Y
Thompson-Hayward Chem Co, 121 W Pershing Rd, Chicago, Ill
Witco Chem Co, 295 Madison Ave, N Y 17

ZINC SULFATE MONOHYDRATE

$ZnSO_4 \cdot H_2O$. M.W. 179.46. White free-flowing powd. Sol. water. Uses—agricultural sprays; chemical intermediate; glue clarifying; dyestuff mfr.; electroplating; rayon mfr.

W R E Andrews Sales, 1505 Race St, Phila, Pa
Faesy & Besthoff, 325 Spring St, N Y 13
Florida Agricultural Supply Co, 1611 Talleyrand Ave, Jacksonville, Fla
*Naphthalene Products Co, P O Box 6328, Tarrant, Ala
Philipp Bros Chem, 37 Wall St, N Y
Rosenthal-Bercow Co, 25 E 26 St, N Y 10
*Sherwin-Williams Co, 100 Park Ave, N Y 17
*Tennessee Corp, 619 Grant Bldg, Atlanta, Ga
*Virginia Smelting Co, W Norfolk, Va

ZINC SULFIDE WHITE see Lithopone

ZINC SULFIDE

ZnS. Yellowish-white powd. Sp. gr. 3.98. M.P. 1049° C. Sublimes at 1180°C. Sol. acids. Uses—mfr. paints, enamels, varnishes, lacquers, luminous paints, lithopone, plastics, rubber, opaque glass, glues, adhesives, an artificial leather pigment; coloring oil-cloth and linoleum. Grades—tech.; C.P.

American-British Chem Supplies, 180 Madison Ave, N Y
*Canadian Radium & Uranium Corp, 630 5 Ave, N Y 20
C J Osborn Co, 132 Nassau St, N Y
Republic Chem Corp, 94 Beekman St, N Y 38
Rosenthal-Bercow Co, 25 E 26 St, N Y 10

ZINC SULFIDE, LUMINOUS

*Canadian Radium & Uranium Corp, 630 5 Ave, N Y 20

ZINC SULFOCARBOLATE (Zinc Phenol Sulfonate)

$[C_6H_4(OH)CO_3]_2Zn$. M.W. 411.58. Uses—in mfr. antiseptics.

*Mallinckrodt Chem, 2 & Mallinckrodt Sts, St Louis 7, Mo
*Merck & Co, 100 Lincoln Ave, Rahway, N J
N Y Quinine & Chem Works, 99 N 11 St, Bklyn 11, N Y

ZINC SULFOXYLATE FORMALDEHYDE

$Zn(HSO_2.CH_2O)_2$. M.W. 255.6. Crystalline powd. Water sol. Uses—powerful agent reduction of vat dyes for textiles; removal of certain dyes; bleaching agent for sugar, molasses, wood pulp, glue and soap; in chemical synthesis.

*Rohm & Haas Co, Washington Sq, Phila 5, Pa
Scher Bros, 519 Getty Ave, Clifton, N J
*Watson-Park Co, Ballardvale, Mass

ZINC UNDECYLENATE

$(C_{11}H_{19}O_2)_2Zn$. M.W. 431.9. White, practically odorless powd.; insol. water, alcohol. Uses—medicinal.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
Gunning & Gunning, 601 W 26 St, N Y 1
*Mathe Chem Co, 169 Milbank St, Lodi, N J
*Wallace & Tiernan Products, 11 Mill St, Belleville 9, N J

ZINC VALERATE

*Millmaster Chem Corp, 420 Lexington Ave, N Y 17

ZINC VITRIOL see Zinc Sulfate

ZINC WHITE see Zinc Oxide

ZINC YELLOW see Zinc Chromate

ZINC ZIRCONIUM SILICATE

$ZnZrSiO_4$. M.W. 264.5. White powd. M.P. 3800°F. Sol. HF; sl. sol. hot conc. sulfuric; insol. water, alkalis. Uses—imparts moderate opacity and color brilliance to low cone art ware glazes.

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Oxides, Silicates, double Silicates, and Soluble Salts in various purities for numerous uses.

* Registered Trade Mark

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$ZrSiO_4$. A natural zirconium silicate. Color—light yellow, brownish-yellow, gray, yellowish-green, reddish-brown. Contains 67.2% zirconia and 32.8% silica. Sp. gr. 4.68-4.70. Hardness 7.5.

Faesy & Besthoff, 325 Spring St, N Y 13
*Foote Mineral Co, Chelten Bldg, Phila, Pa
Mefford Chem Co, 1026 Santa Fe Ave, Los Angeles 21, Cal
*Metal Thermit Corp, 100 E 42 St, N Y 17
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Orefraction Inc, 7425 Thomas St, Pittsburgh, Pa

ZIRCON ALBA see Zirconium Oxide

ZIRCONIA see Zirconium Oxide

ZIRCONIUM (Metal)

Zr. At.Wt. 91.22. A rare earth metal, silver-white crystalline or gray amorphous. Sp. gr. 4.15 (cryst.) and 6.4 (amor.). Insol. water, acids; sol. hydrochloric acid, aqua regia and molten alkalies. Has a valency of 4 and forms two series of compounds. Uses—in steel mfr. as silicon zirconium or ferrosilicon and forms many alloys useful in wire and filament mfr.

*Electro Metallurgical Co, 30 E 42 St, N Y 17
*Foote Mineral Co, Chelten Bldg, Phila, Pa
Charles Gitlan & Co, 25 Beaver St, N Y 4
*Metal Hydrides, 16 Congress St, Beverley, Mass
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17

ZIRCONIUM ACETATE

*Millmaster Chem Corp, 420 Lexington Ave, N Y 17

ZIRCONIUM ANHYDRIDE see Zirconium Oxide

ZIRCONIUM CARBONATE (Zirconium Basic Carbonate)

$ZrOCO_3$. Amorp. white powd. Insol. water, sol. acids.

*Millmaster Chem Corp, 420 Lexington Ave, N Y 17

ZIRCONIUM HYDRIDE

*Metal Hydrides, 16 Congress St, Beverley, Mass

ZIRCONIUM NITRATE (Zirconyl Nitrate)

$ZrO(NO_3)_2$. White crystalline powd. Sol. Water, alcohol.

*Millmaster Chem Corp, 420 Lexington Ave, N Y 17

ZIRCONIUM OXIDE (Zirconium Anhydride, Zirconia, Zircon Alba, Baddeleyite, Zirkite)

ZrO_2. M.W. 123.2. A heavy white powd. M.P. 2700° C. Insol. in water and acids and sol. in hot sulfuric or hydrofluoric acid. Uses—mfr. refractories, gas mantles; in photography as a substitute for bismuth salts. As an effective opacifier of fused enamels, glass and glasses.

American Firstoline Corp, 420 Lexington Ave, N Y
City Chem Corp, 132 W 22 St, N Y 11
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
George F Smith, 60 E 42 St, N Y 17

TRADE NAMES and TRADE MARKS will be found in the "TRADE NAMES" SECTION *—in the back of this book!*

*Company classifies itself as manufacturer or producer of this product

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NATIONAL LEAD COMPANY
Office: 111 Broadway, N. Y. C. **Plant: Niagara Falls, N. Y.**

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ZIRCONIUM OXYCHLORIDE

$ZrOCl_2.8H_2O$. M.W. 322.26. White silky cryst. Sol. water, alcohol.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*City Chem Corp, 132 W 22 St, N Y 11
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17

ZIRCONIUM SALTS

Faesy & Besthoff, 325 Spring St, N Y 13
City Chem Corp, 132 W 22 St, N Y 11
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17

ZIRCONIUM SILICATE

Braun Corp, 2260 E 15 St, Los Angeles 21, Cal
*Metal Thermit Corp, 100 E 42 St, N Y 17
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Orefraction Inc, 7425 Thomas St, Pittsburgh, Pa
Charles A Wagner Co, 813 Callowhill St, Phila 23, Pa

ZIRCONIUM SULFATE

$Zr(SO_4)_2.4H_2O$. M.W. 355.30. White fine cryst. Sol. water, inorganic acids. Precipitates in alkalies. Uses —grease and oil additives, protein precipitants, catalyst supports, high temp. lubricants.

Amend Drug & Chem Co, 117-119 E 24 St, N Y
*Millmaster Chem Corp, 420 Lexington Ave, N Y 17

ZIRCONYL SULFATE SOLUTION

*Millmaster Chem Corp, 420 Lexington Ave, N Y 17
*Rohm & Haas Co, Washington Sq, Phila 5, Pa

ZIRKITE see Zirconium Oxide

MILLMASTER

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FACTS about CHEMICAL ENGINEERING

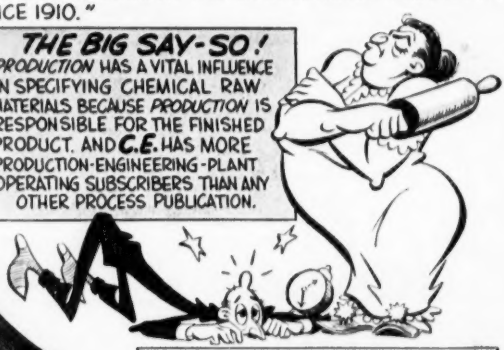
.....FOR *RAW MATERIALS* ADVERTISERS IN THE *CHEMICAL PROCESS INDUSTRIES*



R.W. HOOKER, VICE PRESIDENT IN CHARGE OF SALES, **HOOKER ELECTROCHEMICAL CO.** SAYS," THE PRODUCTION-ENGINEERING AUDIENCE WHICH **CHEMICAL ENGINEERING** PROVIDES IS OF GREAT IMPORTANCE TO US IN OUR DISTRIBUTION OF CHEMICALS FOR THE *CHEMICAL PROCESS INDUSTRIES*. THAT IS WHY **C.E.** HAS BEEN AN IMPORTANT FACTOR IN OUR ADVERTISING PROGRAM SINCE 1910."

THE BIG SAY-SO!

PRODUCTION HAS A VITAL INFLUENCE IN SPECIFYING CHEMICAL RAW MATERIALS BECAUSE *PRODUCTION* IS RESPONSIBLE FOR THE FINISHED PRODUCT. AND **C.E.** HAS MORE PRODUCTION-ENGINEERING-PLANT OPERATING SUBSCRIBERS THAN ANY OTHER PROCESS PUBLICATION.



THE BEST SOURCE OF ALL.... ON "WHO BUYS RAW MATERIALS" ARE THE MEN WHO SELL THEM. **C.E.** SURVEYED *THE SALESMEN'S ASS'N OF THE AMERICAN CHEMICAL INDUSTRY.* PRODUCTION RANKED AT THE TOP.



NO BETTER INDICATOR...

...OF THE INTEREST OF **C.E.** READER$ IN RAW MATERIALS. IN THE ADVERTISING RESEARCH FOUNDATION STUDY OF **CHEMICAL ENGINEERING** THEY RECEIVED **50%** MORE READERSHIP THAN ANY OTHER PRODUCT CATEGORY. SIX OF THE TOP 20 BEST-READ ADS WERE ON RAW MATERIALS.



ABC ABP

Chemical Engineering

A McGraw-Hill Publication

330 West 42nd. Street, New York 18, N. Y.

CHEMICAL PRICES
Section
Range of Quotations*
1939-1950

Heavy Chemicals, Organic Intermediates, Dyestuffs, Textile and Leather Chemicals, Oils, Fats and Waxes, Fertilizer Materials, Paint, Varnish, and Lacquer Materials

The range of prices is not "bid and asked" but high and low

Heavy Industrial Chemicals

	1939		1942		1947		1949		1950	
	H.	L.	H.	L.	H.	L.	H.	L.	H.	L.
Acid, acetic, glac., 99.5%	$5.50	$5.00	$6.93	$6.25	$8.12	$7.62	$8.60	$7.50	$9.00	$7.50
Chromic, 99%	.15¼	.15¼	.16½	.16½	.21¾	.20	.25½	.25½	.27	.25½
Formic, 90%	.10½	.10½	10½	.10½	.13	.12½	.14	.13½	.14½	.14
Muriatic, 18°	1.15	1.15	1.15	1.15	1.70	1.50	1.65	1.65	2.45	1.65
Nitric, 36°	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Oxalic	.10¾	.10¾	.11¾	.11¾	.13½	.13	.14½	.14¼	.16¼	.14¼
Sulphuric, 66°	16.50	16.50	16.50	16.50	16.50	15.00	17.00	17.00	19.85	17.00
Tannic, tech	.40	.40	.71	.71	.69	.69	.69	.69	-	-
Alum, ammonia, gran	3.50	3.15	4.00	4.00	4.00	4.00	3.80	3.80	3.80	3.80
Alumina sulphate, com	1.15	1.15	1.15	1.15	1.30	1.15	1.50	1.50	1.65	1.50
Ammonia, anhyd., com	.04½	.04½	.05	.05	.03075	.03075	.03875	.03750	.04125	.0370
Arsenic, white	.03	.03	.04	.04	.06	.06	.06	.05½	.06½	.05½
Barium chloride, tech	77.00	77.00	77.00	77.00	85.00	80.00	100.00	90.00	156.00	90.00
Bleaching powder	2.00	2.00	2.50	2.25	3.75	2.75	4.50	4.25	5.00	4.50
Calcium acetate	1.90	1.65	3.00	3.00	4.00	3.00	4.00	3.00	4.00	3.00
Arsenate	.06½	.06½	.07	.06½	.09½	.09	.10½	.09½	.11	.09½
Chloride, flake	22.00	22.00	18.50	18.50	22.00	18.50	22.00	22.00	25.00	22.00
Chlorine, liquid	2.00	1.75	1.75	1.75	2.25	2.00	2.40	2.40	2.70	2.40
Cobalt, oxide, black	1.84	1.67	1.84	1.84	1.27½	1.16	1.38	1.27½	1.38	1.38
Copper carbonate	.169	.14	.19½	.18	.26	.24	.25¼	.21	11.00	9.30
Sulphate 99%	4.75	4.10	5.15	5.15	7.60	7.10	8.10	7.00	8.95	7.60
Copperas	16.00	14.00	14.00	14.00	14.00	14.00	17.00	17.00	17.00	17.00
Epsom salt, tech	1.80	1.80	1.80	1.80	2.30	2.05	2.30	2.15	2.15	2.15
Glauber's salt, dom	.95	.95	1.05	1.05	1.75	1.25	2.00	2.00	2.00	2.00
Lead acetate, wh., brok	.11	.10	.12½	.12	.18½	.17	.27¾	.19¾	.23	.19¾
Arsenate	.11	.10	.11	.09	.21¾	.20	.31½	.27	.28¾	.25
Magnesia, cal., tech	.26	.26	.26	.26	.33	.29	.32	.32	.32	.32
Magnesium chloride	32.00	32.00	32.00	32.00	40.00	37.00	40.00	40.00	45.00	40.00
Nickel salt	.13	.13	.13	.13	.14½	.14	.18	.18	.25	.18
Phosphorous, red, export	.40	.40	.40	.40	.44	.40	.40	.40	.42	.40
Potash caustic, solid	.06¼	.03¼	.06¼	.06¼	.07¼	.06¾	.0755	.0755	.079	.0755
Potassium carbonate, cal	.06½	.06½	.06½	.06½	.07½	.07¼	.078	.078	.0825	.0780
Chlorate, powd	.10	.08½	.09¾	.09¾	.11¾	.09	.09	.09	.094	.09
Saltpeter, gran	6.50	6.50	8.20	8.20	8.20	8.20	9.25	9.25	9.50	9.25
Soda ash, 58% light	1.05	1.05	1.05	1.05	1.30	1.20	1.40	1.25	1.50	1.25
Caustic, solid	2.30	2.30	2.30	2.30	2.85	2.50	3.05	3.05	3.35	3.05
Sodium chlorate, dom	.06¼	.06¼	.06¼	.06¼	.07¼	.06¾	.07½	.07½	.08½	.07½
Phosphate, tribas	2.25	2.00	2.70	2.70	3.50	2.70	3.75	3.75	4.15	3.75
Silicofluoride	.05¾	.04	.12	.05	.07½	.06¾	.05	.04	.05	.04
Sulphur, crude, mines	16.00	16.00	16.00	16.00	18.00	16.00	18.00	18.00	22.00	18.00
Tin, crystals	.40	.36½	.39	.39	.92	.72	.71½	.59	.73½	.57½

Coaltar Chemicals

	1939		1942		1947		1949		1950	
	H.	L.	H.	L.	H.	L.	H.	L.	H.	L.
Acid, benzoic, tech	.43	.43	.43	.43	.43	.43	.43	.43	.50	.43
Cresylic, high-boil	.68	.49	.81	.81	1.42	.90	1.30	.80	1.25	.70
Sulphanilic, tech	.17	.17	.17	.17	.17	.17	.17	.17	.18	.15
Tobias	.65	.55	.55	.55	.62	.60	.65	.65	.74	.65
Alphanaphthylamine	.32	.32	.32	.32	.35	.35	.42	.41	.45	.41
Anilin oil	.15	.15	.15	.15	.13	.11	.15	.14	.17	.14
Benzol	.16	.16	.15	.15	.21½	.17	.22	.20	.37	.22
Creosote oil, crude	.13½	.13½	.15½	.15½	.19½	.17	.19½	.14	.20	.14
Dinitrobenzene	.18	.18	.18	.18	.18	.16	.16	.16	.20	.16
Dinitrophenol	.22	.22	.22	.22	.22	.22	.28	.28	.34	.28
Diphenylguanidin	.35	.35	.35	.35	.35	.35	.40	.40	.43	.39
Naphthalene, crude, dom., 78°	2.25	2.25	2.75	2.50	4.50	3.50	7.50	5.75	6.75	5.75
Nitrobenzene	.07	.07	.07	.07	.07½	.07	.08½	.08	.10	.08
Paradichlorobenzene	.11	.11	.11	.11	.12½	.11	.11	.11	.14½	.11
Phenol, USP	.14½	.13	.12½	.12½	.11½	.10½	.1250	.1250	.17¼	.12¾
Phthalic anhydride	.14½	.14½	.14½	.14½	.17½	.14½	.22½	.22½	.22½	.17½
Resorcinol, tech	.75	.75	.68	.68	.68	.68	.75	.74	.84	.74
Tar acid oil, 15%	.22	.21	.27½	.27½	.43	.26½	.38	.33	.40	.33
Toluol, pure	.30	.27	.33	.33	.30	.23	.29	.19	.33½	.19
Xylidin, mixed	.35	.35	.35	.35	.38	.35	.50	.45	.45	.39
Xylol, com	.27	.26	.27	.27	.30	.25	.28	.23	.35	.23

Dyestuffs and Tanstuffs, Textile and Leather Chemicals

	1939		1942		1947		1949		1950	
	H.	L.	H.	L.	H.	L.	H.	L.	H.	L.
Albumen, egg, edible	.75	.60	1.80	1.73	3.00	1.70	2.64	1.87	1.85	1.07
Annatto seed	.07½	.06½	.06½	.06	.19	.14	.20	.18	.20	.16
Chestnut ext., liquid	.01¾	.01⅝	.02¾	.02¼	.0435	.0435	.0455	.0438	.04¾	.04⅜
Cochineal, gray	.37	.35	.37	.37	.67	.65	.68	.67	.68	.67
Cutch	.04¼	.04	.05¼	.04¾	.12	.12	.08⅛	.07	.07	.06¾
Dextrin, corn, white	3.50	3.30	4.00	3.95	8.09	5.19	6.84	6.56	7.74	6.89
Egg yolk, dried, dom	.67	.59	1.00	.87	1.20	1.15	1.40	.93	1.33	1.08
Fustic ext., cryst., No. 1	.24	.22	.24	.16	.42½	.41	.42½	.42½	.47½	.42½

* *Data for this section supplied through the courtesy of OIL, PAINT AND DRUG REPORTER.*

CHEMICAL PRICES: 1939-1950

Dyestuffs and Tanstuffs, Textile and Leather Chemicals (Continued)

	1939		1942		1947		1949		1950	
	H.	L.	H.	L.	H.	L.	H.	L.	H.	L.
Hydrogen peroxide, 35%	.20	.20	.16	.16	.15½	.15½	.17½	.17½	.20¾	.19¼
Indigo, synth., 20% paste	.16½	.16½	.16½	.16½	.16½	.16½	.23	.16½	.28	.25½
Logwood ext., liq., No. 1	.10½	.09½	.12½	.12½	.18½	.18	.18¾	.18½	.20	.18½
Myrobalans, J2	27.50	17.00	60.00	60.00	52.00	39.00	53.00	50.00	42.00	35.00
Nutgalls, Aleppo	.29	.23	No price		.52	.50	.50	.43	.43	.38
Potassium bichromate	.08⅞	.08⅞	.09⅝	.09⅝	.11⅝	.10¾	.12⅝	.12⅝	.14	.13⅛
Quebracho ext., liq., 35%	.03½	.02⅞	.05¾	.04½	.07½	.06	.08¼	.07¼	.07¾	.07⅛
Sago flour	.04	.02¼	.05	.04½	.09½	.07	.08	.05	.08	.05½
Sodium bichromate	.06⅞	.05⅞	.07⅜	.07⅜	.09	.08¾	.10¼	.10	.10½	.09¾
Hydrosulphite	.16	.16	.17	.17	.19	.18½	.24	.23	.23½	.21
Starch, corn, pearl	2.65	2.45	3.10	3.10	7.02	4.07	5.52	5.34	6.37	5.62
Valonia cups	39.00	30.00	No price		58.00	53.00	90.00	53.00	56.00	52.00

Oils, Fats, and Waxes

	1939		1942		1947		1949		1950	
	H.	L.	H.	L.	H.	L.	H.	L.	H.	L.
Acid, stearic, dble pressed	.12½	.10	.1580	.1400	.38	.23	.20	.13½	.23	.13¾
Degras, common	.10	.07	.12½	.08¾	.12	.10	.12	.10½	.11	.10½
Lard, Western, prime, tcs.	.08¾	.05¾	.138	.10½	.32	.1662	.1610	.08½	.17	.10⅞
Oil, castor, No. 3	.11⅛	.07½	.13	.12¾	.33¼	.27½	.19	.16	.29¾	.17
Coconut, crude	.05⅝	.02½	.0950	.0835	.26	.11	.17¾	.12½	.18	.12⅝
Cod, NF	.72	.32	.90	.78	.24	.20	.20	.09	.13½	.07½
Corn, crude	.07½	.04⅞	.12⅝	.12	.37	.18	.16½	.09⅝	.22½	.11½
Cottonseed, crude	.06⅜	.04¼	.12⅜	.12½	.37	.16	.16	.09¼	.21⅝	.10⅝
Linseed, raw	.1020	.078	.136	.106	.385	.2910	.2780	.1730	.1870	.1560
Menhaden, crude	.36	.21	.666	.60	.23	.14	.12	.05½	.16	.06
Neatsfoot, 30°	.20¼	.14¾	.191¾	.178¾	.55	.41	.38	.21½	.34	.24
Oleo, extra	.12	.08	.188¾	.13¾	No stocks		.19	.12	.21	.12½
Palm, Congo	.05	.03⅝	.09¼	.09	No stocks		.22	.1110	.20¼	.11¾
Peanut, crude	.07¼	.05⅝	.13	.13	.37	.19½	.20	.10¼	.22½	.13
Perilla	.15½	.089	.238	.21½	No stocks		No stocks		No stocks	
Red, single, dist	.08½	.06¼	.1245	.1100	.32¾	.17¾	.16½	.10¼	.23	.11¾
Sardine, crude	.38	.22	.66½	.60	.25	.18	.11	.05½	.16	.06¼
Soybean, crude	.0650	.0450	.12½	.11¾	.34	.15¾	.15½	.09	.20¼	.10¾
Tung	.25	.14	.3885	.34¾	.38	.21	.26½	.17¾	.36	.22¼
Tallow, extra, loose	.07	.04⅜	.0971¼	.0862⅝	.26¾	.11¾	.10¼	.05	.16¼	.05½
Wax, bees, crude, Afr	.29	.27	.49	.37½	.59	.45	.54	.44	.64	.42
Candelilla, crude	.18½	.15½	.38	.33	.76	.62	.60	.38	.67	.46
Carnauba, No. 3, N.C., cr	.48	.28¾	.79	.73½	1.58	.73	.84	.72	1.10	.64
Spermaceti, blocks	.22	.18	.26	.24	.50	.44	.39	.31	.29½	.24

Fertilizer Materials

	1939		1942		1947		1949		1950	
	H.	L.	H.	L.	H.	L.	H.	L.	H.	L.
Ammonium sulphate, dom	28.00	28.00	28.20	23.00	38.00	28.20	48.00	45.00	45.00	32.00
Phosphate rock, Fla., 66%-68%	1.90	1.90	2.20	2.20	3.49	2.60	4.61	3.60	4.61	4.35
Potash manure salt, dom	.58½	.58½	.60	.60	.20*	.20*	.20	.20	.21	.20
Muriate, 60%	.53½	.53½	.53½	.53½	.53½	.37½	.45½	.37½	.42	.40
Sodium nitrate, crude, dom	27.00	27.00	27.00	27.00	40.50	35.00	48.50	48.50	48.50	48.50
Superphosphate, pile	8.50	7.50	10.24	9.60	13.68	12.60	13.68	13.68	14.58	12.60
Urea, dom., 46%	95.00	95.00	85.00	80.00	73.00	68.00	90.00	85.00	95.00	90.00

Paint, Varnish and Lacquer Materials

	1939		1942		1947		1949		1950	
	H.	L.	H.	L.	H.	L.	H.	L.	H.	L.
Acetone, CP	.06	.04½	.10	.08½	.08	.07	.08½	.07½	.08½	.07½
Alcohol, butyl, norm	.09	.07	.15¼	.13½	.35	.25	.17½	.12½	.30½	.17½
Denatured SD1	.22½	.19½	.53	.53	.98½	.82½	.44	.31½	.90½	.31½
Amyl acetate, ex fusel	.12½	.09½	.14½	.14½	.27	.24	.25½	.15	.....	.....
Baryta, dom., floated	31.50	31.50	27.65	27.65	33.30	31.10	35.05	35.05	37.60	33.05
Black, carbon, standard	.0375	.0375	.03625	.03625	.075	.074	.0832	.0832	.0950	.0832
Blue, Prussian	.36	.33	.36	.36	.42	.42	.45	.45	.45	.42
Brown, sienna, Amer., burnt	.03¼	.03	.03¾	.03½	.08	.05	.03¾	.03¾	.06½	.04¾
Casein, domestic	.20	.07	.31	.14	.34	.24½	.30	.20	.41½	.22
Cellulose acetate, flake	.36	.35	.30	.30	.36	.36	.36	.33	.38	.33
Ethyl acetate, 85%	.06½	.051	.12	.12	.19	.18	.12	.09	.19¾	.10½
Green, chrome, to 5%	.21	.21	.23¼	.23	.32	.29	.38	.36	.36	.32
Gum, copal, Congo	.49½	.34¾	.49½	.49½	.28	.25	.25	.23	.26	.25
Dammar, Bat., A./E.	.13¾	.11⅞	.25¾	.25¾	.35	.29	.23	.23	.28	.23
Ester	.06½	.06	.09½	.08½	.16¾	.13	.17	.13	.12½	.12
Lead, red, 95%, dry	.0810	.0735	.09¼	.086	.176	.15¾	.24¼	.14¾	.19¾	.13¼
White, bas. carb	.07	.07	.08½	.07¾	.16	.14	.2210	.1475	.18½	.14
Litharge, common	.0710	.0635	.08¼	.070	.1660	.14	.23¼	.13¾	.18¾	.13¾
Lithopone, ordinary	.04½	.0375	.04¾	.04¼	.06	.05	.06⅞	.06¼	.07	.06¼
Nitrocellulose, a/s	.28	.28	.28	.28	.32	.28	.34	.32	.38	.32
Red, Indian, pure	.08¾	.08¾	.09¼	.09¼	.10¼	.09	.11½	.11½	.12½	.11½
Rosin, gum, F	6.60	5.35	4.14	3.27	9.65	6.73	7.40	5.00	7.30	4.60
Shellac, T. N.	.19	.19½	.34	.31	.68	.60	.62	.45	.47	.39
Titanium dioxide, reg	.14	.13	.14½	.14½	.17½	.15½	.19½	.19½	.21	.19
Turpentine, gum	.34½	.28½	.82½	.69	1.25	.52	.41¼	.36	1.02	.48½
Whiting, chalk, com	12.00	12.00	18.00	18.00	10.50	10.00	11.00	6.00	6.00	6.00
Yellow, chrome, CP	.14½	.13½	.16½	.16	.27	.24	.34	.30¼	.32	.25
Zinc oxide, lead-free	.06¼	.06¼	.07¼	.07¼	.10	.09	.15½	.10	.16	.11
Stearate, tech	.23	.20	.31	.30	.51	.48	.42	.34	.44	.34

Drugs and Fine Chemicals

	1939		1942		1947		1949		1950	
	H.	L.	H.	L.	H.	L.	H.	L.	H.	L.
Acetanilide, USP	.30	.30	.34	.30	.40	.40	.50	.40	.50	.50
Acid, acetylsalicylic, USP	.50	.40	.40	.40	.45	.45	.48	.48	.55	.48
Boric, gran., tech	96.00	96.00	99.50	95.50	99.00	99.00	86.75	86.75	89.75	86.75
Citric, cryst	.22	.20	.20	.20	.25	.20	.27	.27	.27½	.27
Phosphoric, NF, 85%	.12	.12	.10½	.10½	.10½	.10½	.10½	.10½	.10½	.10½
Tartaric, USP	.31¼	.27¼	.70½	.70½	.54½	.45½	.37½	.31½	.39½	.31½
Agar, No. 1	1.50	.90	4.75	3.50	3.85	2.75	3.10	1.85	1.50	1.25
Atropine sulphate	4.00	2.50	21.00	18.75	8.90	7.35	10.35	9.00	9.00	5.50
Bismuth subnitrate	1.48	1.33	1.20	1.20	2.15	2.00	2.30	2.30	2.65	2.30
Borax, tech., cryst	43.00	43.00	41.50	41.50	48.50	48.50	57.25	57.25	59.25	57.25
Bromine, purif	.30	.30	.25	.25	.21	.21	.21	.21	.25	.21

* F.o.b. N. M. mines.

CHEMICAL PRICES: 1939-1950

Drugs and Fine Chemicals (Continued)

	1939		1942		1947		1949		1950	
	H.	L.	H.	L.	H.	L.	H.	L.	H.	L.
Caffeine, natural	2.20	2.20	2.60	2.60	4.25	3.75	4.75	4.75	5.50	4.75
Synthetic	No prices		No prices		No prices		4.75	3.80	3.80	3.80
Camphor, nat., tabs	.82	.53½	1.60	1.60	No stocks		No prices		.85	.74
Synth., tabs	.68	.68	.82	.79½	.94	.83	.73	.73	.88	.73
Chloroform, tech	.20	.20	.20	.20	.20	.20	.20	.20	.20	.18
Corrosive sublimate	1.99	1.05	2.24	2.24	1.92	1.53	1.53	1.53	2.18	1.53
Cream tartar	.25½	.22¼	.57½	.57½	.57½	.38½	.32½	.27½	.34½	.26¼
Formaldehyde	.05¾	.05¾	.05½	.05½	.0370	.0320	.037	.037	.045	.035
Glycerin, USP	.12¼	.12¼	.18	.18	.55	.39¼	.39½	.24¼	.58	.24¼
Hexamethylenetetramine, tech	.35	.32	.32	.32	.28	.24	.27½	.22	.24	.22
Iodine, resub	2.00	1.75	2.00	2.00	2.85	2.10	2.55	2.30	2.55	2.30
Menthol, natural	3.35	2.90	14.00	13.00	9.20	7.20	12.00	8.60	14.00	9.80
Methanol, nat., denat	.40	.35	.60	.60	.60	.60	.60	.50	.70	.50
Synthetic	.33	.33	.28	.28	.24	.24	.28	.26	.32	.26
Methyl chloride	.32	.32	.32	.32	.33	.32	.37	.34	.39	.34
Salicylate	.35	.35	.35	.35	.40	.35	.40	.40	.50	.40
Oil, codliver, USP	40.00	20.00	85.00	72.00	85.80	79.20	75.80	48.20	57.75	46.20
Opium, gum, USP	11.50	11.50	13.00	13.00	21.30	21.30	19.20	19.20	19.20	19.20
Phenolphthalein, USP	.85	.85	.85	.85	.85	.85	1.00	1.00	1.10	1.00
Potassium bromide	.31	.31	.27	.27	.33	.25	.33	.33	.34	.33
Quicksilver, dom	160.00	77.00	212.00	191.00	88.00	77.00	86.00	71.00	138.50	70.00
Quinine sulphate	.64	.61	.80½	.80½	.80½	.80½	.80½	.56½	.56½	.56½
Rochelle, salt, powd	.20¾	.17¾	.42½	.42½	.34½	.32½	.31½	.27½	.33½	.27½
Santonin, cryst	130.00	46.00	210.00	210.00	175.00	170.00	190.00	190.00	300.00	130.00
Silver nitrate	.31½	.27	.32½	.26⅞	.55¾	.40½	.47¾	.44⅞	.50⅝	.44⅞
Sodium benzoate, USP	.46	.39	.46	.46	.46	.46	.46	.46	.46	.42
Bicarbonate, USP	1.85	1.70	1.85	1.85	2.25	2.25	2.35	2.35	2.50	2.35
Strychnine	.60	.50	.70	.70	1.35	1.25	1.25	1.25	1.25	1.25
Thymol	1.55	1.45	3.00	2.75	3.65	2.40	3.65	3.65	3.75	3.50
Trichloroethylene	.09	.08	.08	.08	.09¾	.08	.10½	.10½	.10¼	.09¾

Botanical Drugs, Spices, and Gums

	1939		1942		1947		1949		1950	
	H.	L.	H.	L.	H.	L.	H.	L.	H.	L.
Belladonna leaves	.30	.12½	3.45	1.60	2.75	1.40	1.15	.75	.65	.40
Root	.40	.13	2.25	1.30	2.50	1.10	.55	.45	.50	.40
Black haw root bark	.24	.20	.40	.39	.82	.75	.78	.70	.80	.65
Buchu leaves	.80	.30	.80	.74	1.05	.80	.83	.75	.75	.40
Cascara sagrada bark	.14	.10	.28	.20	.44	.40	.37	.26	.38	.27
Chamomile flow., Hung	.60	.20	.80	.60	.70	.65	.46	.45	1.00	.45
Clover tops, dom	.38	.12	.33	.26	.70	.65	.58	.55	1.00	.55
Cramp bark, NF	.23	.20	.60	.30	.80	.80	.80	.80	1.10	.80
Digitalis leaves	.40	.35	.50	.45	1.05	1.05	.85	.70	.95	.70
Ergot, USP	3.50	1.25	1.70	1.25	1.55	.90	3.75	1.18	6.50	3.75
Ginger, African	.09	.04¾	.45	.28	.15	.11	.48	14½	.48	.37
Goldenseal root	3.60	2.75	4.75	3.95	8.90	6.50	4.25	3.25	4.00	3.00
Gum arabic sorts	.19	.09	.22	.14	.14½	.13	.13½	.12	.14½	.12
Myrrh, USP	.65	.39	.78	.60	.48	.45	.30	.30	.30	.28
Tragacanth, No. 1	2.50	2.25	3.75	3.25	4.85	3.60	3.60	2.75	3.75	2.75
Henbane leaves	.65	.14½	3.25	1.85	1.25	1.00	.45	.28	.35	.29
Jalap root, NF	.24	.15	.65	.45	.45	.42	.45	.40	.43	.40
Lobelia	.12	.11	.50	.33	.82	.60	.83	.50	.90	.80
Mandrake root	.11	.09	.25	.18	.40	.35	.48	.30	.50	.36
Marjoram, French	.35	.16	1.15	.75	.42	.34½	.52	.32	.55	.40
Papain, powd	2.10	1.10	1.10	.84	6.50	5.75	3.60	1.75	4.50	1.75
Rhubarb root	.55	.35	1.20	.75	1.40	.60	1.20	.75	1.30	.65
Sarsaparilla root, Mex	.19	.13	.22	.19	.60	.45	.28	.24	.30	.24
Senega root	.85	.65	.95	.59	2.65	1.75	1.82	1.20	2.80	1.55
Senna leaves, Tinn., No. 1	.14	.09	.16	.14	.25	.17	.18	.17	.24	.17
Soapbark, whole	.23	.07	.13	.09	.18	.18	.22	.17	.27	.17
Stramonium leaves	.17	.13	.50	.27	.22	.22	.20	.19	.22	.19
Tonka beans, Angos	2.40	2.40	3.00	2.40	1.75	1.75	1.75	1.75	1.75	1.75
Uva ursi leaves	.11	.08	.25	.20	.16	.12	.11	.10	.10	.06
Valerian root	.27	.09½	1.70	1.15	.58	.45	.37	.35	.45	.35
Vanilla beans, Mexican	6.50	5.00	16.00	11.00	10.50	8.25	5.75	3.85	7.50	5.75
Wild cherry bark	.07	.04½	.09½	.07	.24	.18	.24	.17	.18	.16

Essential Oils and Aromatic Chemicals

	1939		1942		1947		1949		1950	
	H.	L.	H.	L.	H.	L.	H.	L.	H.	L.
Alcohol, benzyl	.63	.63	.63	.63	.65	.65	.80	.60	.88	.58
Citronellol	1.60	1.60	1.60	1.75	5.70	3.85	3.25	2.85	3.70	2.85
Coumarin	2.75	2.75	2.75	2.75	2.90	2.75	3.00	3.00	3.00	2.75
Oil, anise, USP	.85	.63	3.50	2.10	1.25	.65	1.60	.72	1.80	.90
Cassia, USP	1.20	.88	11.00	10.00	3.50	2.25	3.00	1.80	5.50	2.05
Citronella, Ceylon	.46	.34	1.70	1.05	2.25	.75	1.50	.72	2.30	1.05
Clove, USP	1.55	.95	1.75	1.40	1.50	1.30	2.20	1.50	2.75	1.45
Eucalyptus, NF	.59	.33	.96	.70	1.18	1.05	1.45	.53	1.20	.55
Geranium, Bourbon	3.25	2.40	25.00	17.00	16.50	10.50	14.50	9.50	35.00	13.00
Lavender, spike	1.15	.95	4.15	2.75	2.05	1.50	2.25	.90	3.25	.85
Lemon, Calif	3.00	2.00	3.25	3.25	3.50	3.10	3.25	2.65	4.50	2.75
Lemongrass	.85	.32	3.75	1.30	3.80	1.25	3.00	1.60	4.00	1.70
Lime, dist	4.15	3.00	13.00	3.25	6.00	4.00	8.00	5.25	7.00	5.40
Orange, exp., Calif	1.50	.75	3.25	2.25	1.70	1.60	1.75	.60	2.00	.55
Peppermint, nat	2.75	2.05	7.00	5.30	8.50	7.60	7.95	4.50	7.30	5.75
Sandalwood, USP	5.50	4.50	6.00	5.85	16.50	11.15	16.30	11.50	14.50	11.50
Sassafras, artif	.75	.34	2.00	2.00	.90	.65	.65	.40	1.00	.48
Spearmint, USP	2.00	1.70	3.25	3.00	13.50	6.75	5.00	3.10	5.50	3.10
Wormwood	3.25	2.00	3.00	2.75	5.60	3.85	13.50	6.25	7.75	6.50
Terpineol, CP	.25	.23	.40	.33	.47	.42	.60	.35	.55	.33
Vanillin ex guaiacol	2.50	2.10	2.35	2.35	3.15	3.00	3.00	3.00	3.00	3.00

Petroleum Products

	1939		1942		1947		1949		1950	
	H.	L.	H.	L.	H.	L.	H.	L.	H.	L.
Kerosene, w.w	.052	.04½	.068	.053	.09625	.062	.0925	.07625	.09625	.07625
Oil, white, min., 125-135	.64½	.60½	.63	.49	.63	.54½	.64	.53	.61¼	.53
Paraffin, white, scale	.07	.0235	.04¼	.04¼	.06½	.06	No prices		No prices	
Pentane	.08½	.08½	.08½	.06½	.17	.11	.10½	.10¼	.11½	.10½
Petrolatum, amber	.04	.05⅝	.04⅛	.03⅛	.04¼	.04⅛	.04⅞	.04¾	.06	.04⅞
Petroleum naphtha, arom	.19	.16	.21½	.21½	.22½	.27	.27	.25	.27	.24
V.M. & P	.10½	.10½	.11	.11	.15	.12	.15	.15	.17	.15
Propane, indus	.03¾	.03	.03¾	.03¾	.06¾	.03¾	.06	.02½	.04	.02½

Technical Data

A selection of miscellaneous tables collected from various sources and published to provide a handy reference for frequently needed technical information.

Table of Conversion Factors*

Data are arranged alphabetically.

Unless designated otherwise, the English measures of capacity are those used in the United States, and the units of weight and mass are avoirdupois units.

The word gallon, used in any conversion factor, designates the U. S. gallon. To convert into the Imperial gallon, multiply the U. S. gallon by 0.83267. Likewise, the word ton designates a short ton, 2,000 pounds.

The figures 10^{-1}, 10^{-2}, 10^{-3}, etc. denote 0.1, 0.01, 0.001, etc., respectively. The figures 10^{1}, 10^{2}, 10^{3}, etc. denote 10, 100, 1000, etc., respectively.

With respect to the properties of water, it freezes at 32° F., and is at its maximum density at 39.2°F. In the conversion factors given below using the properties of water, calculations are based on water at 39.2°F. in vacuo, weighing 62.427 pounds per cubic foot, or 8.345 pounds per U. S. gallon.

"Parts Per Million," designated as P.P.M., is always by weight and is simply a more convenient method of expressing concentration, either dissolved or undissolved material. Usually P.M.M. is used where percentage would be so small as to necessitate several ciphers after the decimal point, as one part per million is equal to 0.0001 per cent.

As used in the Sanitary field, P.P.M. represents the number of pounds of dry solids contained in one million pounds of water, including solids. In this field, one part per million may be expressed as 8.345 pounds of dry solids to one million U. S. gallons of water. In the Metric system, one part per million may be expressed as one gram of dry solids to one million grams of water, or one milligram per liter.

In arriving at parts per million by means of pounds per million gallons or milligrams per liter, it may be mentioned that the density of the solution or suspension has been neglected and if this is appreciably different from unity, the results are slightly in error.

Conversion Factors

AC-CU

Multiply	*By*	*To Obtain*
Acres	43,560	Square feet
"	4.047	Square meters
"	1.562x10^{-3}	Square miles
"	4,840	Square yards
Acre-feet	43,560	Cubic feet
" "	325,851	Gallons
" "	1233.49	Cubic meters
Atmospheres	76.0	Cms. of mercury
"	29.92	Inches of mercury
"	33.90	Feet of water
"	10,333	Kgs./sq. meter
"	14.70	Lbs./sq. inch
"	1.058	Tons/sq. ft.
Barrels-oil	42	Gallons-oil
" -cement	376	Pounds-cement
Bags or sacks-cement	94	Pounds-cement
Board-feet	144 sq. in. x 1 in.	Cubic inches
British Thermal Units	0.2520	Kilogram-calories
" " "	777.5	Foot-lbs.
" " "	3.927x10^{-4}	Horsepower-hrs.
" " "	107.5	Kilogram-meters
" " "	2.928x10^{-4}	Kilowatt-hrs.
B.T.U. /min.	12.96	Foot-lbs./sec.
" / "	0.02356	Horse-power
" / "	0.0/757	Kilowatts
" / "	17.57	Watts
Centares (Centiares)	1	Square meters
Centigrams	0.01	Grams
Centiliters	0.01	Liters
Centimeters	0.3937	Inches
"	0.01	Meters
"	10	Millimeters
Centimtrs. of Mercury	0.01316	Atmosphere
" " "	0.4461	Feet of water
" " "	136.0	Kgs./sq. meter
" " "	27.85	Lbs./sq. ft.
" " "	0.1934	Lbs./sq. inch
Centimeters/second	1.969	Feet/min.
" / "	0.03281	Feet/sec.
" / "	0.036	Kilometers/hr.
" / "	0.6	Meters/min.
" / "	0.02237	Miles/hr.
" / "	3.728x10^{-4}	Miles/min.
Cms./sec./sec.	0.03281	Feet/sec./sec.
Cubic centimeters	3.531x10^{-5}	Cubic feet
" "	6.102x10^{-2}	Cubic inches
" "	10^{-6}	Cubic meters
" "	1.308x10^{-6}	Cubic yards
" "	2.642x10^{-4}	Gallons
" "	10^{-3}	Liters
" "	2.113x10^{-3}	Pints (liq.)
" "	1.057x10^{-3}	Quarts (liq.)
Cubic feet	2.832x10^{4}	Cubic cms.
" "	1,728	Cubic inches
" "	0.02832	Cubic meters
" "	0.03704	Cubic yards
" "	7.48052	Gallons
" "	28.32	Liters
" "	59.84	Pints (liq.)
" "	29.92	Quarts (liq.)

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CU-GA

Multiply	*By*	*To Obtain*
Cubic feet/minute	472.0	Cubic cms./sec.
" " / "	0.1247	Gallons/sec.
" " / "	0.4720	Liters/sec.
" " / "	62.43	Pounds of water/min.
Cubic feet/second	0.646317	Million gals./day
" " / "	448.831	Gallons/min.
Cubic inches	16.39	Cubic centimeters.
" "	5.787x10^{-4}	Cubic feet
" "	1.639x10^{-5}	Cubic meters
" "	2.143x10^{-5}	Cubic yards
" "	4.329x10^{-3}	Gallons
" "	1.639x10^{-2}	Liters
" "	0.03463	Pints (liq.)
" "	0.01732	Quarts (liq.)
Cubic meters	10^{6}	Cubic centimeters.
" "	35.31	Cubic feet
" "	61.023	Cubic inches
" "	1.308	Cubic yards
" "	264.2	Gallons
" "	10^{3}	Liters
" "	2,113	Pints (liq.)
" "	1,057	Quarts (liq.)
Cubic yards	7.646x10^{5}	Cubic centimeters.
" "	27	Cubic feet
" "	46,656	Cubic inches
" "	0.7646	Cubic meters
" "	202.0	Gallons
" "	764.6	Liters
" "	1,616	Pints (liq.)
" "	807.9	Quarts (liq.)
Cubic yards/min.	0.45	Cubic feet/sec.
" " / "	3.367	Gallons/sec.
" " / "	12.74	Liters/sec.
Decigrams	0.1	Grams
Deciliters	0.1	Liters
Decimeters	0.1	Meters
Degrees (angle)	60	Minutes
" "	0.01745	Radians
" "	3,600	Seconds
Degrees/sec.	0.01745	Radians/sec.
" / "	0.1667	Revolutions/min.
" / "	0.002778	Revolutions/sec.
Dekagrams	10	Grams
Dekaliters	10	Liters
Dekameters	10	Meters
Drams	27.34375	Grains
"	0.0625	Ounces
"	1.771845	Grams
Fathoms	6	Feet
Feet	30.48	Centimeters
"	12	Inches
"	0.3048	Meters
"	1/3	Yards
Feet of water	0.02950	Atmospheres
" " "	0.8826	Inches of mercury
" " "	304.8	Kgs./sq. meter
" " "	62.43	Lbs./sq. ft.
" " "	0.4335	Lbs./sq. inch
Feet/min.	0.5080	Centimeters/sec.
" / "	0.01667	Feet/sec.
" / "	0.01829	Kilometers/hr.
" / "	0.3048	Meters/min.
" / "	0.01136	Miles/hr.
Feet/Sec.	30.48	Centimeters/sec.
" / "	1.097	Kilometers/hr.
" / "	0.5921	Knots
" / "	18.29	Meters/min.
" / "	0.6818	Miles/hr.
" / "	0.01136	Miles/min.
Feet/sec./sec.	30.48	Cms./sec./sec.
" / " / "	0.3048	Meters/sec./sec.
Foot-pounds	1.286x10^{-3}	British Thermal Units
" "	5.050x10^{-7}	Horse-power-hrs.
" "	3.241x10^{-4}	Kilogram-calories
" "	0.1383	Kilogram-meters
" "	3.766x10^{-7}	Kilowatt-hrs.
Foot-pounds/min.	1.286x10^{-3}	B. T. Units/min.
" " / "	0.01667	Foot-pounds/sec.
" " / "	3.030x10^{-5}	Horse-power
" " / "	3.241x10^{-4}	Kg.-calories/min.
" " / "	2.260x10^{-5}	Kilowatts
Foot-pounds/sec.	7.717x10^{-2}	B. T. Units/min.
" " / "	1.818x10^{-3}	Horse-power
" " / "	1.945x10^{-3}	Kg-calories/min.
" " / "	1.356x10^{-3}	Kilowatts
Gallons	3,785	Cubic centimeters
"	0.1337	Cubic feet
"	231	Cubic inches
"	3.785x10^{-3}	Cubic meters
"	4.951x10^{-3}	Cubic yards
"	3.785	Liters
"	8	Pints (liq.)
"	4	Quarts (liq.)
Gallons, Imperial	1.20095	U. S. gallons
" U. S.	0.83267	Imperial gallons

Table of Conversion Factors (cont'd)

GA-LI

Multiply	By	To Obtain
Gallons water	8.3453	Pounds of water
Gallons/min.	$2{,}228 \times 10^{-3}$	Cubic feet/sec.
" / 1	0.06308	Liters/sec.
" / "	8.0208	Cu. ft./hr.
" /	8.0208 ÷ Area (sq. ft.)	Overflow rate (ft./hr.)
Gallons water/min.	6.0086	Tons water/24 hrs.
Grains (troy)	1	Grains (avoir.)
" "	0.06480	Grams
" "	0.04167	Pennyweights (troy)
" "	2.0833×10^{-3}	Ounces (troy)
Grains/U. S. gal.	17.118	Parts/million
" /U. S. gal.	142.86	Lbs./million gal.
" /Imp. gal.	14.254	Parts/million
Grams	980.7	Dynes
"	15.43	Grains
"	10^{3}	Kilograms
"	10^{3}	Milligrams
"	0.03527	Ounces
Grams	0.03215	Ounces (troy)
"	2.205×10^{-3}	Pounds
Grams/cm.	5.600×10^{-3}	Pounds/inch
Grams/cu. cm.	62.43	Pounds/cubic foot
" / " "	0.03613	Pounds/cubic inch
Grams/liter	58.417	Grains/gal.
" / "	8.345	Pounds/1000 gals.
" / "	0.062427	Pounds/cubic foot
" / " "	1000	Parts/million
Hectares	2.471	Acres
"	1.076×10^{5}	Square feet
Hectograms	100	Grams
Hectoliters	100	Liters
Hectometers	100	Meters
Hectowatts	100	Watts
Horse-power	42.44	B. T. Units/min.
" "	33,000	Foot-lbs./min.
" "	550	Foot-lbs./sec.
" "	1.014	Horse-power (metric)
" "	10.70	Kg.-calories/min.
" "	0.7457	Kilowatts
" "	745.7	Watts
Horse-power (boiler)	33.479	B.T.U./hr.
" "	9.803	Kilowatts
Horse-power-hours	2.547	British Thermal Units
" " "	1.98×10^{6}	Foot-lbs.
" " "	641.7	Kilogram-calories
" " "	2.737×10^{5}	Kilogram-meters
" " "	0.7457	Kilowatt-hours
Inches	2.540	Centimeters
Inches of mercury	0.03342	Atmospheres
" " "	1.133	Feet of water
" " "	345.3	Lbs./sq. ft.
" " "	70.73	Kgs./sq. meter
" " "	0.4912	Lbs./sq. inch
Inches of water	0.002458	Atmospheres
" " "	0.07355	Inches of mercury
" " "	25.40	Kgs./sq. meter
" " "	0.5781	Ounces/sq. inch
" " "	5.202	Lbs./sq. foot
" " "	0.03613	Lbs./sq. inch
Kilograms	980.665	Dynes
"	2.205	Lbs.
"	1.102×10^{-3}	Tons (short)
"	10^{3}	Grams
Kilograms-calories	3.968	British Thermal Unit
" "	3086	Foot-pounds
" "	1.558×10^{-3}	Horse-power-hours
" "	1.162×10^{-3}	Kilowatt-hours
Kilogram-calories/min.	51.43	Foot-pounds/sec.
" " / "	0.09351	Horse-power
" " "	0.06972	Kilowatts
Kgs./meter	0.6720	Lbs./foot
Kgs./sq. meter	9.678×10^{-5}	Atmospheres
" / " "	3.281×10^{-3}	Feet of water
" / " "	2.896×10^{-3}	Inches of mercury
" / " "	0.2048	Lbs./sq. foot
" / " "	1.422×10^{-3}	Lbs./sq. inch
Kgs./sq. millimeter	10	Kgs./sq. meter
Kiloliters	10^{3}	Liters
Kilometers	10^{5}	Centimeters
"	3281	Feet
"	10^{3}	Meters
"	0.6214	Miles
"	1094	Yards
Kilometers/hr.	27.78	Centimeters/sec.
" / "	54.68	Feet/min.
" / "	0.9113	Feet/sec.
" / "	0.5396	Knots
" / "	16.67	Meters/min.
" / "	0.6214	Miles/hr.
Kms./hr./sec.	27.78	Kms./sec./sec.
" / " / "	0.9113	Ft./sec./sec.
" / " / "	0.2778	Meters/sec./sec.
Kilowatts	56.92	B. T. Units/min.
"	4.425×10^{4}	Foot-lbs./min.
"	737.6	Foot-lbs./sec.
"	1.341	Horse-power
"	14.34	Kg.-calories/min.
"	10^{3}	Watts
Kilowatt-hours	3415	British Thermal Units
" "	2.655×10^{6}	Foot-lbs.
" "	1.341	Horse-power-hrs.
" "	860.5	Kilogram-calories
" "	3.671×10^{5}	Kilogram-meters
Liters	10^{3}	Cubic centimeters
"	0.03531	Cubic feet
"	61.02	Cubic inches
"	10^{-3}	Cubic meters
"	1.308×10^{-3}	Cubic yards

LI-PO

Multiply	By	To Obtain
Liters	2.113	Gallons
"	0.2642	Pints (liq.)
"	1.057	Quarts (liq.)
Liters/min.	5.886×10^{-4}	Cubic ft./sec.
" / "	4.403×10^{-3}	Gals./sec.
Lumber Width (in.) x Thickness (in.) / 12	Length (ft.)	Board Feet
Meters	100	Centimeters
"	3.281	Feet
"	39.37	Inches
"	10^{-3}	Kilometers
"	10^{3}	Millimeters
"	1.094	Yards
Meters/min.	1.667	Centimeters/sec.
" / "	3.281	Feet/min.
" / "	0.05468	Feet/sec.
" / "	0.06	Kilometers/hr.
" / "	0.03728	Miles/hr.
Meters/sec.	196.8	Feet/min.
" / "	3.281	Feet/sec.
" / "	3.6	Kilometers/hr.
" / "	0.06	Kilometers/min.
" / "	2.237	Miles/hr.
" / "	0.03728	Miles/min.
Microns	10^{-6}	Meters
Miles	1.609×10^{5}	Centimeters
"	5280	Feet
"	1.609	Kilometers
"	1760	Yards
Miles/hrs.	44.70	Centimeters/sec.
" / "	88	Feet/min.
" / "	1.467	Feet/sec.
" / "	1.609	Kilometers/hr.
" / "	0.8684	Knots
" / "	26.82	Meters/min.
Miles/min.	2682	Centimeters/sec.
" / "	88	Feet/sec.
" / "	1.609	Kilometers/min.
" / "	60	Miles/hr.
Milliers	10^{3}	Kilograms
Milligrams	10^{3}	Liters
Milliliters	10^{3}	Grams
Millimeters	0.1	Centimeters
"	0.03937	Inches
Milligrams/liter	1	Parts/million
Million gals./day	1.5472	Cubic ft./sec.
Miner's inches	1.5	Cubic ft./min.
Minutes (angle)	2.909×10^{-4}	Radians
Ounces	16	Drams
"	437.5	Grains
"	0.0625	Pounds
"	28.349527	Grams
"	0.9115	Ounces (troy)
"	2.790×10^{-5}	Tons (long)
"	2.835×10^{-5}	Tons (metric)
Ounces, troy	480	Grains
" "	20	Pennyweights (troy)
" "	0.08333	Pounds (troy)
" "	31.103481	Grams
" "	1.09714	Ounces, avoir.
Ounces (fluid)	1.805	Cubic inches
" "	0.02957	Liters
Ounces/sq. inch	0.0625	Lbs./sq. inch
Overflow rate (ft./hr.) 1 / area (sq. ft.)	0.12468x 8.0208	Gals./min. / Sq. ft./gal./min.
Overflow rate (ft./hr.)	0.0584	Grains/U.S. gal.
Parts/million	0.07016	Grains/Imp. gal.
" / "	8.345	Lbs./million gal.
Pennyweights (troy	24	Grains
" "	1.55517	Grams
" "	0.05	Ounces (troy)
" "	4.1667×10^{-3}	Pounds (troy)
Pounds	16	Ounces
"	256	Drams
"	7000	Grains
"	0.0005	Tons (short)
"	453.5924	Grams
"	1.21528	Pounds (troy)
"	14.5833	Ounces (troy)
Pounds (troy)	5760	Grains
" "	240	Pennyweights (troy)
" "	12	Ounces (troy)
" "	373.24177	Grams
" "	0.822857	Pounds (avoir.)
" "	13.1657	Ounces (avoir.)
" "	3.6735×10^{-4}	Tons (long)
" "	4.1143×10^{-4}	Tons (short)
" "	3.7324×10^{-4}	Tons (metric)
Pounds of water	0.01602	Cubic feet
" " "	27.68	Cubic inches
" " "	0.1198	Gallons
Pounds of water/min.	2.670×10^{-4}	Cubic ft./sec.
Pounds/cubic foot	0.01602	Grams/cubic cm.
" " "	16.02	Kgs./cubic meter
" / " "	5.787×10^{-4}	Lbs./cubic inch
Pounds/cubic inch	27.68	Grams/cubic cm.
" / " "	2.768×10^{4}	Kgs./cubic meter
" / " "	1728	Lbs./cubic foot
Pounds/foot	1.488	Kgs./meter
Pounds/inch	178.6	Grams/cm.
Pounds/sq. foot	0.01602	Feet of water
" / " "	4.883	Kgs./sq. meter
" / " "	6.945×10^{-3}	Pounds/sq. inch
Pounds/sq. inch	0.06804	Atmospheres
" / " "	2.307	Feet of water

Table of Conversion Factors (cont'd)

PO-SQ

Multiply	*By*	*To Obtain*
Pounds/sq. inch	2.036	Inches of mercury
" / " "	703.1	Kgs./sq. meter
Quadrants (angle)	90	Degrees
" "	5,400	Minutes
" "	1.571	Radians
Quarts (dry)	67.20	Cubic inches
Quarts (liq.)	57.75	Cubic inches
Quintal, Argentine	101.28	Pounds
" Brazil	129.54	Pounds
" Castile, Peru	101.43	Pounds
" Chile	101.41	Pounds
" Mexico	101.47	Pounds
" Metric	220.46	Pounds
Quires	25	Sheets
Radians	57.30	Degrees
"	3,438	Minutes
"	0.637	Quadrants
Radians/sec.	57.30	Degrees/sec.
" / "	0.1592	Revolutions/sec.
" / "	9.549	Revolutions/min.
Radians/sec./sec.	573.0	Revolutions/min./min.
" / " / "	0.1592	Revolutions/sec./sec.
Reams	500	Sheets
Revolutions	360	Degrees
"	4	Quadrants
"	6.283	Radians
Revolutions/min.	6	Degrees/sec.
" / "	0.1047	Radians/sec.
" / "	0.01667	Revolutions/sec.
Revolutions/min./min.	1.745×10^{-3}	Rads./sec./sec.
" / " / "	2.778×10^{-4}	Rev./sec./sec.
Revolutions/sec.	360	Degrees/sec.
" / "	6.283	Radians/sec.
" / "	60	Revolutions/min.
Revolutions/sec./sec.	6.283	Radians/sec./sec.
" / " / "	3,600	Revolutions/min./min.
Seconds (angle)	4.848×10^{-6}	Radians
Square centimeters	1.076×10^{-3}	Square feet
" "	0.1550	Square inches
" "	10^{-4}	Square meters
" "	100	Square millimeters
Square feet	2.296×10^{-5}	Acres
" "	929.0	Square centimeters
" "	144	Square inches
" "	0.09290	Square meters
" "	3.587×10^{-8}	Square miles
" "	1/9	Square yards
1 / Sq. ft./gal./min.	8.0208	Overflow rate (ft./hr.)
Square inches	6.452	Square centimeters
" "	6.944×10^{-3}	Square feet
" "	645.2	Square millimeters
Square kilometers	247.1	Acres
" "	10.6×10^{6}	Square feet

SQ-YA

Multiply	*By*	*To Obtain*
Square kilometers	10^{6}	Square meters
" "	0.3861	Square miles
" "	1.196×10^{6}	Square yards
Square meters	2.471×10^{-4}	Acres
" "	10.76	Square feet
" "	3.861×10^{-7}	Square miles
" "	1.196	Square yards
Square miles	640	Acres
" "	27.88×10^{6}	Square feet
" "	2.590	Square kilometers
" "	3.098×10^{6}	Square yards
Square millimeters	0.01	Square centimeters
" "	1.550×10^{-3}	Square inches
Square yards	2.066×10^{-4}	Acres
" "	9	Square feet
" "	0.8361	Square meters
" "	3.228×10^{-7}	Square miles
Temp. (°C.) + 273	1	Abs. temp. (°C.)
" " + 17.78	1.8	Temp. (°F.)
" (°F.) + 460	1	Abs. temp. (°F.)
" " − 32	5/9	Temp. (°C.)
Tons (long)	1,016	Kilograms
" "	2,240	Pounds
" "	1.12000	Tons (short)
Tons (metric)	10^{3}	Kilograms
"	2,205	Pounds
Tons (short)	2,000	Pounds
" "	32,000	Ounces
" "	907.18486	Kilograms
Tons (short)	2430.56	Pounds (troy)
" "	0.89287	Tons (long)
" "	29166.66	Ounces (troy)
" "	0.90718	Tons (metric)
1 / Tons dry solids/24 hrs	Area (sq. ft.)	Sq. ft./ton/24 hrs.
Tons of water/24 hrs	83.333	Pounds water/hour
" " " "	0.16643	Gallons/min.
" "	1.3349	Cu. ft./hr.
Watts	0.05692	B. T. Units/min.
"	44.26	Foot-pounds/min.
"	0.7376	Foot-pounds/sec.
"	1.341×10^{-3}	Horse-power
"	0.01434	Kg.-calories/min.
"	10^{-3}	Kilowatts
Watt-hours	3.415	British Thermal Units
"	2.655	Foot-pounds
"	1.341×10^{-3}	Horse-power-hours
"	0.8605	Kilogram-calories
"	367.1	Kilogram-meters
"	10^{-3}	Kilowatt-hours
Yards	91.44	Centimeters
"	3	Feet
"	36	Inches
"	0.9144	Meters

Table of Wrought Pipe Standard Dimensions

Size Inches	Diameters: External Inches	Diameters: Approximate Internal Inches	Nominal Thickness Inches	Circumference: External Inches	Circumference: Internal Inches	Transverse Areas: External Sq. Ins.	Transverse Areas: Internal Sq. Ins.	Transverse Areas: Metal Sq. Ins.	Length of Pipe Per Sq. Foot of: External Surface Feet	Length of Pipe Per Sq. Foot of: Internal Surface Feet	Length of Pipe Containing One Cubic Foot Feet	Nominal Weight Per Foot: Plain Ends	Nominal Weight Per Foot: Threaded and Coupled	Number Threads per Inch of Screw
⅛	.405	.269	.068	1.272	.845	.129	.057	.072	9.431	14.199	2533.775	.244	.245	27
¼	.540	.364	.088	1.696	1.144	.229	.104	.125	7.073	10.493	1383.789	.424	.425	18
⅜	.675	.493	.091	2.121	1.549	.358	.191	.167	5.658	7.747	754.360	.567	.568	18
½	.840	.622	.109	2.639	1.954	.554	.304	.250	4.547	6.141	473.906	.850	.852	14
¾	1.050	.824	.113	3.299	2.589	.866	.533	.333	3.637	4.635	270.034	1.130	1.134	14
1	1.315	1.049	.133	4.131	3.296	1.358	.864	.494	2.904	3.641	166.618	1.678	1.684	11½
1¼	1.660	1.380	.140	5.215	4.335	2.164	1.495	.669	2.301	2.767	96.275	2.272	2.281	11½
1½	1.900	1.610	.145	5.969	5.058	2.835	2.036	.799	2.010	2.372	70.733	2.717	2.731	11½
2	2.375	2.067	.154	7.461	6.494	4.430	3.355	1.075	1.608	1.847	42.913	3.652	3.678	11½
2½	2.875	2.469	.203	9.032	7.757	6.492	4.788	1.704	1.328	1.547	30.077	5.793	5.819	8
3	3.500	3.068	.216	10.996	9.638	9.621	7.393	2.228	1.091	1.245	19.479	7.575	7.616	8
3½	4.000	3.548	.226	12.566	11.146	12.566	9.886	2.680	.954	1.076	14.565	9.109	9.202	8
4	4.500	4.026	.237	14.137	12.648	15.904	12.730	3.174	.848	.948	11.312	10.790	10.889	8
4½	5.000	4.506	.247	15.708	14.156	19.635	15.947	3.688	.763	.847	9.030	12.538	12.642	8
5	5.563	5.047	.258	17.477	15.856	24.306	20.006	4.300	.686	.756	7.198	14.617	14.810	8
6	6.625	6.065	.280	20.813	19.054	34.472	28.891	5.581	.576	.629	4.984	18.974	19.185	8
7	7.625	7.023	.301	23.955	22.063	45.664	38.738	6.926	.500	.543	3.717	23.544	23.769	8
8	8.625	8.071	.277	27.096	25.356	58.426	51.161	7.265	.442	.473	2.815	24.696	25.000	8
8	8.625	7.981	.322	27.096	25.073	58.426	50.027	8.399	.442	.478	2.878	28.554	28.809	8
9	9.625	8.941	.342	30.238	28.089	72.760	62.786	9.974	.396	.427	2.294	33.907	34.188	8
10	10.750	10.192	.279	33.772	32.019	90.763	81.585	9.178	.355	.374	1.765	31.201	32.000	8
10	10.750	10.136	.307	33.772	31.843	90.763	80.691	10.072	.355	.376	1.785	31.240	35.000	8
10	10.750	10.020	.365	33.772	31.479	90.763	78.855	11.908	.355	.381	1.826	40.483	41.132	8
11	11.750	11.000	.375	36.914	34.558	108.434	95.033	13.401	.325	.347	1.515	45.557	46.247	8
12	12.750	12.090	.330	40.055	37.982	127.676	114.800	12.876	.299	.315	1.254	43.773	45.000	8
12	12.750	12.000	.375	40.055	37.699	127.676	113.097	14.579	.299	.318	1.273	49.562	50.706	8

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Abbeon Supply Co, 179-15 Jamaica Ave, Jamaica 3, N Y Axtel 7-5600
Ace Equipment Co, 400 W Kinzie St, Chicago 10, Ill Superior 70881
Acme Coppersmithing & Mach Co, Oreland, Pa Majestic 5-2500
Acme Industries Inc, 618 N Mechanic St, Jackson, Mich
Acme Protection Equipment Co, 3037 W Lake St, Chicago 12, Ill Sacramento 2-3817
Acme Steel Co, 2840 Archer Ave, Chicago 9, Ill Lafayette 3-2200
R P Adams Co Inc, 225 E Park Dr, Buffalo 17, N Y Victoria 2608
Admiral Tool & Die Co Inc, 45-14 Vernon Blvd, L I C 1, N Y Stillwell 4-7190
Aerodyne Development Corp, 879 Addison Rd, Cleveland 3, Ohio Express 1-3377
Aerofin Corp, 410 S Geddes St, Syracuse 1, N Y 76-2126
Aeroquip Corp, 300 S E Ave, Jackson, Mich 2-0361
Aetna Scientific Co, 2 & Spring St, Everett 49, Mass 7-5259
Wm Aimsworth & Sons Inc, 2151 Lawrence St, Denver 2, Col Alpine 1723
Air Conditioning, York Corp, York, Pa 81-131
Air Devices Inc, 17 E 42 St, N Y 17 Vanderbilt 6-1520
Air Products Inc, Emanus, Pa
Air Reduction Co Inc, 60 E 42 St, N Y 17 Murray Hill 2-8700
Airborne Conveyors Corp, 99 Hudson St, N Y 13 Digby 9-4382
Airetool Mfg Co, 362 S Center St, Springfield, Ohio 3-4988
Ajax Elec Co Inc, Frankford & Delaware Ave, Phila 23, Pa Nebraska 4-0548
Akron Metallic Gasket Co, 150-164 N Union St, Akron, Ohio Jefferson 7184
Aldrich Pump Co, Allentown, Pa 4-7277
Allegheny Ludlum Steel Corp, 2020 Oliver Bdg, Pittsburgh 22, Pa Grant 1-1085
Allen Electrolytic Cell Corp, 57 Exchange, Portland, Me 3-4507
Allen-Bradley Co, 136 W Greenfield Ave, Milwaukee 4, Wis Mitchell 5-5151
Allen-Sherman-Hoff Co, 259 E Lancaster Ave, Wynnewood, Pa Ardmore (Pa) 8400
Allied Metal Hose Co, 37-46 9 St, L I C 1, N Y Stillwell 4-5173
Allied Steel & Equipment Co, Dept N, Chester, N J 141
Louis Allis Co, 427 E Stewart St, Milwaukee 7, Wis SH 4-2510
Allis-Chalmers Mfg Co, 1126 S 70 St Milwaukee, 1, Wis Spring 4-3600
Amarillo, Tex, Amarillo Bldg 31766
Atlanta 3, Ga, 58 Broad N W Walnut 7116
Baltimore 2, Md, 10 Light St Plaza 1463
Beaumont, Tex, 490 Bowie St 2413
Birmingham 3, Ala, 1 Ave & 20 St 3-8211
Boston 16, Mass, 31 St James Ave Hubbard 2-3700
Buffalo 2, N Y, Main & Court Sts Washington 1741
Charleston 1, W Va, Cor Summers & Lee Capital 39-505
Charlotte 2, N C, 212 S Tryon St 2-3188
Chattanooga 2, Tenn, 737 Market St 7-4495
Chicago 3, Ill, 135 S LaSalle St Franklin 2-6480
Cincinnati 2, Ohio, 617 Vine St Main 3347
Cleveland 14, Ohio, E 9 & Superior Sts Main 5183
Dallas 2, Tex, 1800 N Market St Central 7144
Davenport, Iowa, 326 W 3 St 3-9793
Denver 1, Col, 1920 Market St Cherry 6556
Detroit 2, Mich, W Grand Blvd & 2 Blvd Trinity 1-2300
Duluth 2, Minn, 10 E Superior St Melrose 8280
El Paso, Tex, Corner Oregon & Mills Sts 3-7439
Evansville 9, Ind, 125 Locust St 2-9005
Fort Worth 1, Tex, 408 W 7 St 2-5083
Grand Rapids 2, Mich, 5-7 Lyon St N Y 9-3015
Houston 3, Tex, 1719 McKinney Ave Preston 7183
Indianapolis 4, Ind, 11 S Meridian St Riley 6415
Jackson, Mich, 297 W Michigan Ave 2-2419
Jacksonville, Fla, 422 W Duval St 4-3117
Kansas City 6, Mo, 6 E 11 St Victor 0132
Knoxville 2, Tenn, 531 S Gay St 2-2165
Los Angeles 13, Cal, 458 S Spring St Madison 6-2231
Louisville 2, Ky, 5 & Jefferson Sts Clay 7656
Memphis 3, Tenn, 46 N 3 St 5-0583
Miami 32, Fla, 327 N E 1 Ave 2-7744
Milwaukee 2, Wis, 715 N Van Buren St Marquette 8-4729
Minneapolis 2, Minn, 821 Marquette Ave Main 7559
New Haven 10, Conn, 157 Church St 7-1176
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N Y 7, 50 Church St Beekman 3-9100
Newark 2, N J, 1060 Broad St Market 3-7170
Oklahoma City, Okla, 901 W Grand St 79-2568
Omaha 8, Neb, 9 & Farnam Sts Atlantic 1668
Phila 3, Pa, 1617 Pa Blvd Rittenhouse 6-9606
Phoenix, Ariz, 45 W Jefferson St 3-5446
Pittsburgh 19, Pa, 421 7 Ave Atlantic 1-4154
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Richmond 19, Va, 527 E Main St 3-6646
Rochester 4, N Y, 89 East Ave Baker 7510
Rockford, Ill, 303 N Main St Main 5-5721
St Louis 3, Mo, 1205 Olive St Central 4313
Salt Lake City 1, Utah, 134 S Main St 3-1723
San Antonio 8, Tex, Commerce & Main Ave G-7022
San Diego, Cal, 735 Bank of America Bldg Franklin 98398
San Francisco 7, Cal, 650 Harrison St Douglas 2-8384
Seattle 1, Wash, 1318 4 Ave Main 3797
Shreveport 23, La, 624 Travis St 2-6404
Spokane 8, Wash, W 428 Riverside Main 4677
Syracuse 2, N Y, 472 S Salina St 3-0147
Tampa 2, Fla, 405 S Morgan St 2-8371
Toledo 4, Ohio, Summit at Madison Adams 5269
Tulsa 3, Okla, 320 E Archer St 4-9163
Washington 5, D C, 15 & H Sts Executive 2800
Wilkes-Barre, Pa, Market & Franklin Sts, W B 3-2413
York, Pa, 42 E King St 6642
Youngstown 3, Ohio, 25 E Boardman St 3-5175

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Alloy Steel Products Co, 1300 W Elizabeth Ave, Linden, N J 2-4600
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N Y, 12 E 41 St Lexington 2-1472
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Alvey-Ferguson Co Inc, 75 Disney St, Cincinnati 9, Ohio Redwood 7000
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Artisan Metal Products Inc, 73 Pond St, Waltham 54, Mass 5-6800
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Associated Cooperate Industries of America Inc, 408 Olive St, St Louis 2, Mo Chestnut 6272-3
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Atlantic Pump Corp, 4272 Wissahickon Ave, Phila 32, Pa BA 3-2850
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A Beach, 544 Union Ave, Bklyn 11, N Y

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Bell & Gossett Co, Morton Grove, Ill 3700

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Bemis Bro Bag Co, 111 N N 4 St, St Louis 2, Mo Chestnut 0900

Berlin Chapman Co, Berlin, Wis 100

Besler Corp, 4053 Harlan St, Emeryville, Cal Olympic 2-0921

Beta Elec Corp, 333 E 103 St, N Y 29 Enright 9-8520

Bethlehem Apparatus Co, 890 Front St, Hellertown, Pa 8-2131

Bethlehem Steel Co, Bethlehem, Pa 7-2424

Bigelow-Liptak Corp, 2842 W Grand Blvd, Detroit 2, Mich TR 5-9350

Bin-Dicator Co, 13946 Kercheval Ave, Detroit, Mich Valley 2-6952

Binks Mfg Co, 3114 Carroll Ave, Chicago 12, Ill Van Buren 6-4200

Bird Mach Co, S Walpole, Mass 400

Black Light Products, 67 E Lake St, Chicago, Ill Randolph 6-3193

Black, Sivalls & Bryson Eng, 15 N Cincinnati St, Tulsa, Okla

Black, Sivalls & Bryson Inc, 7500 E 12 St, Kansas City 3, Mo BE 7200

Blackburn-Smith Mfg Co, Seaboard Trust Bldg, Hoboken, 3-4425

Blackmer Pump Co, 1809 Century Ave S W, Grand Rapids, 9, Mich 5-9211

Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa Atlantic 1-5700

Birmingham 3, Ala, Brown-Marx Bldg 3-4931
Chicago 3, Ill, 607 Peoples Gas Bldg Harrison 7-7633
N Y 17, 342 Madison Ave Vanderbilt 6-0661
Phila 3, Pa, Broad St Sta Bldg Rittenhouse 6-1681
Tulsa, Okla, 540 E 5 Tulsa 4-6471
Washington 4, D C, Wire Bldg Republic 3142

S Blickman Inc, 3100 Gregory Ave, Weehawken, N J Union 3-0800

Bodinson Mfg Co, 2401 Bayshore Blvd, San Francisco 24, Cal Juniper 5-9641

T L Bonnitt, 336 W 42 St, N Y 18

Bonney Forge & Tool Works, Durham & Meadow Sts, Allentown, Pa 3-4187

Bonnot Co, Canton 2, Ohio 46171

Boston-Woven Hose & Rubber Co, 29 Hampshire St, Cambridge, Mass

Bowen Engrg Inc, North Branch, N J Somerville 8-3232

Bower Roller Bearing Co, 3040 Hart Ave, Detroit 14, Mich VA 2-7300

Bowser Inc, 1307 E Creighton Ave, Fort Wayne, Ind H-2341

W H Brady Co, 16 E Spring St, Chippewa Falls, Wis 5536

Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill Harrison 7-8644

Branson Instruments Inc, 436 Fairfield Ave, Stamford, Conn 3-4907

I N Breetwor & Associates, 4005 Wilshire Blvd, Los Angeles 5, Cal DU 4-3779

Bridgeport Brass Co, Bridgeport, Conn 4-1192

Bristol Co, Platts Mills, Waterbury, Conn 3-5151

British-American Carbon Corp, 18 E 48 St, N Y Eldorado 5-6200

Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky Wabash 5096

Brookfield Engrg Labs, 203 Porter St, Stoughton, Mass 1130

Bronner Mfg Co, 1821 Broad St, Utica 1, N Y 4-2131

Brosites Mach Co, 50 Church St, N Y 7 Digby 9-3600

Brown Fintube Co, Elyria, Ohio 2301

Brush Development Co, 3311 Perkins Ave, Cleveland 14, Ohio Endicott 1-3315

Bryant Industrial Div, 17825 St Clair Ave, Cleveland 10, Ohio Ivanhoe 1-8000

Buckeye Cooperage Co, 3800 Orange Ave, Cleveland 15, Ohio Utah 1-8833

Buell Engrg Co, 70 Pine St, N Y 5 Whitehall 4-8989

Buffalo Meter Co, 2917 Main St, Buffalo 14, N Y

Buffalo Pumps Inc, 465 Broadway, Buffalo 5, N Y

Buffalo Weaving & Belting Co, 260 Chandler St, Buffalo 7, N Y Riverside 7223

Buffovak Equipment Div, 1579 Filmore Ave, Buffalo 11, N Y Filmore 2100

Chicago 4, Ill, 1636 Monadnock Bldg Webster 9-4189
N Y 17, 295 Madison Ave Lexington 2-6802
Oakland 12, Cal, 1706 Broadway Templebar 2-1253
St Louis 3, Mo, 2217 Olive St Chestnut 6389

Builders Providence Inc, 345 Harris Ave, Providence 1, R I Gaspee 1-4302

E D Bullard Co, 275 B St, San Francisco 3, Cal Underhill 1-5630

Burdette Mfg Co, 3453 W Madison St, Chicago 24, Ill SA 2-0700

Burgess Vibrocrafters Inc, 180 N Wabash Ave, Chicago 1, Ill Randolph 6-3647

Burrell Corp, 2223 S Ave, Pittsburgh 19, Pa GR 1-2527

Burt Mach Co, 401-03 E Oliver St, Baltimore, Md Saratoga 2120

E W Buschman Co, Clifton & Spring Grove Ave, Cincinnati 32, Ohio Mulberry 1600

L H Butcher Co, 3628 E Olympic Blvd, Los Angeles 23, Cal Angelus 2-4101
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Seattle, Wash

Butler Mfg Co, 7400 E 13 St, Kansas City, Mo Benton 7400

A M Byers Co, Clark Bldg, Pittsburgh, Pa Atlantic 1-8110

C

Farley M Caldwell, 1107 Richwood Ave, Cincinnati 26, Ohio

W E Caldwell Co Inc, 2530 Brook St, Louisville, Ky Calhoun 2576

Calumet & Hecla Consolidated Copper Co, 1850 Guardian Bldg, Detroit 26, Mich

Cambridge Tile Mfg Co, P O Box 71, Cincinnati 15, Ohio Valley 4180

Cambridge Wire Cloth Co Inc, 1518 Washington Blvd, Cambridge, Mass 1033

Camco Products Inc, 25 Fox St, New Haven, Conn SP 6-0898

Cameron Iron Works Inc, P O Box 1212, Houston 3, Tex Victor 4411

Camster Co, Inc, Phillipsburg, N J 5-1171

Cans Inc, 3217 W 47 Pl, Chicago 32, Ill Frontier 6-2700

Carborundum Co, Niagara Falls, N Y 6631

Carlon Products Corp, 10225 Meech Ave, Cleveland 5, Ohio Broadway 1-6565

G O Carlson Inc, Thorndale, Pa Coatesville 2800

Carpenter Container Corp, P O Box 398, Lindenhurst, N Y 2520

Carpenter Sales Corp, 9518 Detroit Ave, Cleveland 2, Ohio Atlantic 1-5757

Carpenter Steel Co, 101 W Bern St, Reading, Pa 4-8211

Union, N J, Springfield Rd

Carrier Corp, 300 S Geddes St, Syracuse 1, N Y 76-3161

Ceilcote Co, 4832 Ridge Rd, Cleveland 9, Ohio Shadyside 1-4220

Ceilulo Co, 2100 1 St, Sandusky, Ohio 2030

Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill Wellington 5-8600

Century Elec Co, 1806 Pine St, St Louis 3, Mo Central 4920

Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis Evergreen 4-3000

Chapman Valve Mfg Co, 203 Hampshire St, Indian Orchard, Mass Springfield 8331
Atlanta 3, Ga, 452 Spring St N W Walnut 3410
Boston 10, Mass, 75 Federal St Hubbard 2-8974
Chicago 6, Ill, Daily News Bldg, 400 W Madison St Randolph 6-5905
Cleveland 14, Ohio, 1740 E 12 St Cherry 4108
Houston, Tex, 1503 Petroleum Bldg Houston PR-0046
Los Angeles 23, Cal, 609 S Anderson St Angelus 12-188
N Y, Woolworth Bldg, 233 Broadway Barclay 7-4033
Phila 7, Pa, Liberty Trust Bldg, Broad & Arch Sts Locust 7-3748
Pittsburgh, Pa, 805 Clark Bldg, 717 Liberty Ave Atlantic 1-1142
St Louis, Mo, 708 Shell Bldg, 13 & Locust Sts Chestnut 2113
San Francisco, Cal, 564 Bryant St Sutter 1-1934
Syracuse 2, N Y, 824 University Bldg 2-5341
Washington, D C, 4124 Edmunds St N W Woodley 1997

Chase Bag Co, 309 W Jackson Blvd, Chicago 6, Ill HA 7-5740

Chase Brass & Copper Co Inc, 236 Grand St, Waterbury 20, Conn 4-0161

Chelsea Products Inc, 639 South Ave, Plainfield, N J 5-3500

Chemical Corp, 54 Waltham Ave, Springfield 9, Mass 9-5601

Chemical Construction Corp, 488 Madison Ave N Y 20 Murray Hill 8-2370

Chemical Engrg Service, 3471½ S Washington, Green Bay, Wis Howard 7540

Chemicolloid Labs Inc, 30 Church St, N Y Digby 9-2790

Chemsteel Construction Co Inc, 500 Chemsteel Bldg, Pittsburgh 32, Pa MU 1-7500

Chemtech Products Corp, 62 William St, N Y 5 Digby 4-9655

Cherry-Burrell Corp, 427 W Randolph St, Chicago 6, Ill Dearborn 2-7900

Chicago Eye Shield Co, 2304 Warren Bldg, Chicago, Ill Chesapeake 3-4300

Chicago Gasket Co, 1275 W North St, Chicago, Ill Armitage 6-3300

Chicago Metal Hose Co, 1315 S 3 St, Maywood, Ill Mansfield 6-3664

Chicago Pneumatic Tool Co, 5 E 44 St, N Y 17 Vanderbilt 6-1700

Chicago Pump Co, 2336 Wolfram St, Chicago 18, Ill Brunswick 8-4110

Chicago Stainless Equipment Co, 5001 Elston Ave, Chicago 30, Ill

Chiksan Co, Brea, Cal Jasper 9-2121

Christian Becker Inc, Clifton, N J Gregory 3-6900

Cincinnati Industries Inc, 502 Station Ave, Cincinnati 5, Ohio VA 2865

Alan A Claflin, 2 Storer St, Boston 10, Mass LI 2-5944

Clark Bros Co Inc, Olean, N Y 22101

Clark Mfg Co, 1830 E 38 St, Cleveland 14, Ohio Express 1-1414

Clayton Mfg Co, Box 550, El Monte, Cal CU 3-4131 (L A)

A Cleary Corp, Highland Park, N J New Brunswick 2-8000

Cleaver-Brooks Co, 326 E Keefe Ave, Milwaukee 13, Wis Woodruff 2-0100

Cleveland Container Co, 6201 Barberton Ave, Cleveland 2, Ohio OL 1-4500

Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio WO 1-8293

Cleveland Vibrator Co, 2864 Clinton Ave, Cleveland 13, Ohio CH 1-4592

Cleveland Wire Cloth & Mfg Co, 3573 E 78 St, Cleveland 5, Ohio DI 1-1832

Cleveland Worm & Gear Co, 3288 80 St, Cleveland 4, Ohio Vulcan 3-4560

James B Clow & Sons, 201-299 N Talman Ave, Chicago 80, Ill Kedzie 3-4040

Cochrane Corp, 3154 N 17 St, Phila 32, Pa RA 5-2144

Coleman Instruments Inc, 318 Madison Ave, Maywood, Ill 8574

Colonial Alloys Co, Ridge Ave & Crawford St, Phila 29, Pa

Colorado Asbestos & Mining Co, 200 Plain St, S Braintree 85, Mass Braintree 2-3214

Colorado Fuel & Iron Corp, P O Box 1920, Denver 1, Col

Colson Equipment & Supply Co, 1317 Willow St, Los Angeles 13, Cal

Combustion Engrg-Superheater Inc, Raymond Pulverizer Div, 1308 N Branch St, Chicago 22, Ill Michigan 2-4100

Combustion Engrg-Superheater Inc, 200 Madison Ave, N Y 16

Commercial Filters Corp, 18 W 3 St, S Boston 27, Mass

Condenser Service & Engrg Co Inc, 95 River St, Hoboken, N J

Combustion Engrg-Superheater Inc, Raymond Pulverizer Pasadena 8, Cal Ryan 1-8421

Consolidated Packaging Machy Corp, 1400 West Ave, Buffalo 13, N Y Lincoln 0163

Continental Can Co Inc, 975 Glenn St, Van Wert, Ohio 2611
Atlanta 5, Ga, 267 E Paces Ferry Rd, N E Cherokee 9360
Chicago 3, Ill, 135 S LaSalle St Andover 3-4900
Cleveland 14, Ohio, 1721 NBC Bldg Cherry 7326
Eau Claire, Wis, 3214½ Eau Claire St 3718
Los Angeles 17, Cal, 1120 Wilshire Blvd Madison 6-7611
N Y 18, 330 W 42 St Longacre 3-3886
Phila 7, Pa, 12 S 12 St Market 7-7900
Pittsburgh 19, Pa, 2615 Grant Bldg Court 1-5702
St Louis 1, Mo, 411 N 7 St Chestnut 1411
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Tonawanda, N Y, 2122 Colvin Blvd 4000

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Continental Gin Co, P O Box 2614, Birmingham 2, Ala 9-1141

Continental Steel & Copper Ind Inc, 500 Market St, Perth Amboy, N J 4-4800

C Lee Cook Mfg Co, 76 Beaver St, N Y 5 Whitehall 4-2438

Cook Elec Co, 2700 Southport St, Chicago 14, Ill Diversey 8-6700

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Cooper-Bessemer Corp, P O Box 751, Mt Vernon, Ohio 18

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Coprox Inc, 1270 6 Ave, N Y 20 Circle 7-0670

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Crown Can Co, H St & Erie Ave, Phila, Pa Jefferson 3-5000

Crown Cork & Seal Co, Eastern Ave & Kresson St, Baltimore 3, Md

Crucible Steel Co of America, 405 Lexington Ave, N Y 17 Murray Hill 6-7160

Cuno Engrg Corp, 80 S Vine St, Meridan, Conn 5-5771

Curtis Mfg Co, 1905 Kienlen Ave, St Louis 20, Mo ER 1300

Custodis Construction Co Inc, 25 Broadway, N Y 4 Digby 4-1924

Cutler-Hammer Inc, 315 N 12 St, Milwaukee 1, Wis Marquette 8-7800

Cyclotherm Corp, 157 E 1 St, Oswego, N Y 666

D

Darling Valve & Mfg Co, Ft of Walnut St, Williamsport 61, Pa 6124

Davies Young Soap Co, 705 Albany St, Dayton, Ohio Michigan 6591

Davis Emergency Equipment Co Inc, 43 Halleck St, Newark 4, N J Humboldt 2-3660

Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J 2-6780
N Y 20, 30 Rockefeller Plaza Circle 6-5650

Day Co, 810 3 Ave N E, Minneapolis 13, Minn Geneva 9671

J H Day Co Inc, 1144 Harrison Ave, Cincinnati 22, Ohio Garfield 3730

Dayton Rubber Mfg Co, 2342 W Riverview Ave, Dayton 1, Ohio RA 1111

De Laval Steam Turbine Co, 853 Nottingham Way, Trenton 2, N J

Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill Whitehall 4-3273
Cincinnati, Ohio, 1101 Union Central Bldg Main 1486
Denver, Col, Equitable Bldg Race 9117
Detroit, Mich, 3240 Book Tower Woodward 3-6219
Indianapolis, Ind, 1011 Chamber of Commerce Bldg Plaza 7582
Los Angeles, Cal, 807 Mateo Trinity 3385
N Y, 205 E 42 St Murray Hill 4-2812
Pittsburgh, Pa, 1512 Farmers Bank Bldg Atlantic 1-0399
St Louis, Mo, 1218 Olive St Main 2316
San Francisco, Cal, 383 Brannan St Sutter 1-8688
Seattle, Wash, 1990 Alaskan Way Seneca 4100
Tulsa, Okla, 208 Midco Bldg 9-6241

Deming Co, Salem, Ohio 8744

Denison Engrg Co, 1160 Dublin Rd, Columbus 16, Ohio Kingswood 1191

Denver Equipment Co, 1400 17 St, Denver 17, Col Cherry 4466

Denver Fire Clay Co, 2301 Blake St, Denver 17, Col Tabor 0251

Despatch Oven Co, 619 S E 8 St, Minneapolis, Minn Gladstone 1351

Detrex Corp, 14331 Woodrow Wilson Ave, Detroit 32, Mich Townsend 8-8600

J P Devine Mfg Co, 49 & A V R R, Pittsburgh, Pa Schenley 1-5740

Dezurik Shower Co, Sartell, Minn

Diamond Chain Co Inc, 400 Kentucky Ave, Indianapolis 7, Ind Franklin 1311

Diamond Chain Co Inc, Indianapolis 7, Ind

Diehl Mfg Co, 1181 Finderne Ave, Somerville, N J 8-2200

Harry W Dietert Co, 9330 Roselawn Ave, Detroit 4, Mich Webster 3-9790

W C Dillon & Co Inc, 1421 S Circle Ave, Forest Park, Ill Mansfield 6-4888

Distillation Products Industries Div, Eastman Kodak Co, Rochester 3, N Y Glenwood 1877

Dollinger Corp, 11 Center Park, Rochester 4, N Y BA 9405

Dorr Co, Barry Pl, Stamford, Conn 4-1151
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Chicago 1, Ill, 221 N LaSalle St
Dallas 2, Tex, 1330 N Industrial Blvd
Denver 2, Col, Cooper Bldg
Los Angeles 14, Cal, 811 W 7 St
N Y 22, 570 Lexington Ave
Phila 7, Pa, 12 S 12 St
St Paul 4, Minn, 2631 University Ave
San Francisco, Cal, 420 Market St
Seattle 1, Wash, 205 Lenora St

Downingtown Iron Works Inc, Downingtown, Pa

J E Doyle Co, 1220 W 6 St, Cleveland 13, Ohio Cherry 1-5924

Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y South 8-3801-2

Dracco Corp, 4063 E 116 St, Cleveland 5, Ohio Vulcan 3-7000

Dresser Industries, Bradford, Pa

E I Du Pont de Nemours & Co Inc, Electrochem Dept, Wilmington 98, Del 4-5121
Baltimore 2, Md, 321 Fallsway Plaza 2862
Boston 10, Mass, 140 Federal St Hancock 6-1714
Charlotte 2, N C, 427 W 4 St 5-5561
Chicago 3, Ill, 7 S Dearborn St Andover 3-7000
Cincinnati 2, Ohio, 2412 Carew Tower Parkway 5253
Cleveland 14, Ohio, 1226 National City Bank Bldg Cherry 1-6078
Detroit 26, Mich, 966 Penobscot Bldg Woodward 2-7360
El Monte, Cal, P O Box 70 Cumberland 3-2761
N Y 1, 350 5 Ave Longacre 3-6440
Phila 3, Pa, 1616 Walnut St Kingsley 5-1900
Pittsburgh 22, Pa, 517 Park Bldg Grant 1-2960
San Francisco 6, Cal, 111 Sutter S Exbrook 2-6230

Duraloy Co, Scottdale, Pa 192

Durametallic Corp, 2104 Factory St, Kalamazoo 24, Mich

Duriron Co Inc, 450 N Finlay St, Dayton 1, Ohio

W H Dyer Co Inc, 2111 Railway Exchange Bldg, St Louis, Mo Garfield 1090

E

E & M Enterprises Inc, Middleport, N Y

Eagle-Picher Co, American Bldg, Cincinnati 1, Ohio

Eastern Industries Inc, 296 Elm St, New Haven, Conn 8-0165

Eastern Stainless Steel Co, 122 Rolling Mill Ave, Baltimore 3, Md Eastern 7466

Easy Industries, 162 N Clinton St, Chicago 6, Ill RA 6-5346

Eberbach Corp, 200 E Liberty St, Ann Arbor, Mich 2-5634

Eclipse Fuel Engrg Co, 703 S Main St, Rockford, Ill 2-5561

Eco Engrg Co, 12 N Y Ave, Newark 1, N J Mitchell 2-2553

Economic Machy Co, 8 Grafton St, Worcester, Mass 3-7228

Economy Engrg Co, 4511 W Lake St, Chicago 24, Ill Estebrook 8-9110

Edgemoor Iron Works, Edgemoor, Del Wilmington 7151

Edmont Mfg Co, 516 Orange St, Coshocton, Ohio 1867

Edward Valves Inc, 1200 145 St, E Chicago, Ind Essex 5-1235

Edwards Mfg Co, 5 & Butler Sts, Cincinnati 2, Ohio Cherry 4500

Eimco Corp, 634 S 4 W St, Salt Lake City 4, Utah 5-3466

Elec Auto-Lite Co, 1200 S Champlain St, Toledo 1, Ohio Adams 3131

Electra Motors Inc, 1110 N Lemon St, Anaheim, Cal

Electric Furnace Co, Salem, Ohio Salem 4661

Electric Hotpack Co Inc, 5035 Cottman Ave, Phila 35, Pa Devonshire 3-1700

Electric Machy Mfg Co, 1331 N E Tyler St, Minneapolis 13, Minn GR 2471

Electric Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore Atwater 2141

Electro Chem Engrg & Mfg Co, 752 Broad St, Emmaus, Pa 770

Electro Lift Inc, 30 Church St, N Y 7 Worth 2-4855

Electro Refractories & Abrasives Corp, 344 Delaware Bldg, Buffalo, N Y Washington 5259

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Ess Instrument Co, 96 S Washington Ave, Bergenfield, N J DuMont 4-3411
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Everlasting Valve Co, 49 Fiske St, Jersey City 5, N J Delaware 3-8000
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Fairbanks Co, 393 Lafayette St, N Y 3 Spring 7-8800
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill Harrison 7-7100
Fairfield Engrg Co, Marion, Ohio 2-2117
Falk Corp, 3100 W Canal St, Milwaukee 8, Wis DI 2-3131
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Farris Engrg Corp, 400 Commercial Ave, Palisades Park, N J
Farval Corp, 3288 E 80 St, Cleveland 4, Ohio Vulcan 3-4560
Federal Elec Products Co, 50 Paris St, Newark 5, N J Market 3-6500
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Fenwall Inc, 215 Pleasant St, Ashland, Mass Framingham 6177
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Formica Co, 4620 Spring Grove Ave, Cincinnati 32, Ohio Kirby 3670
Foster Pump Works Inc, 55 Washington St, Bklyn 1, N Y TR 5-1842
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Fulton Bag & Cotton Mill, Box 1726, Atlanta 1, Ga Main 1111
Fumeral Co, P O Box 239, Racine, Wis 4-5330

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Galigher Co, 545 W 8 South St, Salt Lake City 4, Utah 9-8731
Jersey City 6, N J, 921 Bergen St Journal Square 2-0859
Gardner-Denver Co, 5 Front St, Quincy, Ill 5400
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Gasoline Plant Construction Corp, Neils Esperson Bldg, Houston 2, Tex Capitol 0303
Gates Engrg Co, Box 1711, Wilmington, Del
Gates Rubber Co, 999 S Broadway, Denver 17, Col Sherman 1911
Gatke Corp, 228 N LaSalle St, Chicago 1, Ill
Gaylord Container Corp, 111 N 4 St, St Louis 2, Mo Central 4600
Sam S Gelber Co, 162 N Clinton St, Chicago 6, Ill AN 3-5829
General Alloys Co, 405 W 1 St, Boston, Mass South Boston 8-1710
General American Trans Corp, Louisville Drying Mach Unit, 139 S 4 St, Louisville 2, Ky Wabash 1331
General American Trans Corp, Field Bldg, Chicago 90, Ill Financial 6-4100
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Boston 16, Mass, 687 Boylston St Commonwealth 6-3203
Buffalo 3, N Y, Ellicott Sq Bldg Mohawk 8150
Chicago 5, Ill, 822 S Michigan Ave Wabash 2-3094
Cleveland 15, Ohio, 3224 Euclid Ave Express 1-0555
Columbus, Ohio, 81 E State St Adams 5683
Dallas 2, Tex, 1795 S Lamar St Riverside 3494
Denver 4, Col, 1162 Elati St Cherry 6776
Detroit 21, Mich, 14871 Wyoming Ave Webster 3-7432
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Minneapolis 2, Minn, Plymouth Bldg, 12 S 6 St Atlantic 5753
Newark 6, N J, 721 S Orange Ave Essex 2-8746
N Y 17, 101 Park Ave Murray Hill 5-5757
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St Louis 3, Mo, 2944 Washington Blvd Lucas 9357
San Francisco 7, Cal, 429 Bryant St Sutter 1-7580
Seattle 1, Wash, 2135 2 Ave Ellicott 3548
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Washington 6, D C, 1612 Eye St, N W District 1144
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Bloomfield, N J, 5 Lawrence St 2-7800
Bridgeport 2, Conn, 1285 Boston Ave
Cleveland 12, Ohio, Nela Park
Pittsfield, Mass, 1 Plastics Ave
Schenectady 5, N Y 4-2211
Syracuse, N Y, Electronics Park
General Elec X-Ray Corp, 4855 Electric Ave, Milwaukee 14, Wis Evergreen 3-3211
General Mach Co of N J, 398 Market St, Newark 5, N J
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Harrison, N J, Hyatt Bearings Div
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Glass Fibers Inc, 1810 Madison Ave, Toledo, Ohio Adams 3164
Fritz W Glitsch & Son, 4800 Singleton Blvd, Dallas 12, Texas Federal 3221
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J LE 2-7600
Goggle Parts Co Inc, 1468 W 9 St, Cleveland 13, Ohio Cherry 1-3950
Golden-Anderson Valve Specialty Co, 207 Keenan Bldg, Pittsburgh 22, Pa Atlantic 1-5946
Goldsmith Bros Smelting & Refg Co, 109 N Wabash Ave, Chicago, Ill
Goodall Rubber Co Inc, 400 Whitehead Rd, Trenton 4, N J 2-6175
Goodyear Tire & Rubber Co Inc, 1144 E Market St, Akron 16, Ohio
Gorman-Rupp Co, Mansfield, Ohio 4219-6
Goshin-Birmingham Mfg Co, Box 631, Birmingham, Ala 54-7511
Goulds Pumps Inc, 304 Fall St, Seneca Falls, N Y 354
Gow-Mac Instrument Co, 22 Lawrence St, Newark 5, N J Market 3-0708
Graham Mfg Co Inc, 415 Lexington Ave, N Y 17 Murray Hill 2-8770
Graphite Metallizing Corp, 1008 Nepperhan Ave, Yonkers, N Y 8-8400
Graton & Knight Co, 356 Franklin St, Worcester 4, Mass 2-5661
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind Saginaw 1-5090
Graver Water Conditioning Co, 216 W 14 St, N Y 11 WA 4-2321
Gray Co Inc, 60 11 Ave N E, Minneapolis 13 Minn Geneva 9333
Graymills Corp, 1948 Ridge Ave, Evanston, Ill UN 4-7800
Great Lakes Carbon Corp, Dicalite Div, 612 S Flower St, Los Angeles 17, Cal Madison 9-1611
Great Western Mfg Co, Leavenworth, Kan 294 & 94
Green Fuel Economizer Co Inc, Beacon, N Y 316
Greene Mfg Co, 2100 Fairmount Ave, Phila 30, Pa
Emil Greiner Co, 20-26 N Moore St, N Y 13 Digby 9-0660
Washington, D C, 1835 Jefferson Pl N W Republic 5539
Grief Bros Cooperage Corp, 175 E Hoffman Ave, Lindenhurst, N J 2520
Grinnell Co Inc, 260 W Exchange St, Providence 1, R I Dexter 1-5800
Griscom-Russell Co, Massillon, Ohio
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill Belmont 5-0096
Gruendler Crusher & Pulverizer Co, 2911-19 Market St, St Louis 3, Mo Newsted 1220
Gulf State Paper Corp, Tuscaloosa, Ala
B G Gump Co, 1347 S Cicero Ave, Chicago 50, Ill Bishop 2-3050
Gustin-Bacon Mfg Co, 1412 W 12 St, Kansas City 7, Mo Harrison 7788

H

George Halss Mfg Co Inc, 381 Canal Pl, Bronx 51, N Y Mott Haven 5-2200
C P Hall Co of Illinois, 5145 W 67 St, Chicago, Ill PO 7-4600
Akron 8, Ohio, 2510 First National Tower Jefferson 5175
Los Angeles 21, Cal, 1340 E 6 St VanDyke 2022
Newark 5, N J, Bay Ave at Wheeler Pt Rd Market 2-2652

Hamilton Rubber Mfg Corp, Mead St, Trenton 3, N J 2-5101
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio 5-5661
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I Jackson 1-3300
Hammon Iron Works, 630 5 Ave, N Y 20 Circle 7-0617
Hammond Drierite Co, 120 Dayton Ave, Xenia, Ohio Main 178
Handy & Harman, 82 Fulton St, N Y 38
Hanley Co, 101 Park Ave, N Y 17 Murray Hill 9-4134
Hanna Engrg Works, 1765 Elston Ave, Chicago 22, Ill BR 8-2710
Hannifin Corp, 1138 S Kilbourn Ave, Chicago 24, Ill Nevada 8-0406
Hanovia Chem & Mfg Co, Chestnut & R R Aves, Newark, N J Mitchell 2-7142
Hansen Mfg Co, 4031 W 150 St, Cleveland 11, Ohio Clearwater 1-5115
Hanson-Van Winkle-Munning Co, Matawan, N J 1-1000
Hapman-Dutton Co, 630 Gibson S, Kalamazoo 6, Mich
Hardinge Co Inc, 240 Arch St, York, Pa
Harnischfeger Corp, 4400 W National Ave, Milwaukee 14, Wis
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill Monroe 6-6832
Harshaw Chem Co, 1945 E 97 St, Cleveland 6, Ohio Cedar 1-6300
Harvey Mach Co Inc, 19200 S Western Ave, Torrance, Cal Nevada 6-2111
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis Bluemound 8-3760
Hauck Mfg Co, 124-136 10 St, Bklyn 15, N Y South 8-7310
Hauser-Stander Tank Co, 4838 Spring Grove Ave, Cincinnati 32, Ohio Kirby 2375
Hawley Mfg Co, 1130 Lockwood Dr, Houston 20, Tex Orchard 1781
Haynes Stellite Co, 30 E 42 St, N Y 17
Hays Corp, E 8 St, Mich City, Ind 5-5241
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio AC 1-6560
Heintz Mfg Co, Front St & Olney Ave, Phila 20, Pa Livingston 8-1000
Hendrick Mfg Co, 75 Dundaff St, Carbondale, Pa 1600
Henszey Co, Watertown, Wis 1009
Hercules Filter Corp, 206 21 Ave, Paterson, N J Lambert 5-2414
Hetherington & Berner Inc, 701 Kentucky Ave, Indianapolis 7, Ind
Hevi Duty Elec Co, 4212 Highland Blvd, Milwaukee, Wis West 3-2756
Hewitt-Robins Inc, 370 Lexington Ave, N Y 17 Murray Hill 6-2400
Hewitt-Robins Inc, Robins Conveyors Div, 240 Passaic Ave, Passaic, N J
Hewitt-Robins Inc, Hewitt Rubber Div, 240 Kensington Ave, Buffalo 5, N Y
Hilliard Corp, 102 W 4 St, Elmira, N Y 3-9151
Hills-McCanna Co, 3025 N Western Ave, Chicago 18, Ill Graceland 2-1150
Hinde & Dauch Paper Co, 407 Decatur St, Sandusky, Ohio
Hodgson Engrg & Mfg Co, 1507 E 7 St, Tulsa 10, Okla 29419
Hollingsworth & Whitney, 60 Batterymarch St, Boston, Mass
Homer Mfg Corp, 142 E Pearl St, Lima, Ohio 40471
Honan Crane Corp, 409 Indianapolis Ave, Lebanon 1, Ind 50
Hopkins Mfg Co, 4445 Lawton Ave, Detroit, Mich TY 5-2865
F R Hormann & Co Inc, 17 Stone St, Newark 4, N J Humboldt 2-5397
A C Horn Co Inc, 10 St & 44 Ave, L I C 1, N Y Stillwell 6-1100
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col Tabor 7015
Frank G Hough Co, Libertyville, Ill LI 2-4000
E F Houghton & Co, 3033 W Lehigh Ave, Phila 33, Pa Regent 9-7100
Charlotte, N C, 825 W Morehead St 3-2916
Chicago, Ill, 3516-38 Shields Ave Boulevard 8-9200
Detroit, Mich, 803 Stephenson Bldg Trinity 3-4900
Pittsburgh, Pa, 907 Bessemer Bldg Atlantic 1-8759
San Francisco, Cal, Quint & Davidson Ave VA 4-3207
Howe Scale Co, Rutland, Vt
Hudson Engrg Corp, 2711 Danville St, Houston 6, Tex Justin 5461
K H Huppert Co, 6830 Cottage Grove Ave, Chicago 37, Ill MI 3-4770
Hydraulic Press Mfg Co, 3006 Marion Rd, Mt Gilead, Ohio 35
Hyster Co, 2902-91 N E Clackamas, Portland 8, Ore Tuxedo 5011

I

I L G Elec Ventilating Co, 2850 N Pulaski Ave, Chicago 41, Ill Kildaire 5-1520
Illinois Elec Porcelain Co, Box 272, Macomb, Ill 51
Illinois Testing Lab Inc, 420 N LaSalle St, Chicago 10, Ill Superior 7-5262
Illinois Water Treatment Co, 858 Cedar St, Rockford, Ill 2-8851
N Y 17, 141 E 44 St Murray Hill 7-7797
Illium Corp, P O Box 478, Freeport, Ill State 234
Independent Filter Press Co Inc, 249 48 St, Bklyn 20, N Y Gedney 9-5774
Indium Corp of America, 1676 Lincoln Ave, Utica, N Y 2-1139
Industrial Engrs, 8 Lister Ave, Newark 5, N J MA 3-7400
Industrial Filter & Pump Mfg Co, 5900 Ogden Ave, Chicago 50, Ill Bishop 2-1180
Industrial Instruments Inc, 17 Pollack Ave, Jersey City 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J MA 3-7400
Industrial Products Co, 3015 N 4 St, Phila 33, Pa Nebraska 4-2522
Industrial Tape Corp, Highway #1, New Brunswick, N J 2-7900
Industrol Corp, 472 Westfield Ave, E, Roselle Park, N J Chestnut 5-8400
Infilco Inc, Box 5033, Tucson, Ariz 3-5401
Ingalls Iron Works Co, 720 4 Ave S, Birmingham 2, Ala 4-3301
Ingersoll-Rand Co, Phillipsburg, N J
Inland Steel Container Co, P O Box 902, Milwaukee 1, Wis
Insto Gas Corp, 1977 E Woodbridge, Detroit 7, Mich Lorain 7-3181
Instruments Inc, Wright Bldg, Tulsa 3, Okla 5-5809
International Engrg Inc, Dayton 1, Ohio Adams 7275
Chicago 5, Ill, 407 S Dearborn Wabash 2-0733
N Y 7, 15 Park Row Barclay 7-5657
International Equipment Co, 1284 Soldiers Field Rd, Boston 35, Mass Stadium 2-7900
International Nickel Co Inc, 67 Wall St, N Y 5 Whitehall 4-1000
International Packings Corp, Bristol, N H
International Paper Co, 220 E 42 St, N Y 17
International Salt Co, Scranton Life Bldg, Scranton 2, Pa 2-3293
International Selling Corp, 70 Pine St, N Y Whitehall 4-7490
Irving Subway Grating Co, 50-37 27 St, L I C 1, N Y IR 6-8810
Irvington Varnish & Insulator Co, 6 Argyle Terrace, Irvington 11, N J Essex 3-4200
Island Equipment Corp, 27-01 Bridge Plaza N, L I C 1, N Y Stillwell 4-2341
I T E Circuit Breaker Co, 505 N 19 St, Phila 30, Pa Locust 7-1420

J

Jabsco Pump Co, 2031 N Lincoln St, Burbank, Cal Charleston 8-6661
Phila 6, Pa, 751 Drexel Bldg
Byron Jackson Co, P O Box 2017 Terminal Annex, Los Angeles 54, Cal Jefferson 6171
Jackson & Church Co, 321 W Hamilton St, Saginaw, Mich
Jacoby-Tarbox Corp, 810 Nepperhan Ave, Yonkers 3, N Y 5-8400
Jarrell-Ash Co, 165 Newbury St, Boston 16, Mass Kenmore 6-0243
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio UN 3171
C O Jelliff Mfg Corp, 200 Pequot Rd, Southport, Conn Fairfield 9-1615
Jenkins Bros, 80 White St, N Y 17
Jerguson Gage & Valve Co, Somerville, Mass Somerset 6-7500
William F Jobbins Inc, P O Box 230, Aurora, Ill 8648
Johns-Manville Sales Corp, 22 E 40 St, N Y 16 Lexington 2-7600
Johnson & Johnson, 4949 W 65 St, Chicago 38, Ill PO 7-0800
Johnston & Jennings Co, 4700 W Div St, Chicago 51, Ill Spaulding 2-9300
W A Jones Foundry & Mach Co, 4401 W Roosevelt Rd, Chicago 24, Ill Crawford 7-8820
Joy Mfg Co, Oliver Bldg, Pittsburgh 22, Pa GR 1-2145

K

Kaiser Aluminum & Chem Sales Inc, Kaiser Bldg, Oakland 12, Cal Twinoaks 3-4600
A Kates Co, 430 Waukegan Rd, Deerfield, Ill 950
Kaydon Engrg Corp, Muskegon, Mich 51-641
Kaye & MacDonald Inc, 15 Central Ave, W Orange, N J Orange 4-8060
Kearny Mfg Co Inc, Box 61, Kearny, N J 2-7800
Keasbey & Mattison Co Butler Ave, Ambler, Pa 1201
O C Keckley Co, 400 W Madison St, Chicago 6, Ill FR 2-4576
C M Kemp Mfg Co, 405 E Oliver St, Baltimore 2, Md Vernon 1166
David E Kennedy Inc, 58 2 Ave, Bklyn 15, N Y South 8-9500
Kennedy Car Liner & Bag Co, 16 Prospect Ave, Shelbyville, Ind 477
Kennedy Valve Mfg Co, 1021 E Water St, Elmira, N Y
Kerlow Steel Flooring Co, 222 Culver Ave, Jersey City 5, N J Bergen 4-5560
Kerotest Mfg Co, 2525 Liberty Ave, Pittsburgh 22, Pa Grant 1-2584
Kewaunee Mfg Co, End of S Center St, Adrian, Mich 1840
Key Co, 2701 McCasland, E St Louis, Ill Bridge 2400
Walter Kidde & Co Inc, 675 Main St, Belleville 9, N J 2-5000
Karl Kiefer Mach Co, 919 Martin St, Cincinnati 2, Ohio Main 3871
Kieley & Mueller Inc, 2033 43 St, N Bergen, N J
King Engrg Corp, 415 Detroit St, Ann Arbor, Mich
Kinnear Mfg Co, 200-250 Fields Ave, Columbus, Ohio
S P Kinney Engrs Inc, 201-2 Ave, Carnegie, Pa 2312
Kinney Mfg Co, 3529 Washington St, Jamaica Plain 30, Mass JA 4-3220
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
Koch Engrg Co Inc, 335 W Lewis St, Wichita 2, Kan 7-3325
Komline-Sanderson Engrg Corp, Peapack, N J 8-0474
Koppers Co Inc, Koppers Bldg, Pittsburgh 19, Pa
Chicago, Ill, 122 S Michigan Ave
Detroit, Mich, 154 Bagley Ave
Phila, Pa, Broad St Sta Bldg
San Francisco, Cal, 390 9 St
L O Koven & Bro Inc, 154 Ogden Ave, Jersey City 7, N J Journal Sq 4-8600 Ext 19
Kraft Bag Corp, 630 5 Ave, N Y 20
Kraftile Co, Niles, Cal 3611
Kuhns Bros Co, 1824 McAll St, Dayton 1, Ohio Fulton 8128

L

Laboratory Furniture Co Inc, P O Box 590, Mineola, N Y Garden City 7-1300
Ladish Co, Cudahy, Wis (Milwaukee) Humboldt 3-6700
Lamson Corp, Lamson St, Syracuse 1, N Y 73-0221
F A Langsenkamp Co, Indianapolis 25, Ind Imperial 4321
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill WH 4-1830
Lapp Insulator Co Inc, Le Roy, N Y 385
Lawrence Machine & Pump Corp, Market St No 371, Mass 2-4834
Lawrence Pump & Engrg Co, P O Box 70, Lawrence, Mass 2-5117
Layne & Bowler Inc, Box 6815 Hollywood Sta, Memphis 8, Tenn 7-4400
Lead Lined Iron Pipe Co, Wakefield, Mass CR 9-0020
Lebanon Steel Foundry, Lebanon, Pa 6060
Lecourtenay Co, Main & Ferry Sts, Newark 5, N J Market 3-2905
C Lee Cook Mfg Co, 76 Beaver St, N Y 5 Whitehall 4-2438
Lee Metal Products Co Inc, 368 W Pine St, Philipsburg, Pa 676
Leeds & Northrup Co, 4970 Stenton Ave, Phila 44, Pa
J M Lehman Co Inc, 550 N Y Ave, Lyndhurst, N J RU 2-7890

F Leitz Inc, 304 Hudson St, N Y 13 Algonquin 5-4677

Lenape Hydraulic Pressing & Forging Co, P O Box 536, W Chester, Pa

Leslie Co, Grant Ave, Lyndhurst, N J Rutherford 2-7830

Charles S Lewis & Co Inc, 2207 Pine St, St Louis 3, Mo Central 3653

G B Lewis Co, 426 Montgomery St, Watertown, Wis 9, 10

Lewis-Shepard Products Inc, 119 Walnut St, Watertown 72, Mass 4-5400

Lift Truck Inc, 2425 Spring Grove Ave, Cincinnati 14, Ohio Main 4054

Lilie-Hoffmann Cooling Towers Inc, 4239 Duncan Ave, St Louis 10, Mo Jefferson 3321

Lima Elec Co, Findlay Rd, Lima, Ohio 4-7391

Lincoln Elec Co, 22801 St Clair Ave, Cleveland 17, Ohio Ulster 1-3000

Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo Evergreen 5900

Linde Air Products Co, 30 E 42 St, N Y 17

Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash Seneca 8200
Phila, Pa, 2045 W Hunting Park Ave
Phila 20, Pa, 180 W Duncannon Ave MI 4-0450

Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis MI 5-5544

Liquid Carbonic Corp, 3112 S Kedzie Ave, Chicago 23, Ill Bishop 7-8000

Liquidepth Indicators Inc, 42-26 28 St, L I C 1, N Y

Arthur D Little Inc, Cambridge 42, Mass UN 4-9370

Littleford Bros Inc, 453 Pearl St, Cincinnati 2, Ohio Cherry 1137

Litton Industries, 1001 Britton Ave, San Carlos, Cal Lytell 3-3124

Locke Dept, Gen Elec Co, P O Box 57, Baltimore 3, Md PL 8020

Logan Co, 115 Franklin St, Louisville 6, Ky WA 1366

Logan Engrg Co, 4901 Lawrence Ave, Chicago 30, Ill

C W Logeman Co, 633 Bergen St, Bklyn 17, N Y

Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill DI 8-7475

Lovejoy Flexible Coupling Co, 5001 W Lake St, Chicago 44, Ill Mansfield 6-1300

Ludlow-Saylor Wire Co, 634 S Newstead Ave, St Louis 10, Mo Franklin 0636

Lukens Steel Co, 1949 Gillen St, Coatesville, Pa 2000

Lumenite Electronic Co, 407 S Dearborn St, Chicago 5, Ill HA 7-1272

Lummus Co, 385 Madison Ave, N Y 17 Plaza 9-1180

Lunkenheimer Co, Beekman St & Waverly Ave, Cincinnati 14, Ohio Wabash 3400

Luria Steel & Trading Corp, 332 S Mich Ave, Chicago 4, Ill Wabash 2-0250

Luzerne Rubber Co, Trenton 7, N J 4-5221

Lynchburg Foundry Co, Lynchburg, Va 4-2411

M

M R M Co Inc, 191 Berry St, Bklyn, N Y Evergreen 7-3936

Macbeth Corp, P O Box 950, Newburgh, N Y 7300

Magnetic Engrg & Mfg Co, Clifton, N J Prescott 7-8030

R C Mahon Co, 6565 E 8 Mile Rd, Detroit, Mich Jefferson 6-8200

Manganese Steel Forge Co, Richmond St & Castor Ave, Phila, Pa

Manning, Maxwell & Moore Inc, 250 E Main St, Stratford, Conn Bridgeport 3-5171

Marco Co Inc, 3 & Church St, Wilmington, Del 4-7734

Marine Fabricators Co, 1010 State St, Perth Amboy, N J 4-7500

Marley Co Inc, 222 W Gregory Blvd, Kansas City 5, Mo Emerson 2222
Kansas City 15, Kan, Fairfax & Marley Rds FI 1022

Marlo Co, 434 Broadway, N Y 13 Walker 5-1655

Marlo Coil Co, 6135 Manchester Ave, St Louis, Mo

Marlow Pumps, Box 566, Ridgewood, N J 6-6700

Jas P Marsh Corp, 3501 Howard St, Skokie, Ill 4300

E F Marsh Engrg Co, 4324 W Clayton St, St Louis 10, Mo Jefferson 4143

H S Martin & Co, 1916 Greenleaf Ave, Evanston, Ill
Vineland, N J, 2 & Grape Sts 7-2719

Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass Bluehills 8-4077

Master Elec Co, 126 Davis St, Dayton 1, Ohio

G Diehl Mateer & Co, Lincoln Highway, Devon, Pa Berwyn 0700

Matheson Co Inc, 337 Paterson Plank Rd, E Rutherford, N J Rutherford 2-9500

Mathews Conveyor Co, 110 10 St, Ellwood City, Pa 1100

McCord Corp, 2587 E Grand Blvd, Detroit 11, Mich TR 5-7000

McDonnell & Miller Inc, 3500 N Spaulding Ave, Chicago 8, Ill CO 7-1600

McFarland Mfg Co, 1320 Roberts St, Houston 3, Tex Fairfax 7105

F H McGraw & Co, 51 E 42 St, N Y

McNally-Pittsburg Mfg Co, Pittsburg, Kan 542

McQuay Inc, 1600 Broadway St N E, Minneapolis 13, Minn GR 7221

Mente & Co Inc, 1401 Montegut St, New Orleans 17, La Crescent 6691

Mercer-Robinson Co Inc, 30 Church St, N Y 7 Rector 2-9496

Merco Centrifugal Co, 1045 Sansome St, San Francisco 11, Cal Sutter 1-8280

Mercoid Corp, 4201 Belmont Ave, Chicago 41, Ill Pensacola 6-2100
N Y 17, 205 E 42 St Murray Hill 4-5071
Phila 32, Pa, 3137 N Broad St Radcliffe 5-1800

Meriam Instrument Co, 10928 Madison Ave, Cleveland 2, Ohio Atlantic 1-1100

Merrick Scale Mfg Co, 182 Autumn St, Passaic, N J Prescott 9-0697

Metal Glass Products Co, Belding, Mich 700

Metal Hose & Tubing Co, W Clinton St, Dover, N J

Metal Products Corp, 50 W 19 St, Weehawken, N J UN 7-1083

Metalab Equipment Corp, 270 Duffy Ave, Hicksville, L I, N Y 3-3100

Metallogasket Co, 20 Bethany St, New Brunswick, N J

Metals & Controls Corp, 24 Forest St, Attleboro, Mass 1-2800

Meter & Valve Div, 400 N Lexington, Pittsburgh 8, Pa CH 1-8400

Michigan Pipe Co, Bay City, Mich 7501

Michigan Seamless Tube Co, 400 West Ave, S Lyon, Mich

Michigan Wire Cloth Co, 2055 Howard St, Detroit 16, Mich Tashmoo 6-6500

Micro Metallic Corp, 42 Sea Cliff Ave, Glen Cove, N Y [illegible]

Mid-Continent Metal Products Co, 1960 N Cloybourn Ave, Chicago 14, Ill Lincoln 9-3900

Midwest Piping & Supply Co, 1450 S 2 St, St Louis 4, Mo

Miehle Printing Press & Mfg Co, 200 Bloomfield Ave, Bloomfield, N J [illegible]

Milburn Co, 3246 Woodbridge St, Detroit 7, Mich Lorain 8-1080

J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich 9-8491

Miller Wrapping & Sealing Mach Co, 18 S Clinton St, Chicago 6, Ill Randolph 6-1883

Mine Safety Appliance Co, Braddock Ave, Pittsburgh 8, Pa

Mine & Smelter Supply Co, 1422 17 St, Denver 17, Col Keystone 3111
El Paso, Tex, 1515 11 St 2-3431
N Y, 1775 Broadway Circle 7-5236
Salt Lake City, Utah, 121 W 2 South St 3-2791

Minneapolis-Honeywell Regulator Co, Micro Switch Div, Freeport, Ill State 900
Phila 44, Pa, 4493 Wayne & Windrim Aves, Michigan 4-8300

Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn MA 5225

Mixing Equipment Co, Inc, 139 Mt Read Blvd, Rochester 11, N Y Genese 7560
N Y 6, 136 Liberty St Cortlandt 7-1157

Modine Mfg Co, 1300 De Koven, Racine, Wis 3-2411

Moeller Instrument Co, 132 St & 89 Ave, Richmond Hill 18, N Y Virginia 9-2100

Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill

Monarch Mfg Co Works Inc, 2501 E Ontario St, Phila 34, Pa RE 9-8209

Moore Co, 800 S Missouri Ave, Marceline, Mo 515

Moore Products Co, 910 E Lycoming St, Phila 24, Pa JE 3-3500

Morehouse Industries, 1156 San Fernando Rd, Los Angeles 65, Cal

Morganite Inc, 33-04 48 Ave, L I C 1, N Y Stillwell 4-3222

Morris Mach Works, Baldwinsville, N Y 308

Morse Boulger Destructor Co, 211-F E 42 St, N Y 17 Oregon 9-4949

Morse Bros Machy Co, 2900 Brighton Blvd, Denver 1, Col

Morse Chain Co, 7601 Central St, Detroit 8, Mich Texas 4-2000

Mueller Co, 512 W Cerro Gordo St, Decatur 70, Ill 4181

Mulfite Refractories Co, 29 Canal, Shelton, Conn Ansonia-Derby 4-2571

Multi Metal Wire Cloth Co Inc, 1350 Garrison Ave, N Y Kilpatrick 2-2500

Mundet Cork Corp, 7101 Tonnelle Ave, N Bergen, N J Union 5-2000

Munning & Munning Inc, 202 Emmett St, Newark, N J Bigelow 8-2668

Munson Mill Machy Co, 200 Seward Ave, Utica, N Y 2-3191

A B Murray Co Inc, 649 Green Lane, Elizabeth, N J 2-8182

D J Murray Mfg Co, 1002-1024 3 St, Wausau, Wis 4086

N

Nagle Pumps Inc, 1245 Center Ave, Chicago Heights, Ill 2940

Nash Engrg Co, 203 Wilson Rd, S Norwalk, Conn 6-3351

National Airoil Burner Co, 1348 E Sedgley Ave, Phila 34, Pa Delaware 6-5300

National Annealing Box Co, Washington, Pa 900

National Box & Lumber Co, 222 Pacific St, Newark 5, N J MA 3-0443

National Can Corp, 110 E 42 St, N Y 17

National Conveyors Co Inc, 50 Church St, N Y 7 Barclay 7-6778

National Cylinder Gas Co, 840 N Mich Ave, Chicago 11, Ill WH 4-3100

National Engrg Co, 549 W Washington Blvd, Chicago, Ill State 2-6148

National Filter Corp, 147 W 22 St, N Y 11 Chelsea 2-2666

National Filter Media Corp, 1717 Dixwell Ave, New Haven 14, Conn 2-5566

National Foam System Inc, Union & Adams Sts, W Chester, Pa 3600

National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J Bergen 3-0088

National Research Corp, 70 Memorial Dr, Cambridge 42, Mass Elliot 4-5400

National Radiator Co, 60 E 42 St, N Y 17 Murray Hill 2-2974

National Rubber Machy Co, 47 W Exchange St, Akron 8, Ohio

Neff & Frey Co, 164 Elm St, Camden, Ohio 193

Neptune Meter Co, 50 W 50 St, N Y 20 Columbia 5-3994

Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa Michigan 4-4983

New England Tank & Tower Co, Everett, Mass 7-0318

New Jersey Mach Corp, 16 & Willow Ave, Hoboken, N J 2-0484

Newark Wire Cloth Co, 351 Verona Ave, Newark 4, N J Humbolt 3-7700

Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y Amherst 2100

Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5 Whitehall 3-5520

Nicholson Co Inc, 10 Rockefeller Plaza, N Y 20 Circle 6-9200

W H Nicholson & Co, 196 Oregon St, Wilkes-Barre, Pa 26194

Nieder Fused Quartz Co, Babson Park Ave, Babson Park 57, Mass Wellesley 5-0432

Niles Steel Products Div, 465 Walnut St, Niles, Ohio 27521
N Y 7, 30 Church St Cortlandt 7-5115

Nooter Corp, 1400 S 2 St, St Louis 4, Mo Main 6000

Nordberg Mfg Co, Milwaukee 7, Wis Sheridan 4-2370

H W North Co, E 13 & Parade Sts, Erie, Pa 2-6477

North American Mfg Co, 4455 E 71 St, Cleveland 5, Ohio BR 1-6000

North American Phillips Co Inc, 100 E 42 St, N Y 17 Lexington 2-0900
Mt Vernon N Y, 750 S Fulton Ave

North American Refractories Co, 1212 National City Bldg, E 6 St, Cleveland 14, Ohio Main 1-5200

Northern Blower Co, 6418 Barberton Ave, Cleveland 2, Ohio Olympic 1-1300

Northern Ordnance Inc, Minneapolis, Minn Granville 7201

Norton Co, 1 New Bond St, Worcester 6, Mass 2-4641

O

Joseph Oat & Sons Inc, 232 Quarry St, Phila 6, Pa Market 7-2653

Ogden Filter Corp, 4214 Santa Monica Blvd, Los Angeles 29, Cal Normandy 2-2116

Ohio Brass Co, Mansfield, Ohio 7111-6

Ohio Corrugating Co, Warren, Ohio 4-1146

Ohio Steel Foundry Co, W 4 St, Lima, Ohio 4-0011
Springfield, Ohio, 1075 James St 3-6477

Okonite Co, Passaic, N J Prescott 7-0400

Oliver United Filters Inc, 33 W 42 St, N Y 18 Longacre 3-3911
Oakland 1, Cal, 2900 Glascock St KE 3-3636

Samuel Olson Mfg Co Inc, 2418 Bloomingdale Ave, Chicago 47, Ill

Omega Mach Co, 345 Harris Ave, Providence 1, R I GA 1-4302

Orton Crane & Shovel Co, 608 S Dearborn St, Chicago 5, Ill Harrison 7-0783

Orville Simpson Co, 1230 Knowlton St, Cincinnati 23, Ohio Kirby 1236

Owens-Corning Fiberglas Corp, Nicholas Bldg, Toledo 1, Ohio GA 7461

Owens-Illinois Glass Co, Ohio Bank Bldg, Toledo 1, Ohio Fairfax 6543

Ozark-Mahoning Co, 310 W 6 St, Tulsa, Okla 3-0128

P

Pabco Products Inc, 475 Brannan St, San Francisco 19, Cal Exbrook 2-3657

Pacific Clay Products, 306 W Ave 26, Los Angeles 31, Cal Capitol 4281

Pacific Pumps Inc, 5715 Bickett St, Huntington Park, Cal Kimball 2203

Pacific Tube Co, 5710 Smithway, Los Angeles 22, Cal Underhill 0-1331

Packing Engrg Corp, 982 Lincoln Rd, Cranford, N J 6-1676

Palmer Supplies Co, 8905 Lake Ave, Cleveland 2, Ohio ME 1-8870

Pangborn Corp, 210 Pangborn Blvd, Hagerstown, Md 3500

Parker Appliance Co, 17325 Euclid Ave, Cleveland 12, Ohio Kenmore 1-3000

Parr Instrument Co, 211 53 St, Moline, Ill 1216

Parsons Engrg Corp, 2545 E 79 St, Cleveland 4, Ohio RA 1-7600

Parten Mach Co, 311 Portland Ave, Minneapolis 15, Minn MA 5411

Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio 2400

Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa Stroudsburg 820

Peerless Bread Machy Corp, Park St, Sidney, Ohio

Pekay Mach & Engrg Co, 100 N LaSalle St, Chicago, Ill

Pelamay Products, 629 2 Ave, N Y 16 Lexington 2-0570

Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich Trinity 5-0900

Pennsylvania Crusher Co, 1721 Liberty Trust Bldg, Phila 7, Pa RI 6-2713

Pennsylvania Pump & Compressor Co, Easton, Pa 4276

Perfex Corp, 500 W Oklahoma Ave, Milwaukee, Wis Sheridan 4-1000

Perkin-Elmer Corp, Norwalk, Conn 8-6501

Permutit Co, 330 W 42 St, N Y 18 Longacre 3-4930

Perry Equipment Corp, 1515 W Thompson St, Phila 21, Pa Stevenson 4-1515

Peterson Filters & Engrg Co Inc, 137 Motor Ave, Salt Lake City 1, Utah 3-3020

Pfahler-Cleland Co, 820 Harding Way W, Galion, Ohio

Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Boston 16, Mass, 751 Little Bldg
Chattanooga, Tenn, 307 Volunteer Bldg
Chicago 2, Ill 111 W Washington St
Cincinnati 2, Ohio, 1719 First Nat'l Bank Bldg
Dallas, Tex, 2314 Garapan Dr
Detroit 2, Mich, 2970 W Grand Blvd
Elyria, Ohio, Taylor St
Los Angeles 5, Cal, 3757 Wilshire Blvd
Minneapolis, Minn, P O Box 1031
N Y 18, 330 W 42 St
Phila 2, Pa, 1213 Commercial Trust Bldg
Pittsburgh 27, Pa, 121 Bauman Ave
St Louis 1, Mo, 818 Olive St
San Francisco 3, Cal, 1325 Howard St,
Washington 6, D C, 1346 Connecticut Ave, N W

Thos Phillips Co, 23 W Exchange St, Akron 8, Ohio Franklin 5181

Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa Sagamore 2-7417

Photoswitch Inc, 77 Broadway, Cambridge 42, Mass Trowbridge 6-9100

Photovolt Corp, 95 Madison Ave, N Y

Pioneer Rubber Co, Tiffin Rd, Willard, Ohio 231

Pioneer Rubber Mills, 353 Sacramento St, San Francisco 11, Cal Sutter 1-5780

Pittsburgh Corning Corp, 307 4 Ave, Pittsburgh 22, Pa Grant 1-4150

Pittsburgh Des Moines Steel Co, Neville Island Sta, Pittsburgh 25, Pa Federal 1-3000

Pittsburgh Lectrodryer Corp, Box 1766, Pittsburgh 30, Pa Grant 1-6220

Plax Corp, 450 Asylum St, Hartford 1, Conn 7-4165

Pneumatic Scale Corp Ltd, 68 Newport Ave, N Quincy 71, Mass President 3-6900

Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill SU 7-7825

Portable Pump Co, Box 818 Central Sta, St Louis 1, Mo ST 4497

H K Porter Co Inc, 1932 Oliver Bldg, Pittsburgh 22, Pa

H K Porter Co Inc, Quaker Rubber Div, 4915 Comly St, Wissinoming, Phila 24, Pa JE 34800

Potdevin Mach Co, 1282-38 St, Bklyn 18, N Y Gedney 6-1700

Horace T Potts Co, Erie Ave & D St, Phila, Pa Garfield 6-4600

Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio Cherry 2760

Power Engrg Corp, 205 W Wacker Dr, Chicago 16, Ill FR 2-5637

Power Products Co, 11 Broadway, N Y 4 Whitehall 4-2918

Powers Regulator Co, 2736 Greenview Ave, Chicago 14, Ill

Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill Capitol 7-2660

Premier Mill Corp, 218 Genesee St, Geneva, N Y 6610

Pressed Steel Co, 705 N Pennsylvania Ave, Wilkes-Barre, 24128

Pressed Steel Tank Co, 1499 S 66 St, Milwaukee 14, Wis Greenfield 6-0500
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Presstite Engrg Co, 3900 Chouteau, St Louis 10, Mo Mohawk 6000

J F Pritchard & Co, 908 Grand Ave, Kansas City 6, Mo Baltimore 1122

Proctor & Schwartz Inc, 7 & Tabor Rd, Phila 20, Pa MI 4-6400

Production Instrument Co, 710 W Jackson Blvd, Chicago 6, Ill Financial 6-3232

Productive Equipment Corp, 2926 W Lake St, Chicago, Ill NE 8-6701

Pronortioneers Inc, 406 Harris Ave, Providence 1, R I Gaspee 1-4307

Protectoseal Co, 1904 S Western Ave, Chicago 8, Ill Chesapeake 3-1400

Prufcoat Labs Inc, 63 Main St, Cambridge 42, Mass Eli 4-0200

Pulva Corp, 550 High St, Perth Amboy, N J 4-3450

Pulverizing Machy Co, Chatham Rd, P O Box 569, Summit, N J

Purolator Products Inc, 970 New Brunswick Ave, Rahway, N J 7-4000

Pyrene Mfg Co, 560 Belmont Ave, Newark 8, N J Bigelow 3-7400

Pyrometer Instrument Co, Portland & Delport Aves, Bergenfield, N J Dumont 4-5140

Q

Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa Regent 9-3000

R

R-S Products Corp, 100 Berkley St, Phila, Pa

Radio Corp of America, Camden, N J Woodlawn 3-8000

Rapids-Standard Co Inc, 155 Rapistan Bldg, Grand Rapids 2, Mich GI 6-9666

B Rauschkolb & Co, 225 W 34 St, N Y 1 Longacre 5-8189

Raybestos-Manhattan Inc, 61 Willet St, Passaic, N J Manheim, Pa

Raymond Bag Co, Enoch Dr, Middletown, Ohio

Read Standard Corp, Gaskell Ave, Erie, Pa York, Pa 82-891

Reeves Pulley Co, 1000 N Wilson St, Columbus, Ind

Refractory & Insulation Corp, 120 Wall St, N Y Whitehall 3-5370

Reliance Elec & Engrg Co, 1088 Ivanhoe Rd, Cleveland 10, Ohio Glenville 1-3530

Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill Brunswick 8-6000

Republic Metals Co, 273 Green St, Bklyn, N Y Evergreen 9-5010

Republic Rubber Div, Lee Rubber & Tire Corp, Albert St, Youngstown 1, Ohio 3-2131

Republic Steel Corp, Republic Bldg, Cleveland 1, Ohio PR 1-1400

Republic Steel Corp, 224 E 131 St, Cleveland 8, Ohio GI 1-2700

Research Corp, 405 Lexington Ave, N Y

Resisto Pipe & Valve Co, 258 Bridge St, E Cambridge, Mass Trowbridge 6-4240

Resistoflex Corp, 37 Plansoen St, Belleville 9, N J

Revere Copper & Brass Inc, 230 Park Ave, N R 17 Murray Hill 9-6800

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Reynolds Metals Co, 2500 S 3 St, Louisville 1, Ky Calhoun 4731

Rheem Mfg Co, 570 Lexington Ave, N Y 22 Eldorado 5-3400

J E Rhoads & Sons, 35 N 6 St, Phila 6, Pa LO 3-7441

Richardson Scale Co, 668 Van Houten Ave, Clifton, N J Prescott 9-1971

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Rietz Mfg Co, 441 Folsom St, San Francisco 5, Cal Yukon 6-5066

Riley Stoker Corp, 9 Neponset St, Worcester 6, Mass 6-7111

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Memphis 2, Tenn, P O Box 2527 5-6688
Minneapolis 2, Minn, Foshay Tower Fillmore 2105
New Orleans 13, La, 629½ Baronne St Canal 3101
N Y 6, 21 Morris St
N Y 14, 200 Varick St Watkins 4-6990
Phila 8, Pa, 401 N Broad St Walnut 2-1775
San Francisco, Cal, 627 Rialto Bldg Sutter 1-6517

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Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y Main 2-8400

J O Ross Engrg Corp, 444 Madison Ave, N Y 22 Plaza 9-3353

Ross Heater & Mfg Co, 1434 West Ave, Buffalo, N Y Lincoln 2020

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Rubberoid Co, 500 5 Ave, N Y 18 Longacre 5-5030

Rubicon Co, Ridge Ave at 35 St, Phila 32, Pa Radcliff 5-3737

George Ruehfel Co Inc, 107-20 101 Ave, Richmond Hill 19, N Y Virginia 7-1510

Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill RO 2-2121

S

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Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio Endicott 1-1722

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St Regis Sales Corp, 230 Park Ave, N Y 17

Sandvik Steel Inc, 111 8 Ave, N Y 11 Watkins 9-7180

Santa Fe Tank & Tower Co, 5401 Boyle Ave, Los Angeles 11, Cal LA 0194

Saranac Mach Co, Benton Harbor, Mich 8174

Sarco Co Inc, 350 5 Ave, N Y 1 Longacre 3-4044

Schade Valve Mfg Co, 2527 N Bodine St, Phila 33, Pa Garfield 5-0300

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Schaible Co, 1086 Summer, Cincinnati, Ohio Grandview 5000

Scientific Filter Co, 57 Rose St, N Y 7 Beekman 3-1210

Carl Schleicher & Schuell Co, Keene, N H

Schmieg Industries Inc, 306 Piquette St, Detroit 2, Mich TR 5-4010

Claude B Schneible Co, 2831 25 St, Detroit 16, Mich Tashmoo 5-7772

Schnitzer Alloy Products Co, 531 Pine St, Elizabeth, N J 3-1300

Schromm Inc, W Chester, Pa 2500

Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa Cornwells 0900

Scientific Glass Apparatus Co Inc, Bloomfield, N J 2-7200

Seaboard Industries, 195 Keen St, Paterson, N J Armory 4-2294

Seaporcel Metals Inc, Borden Ave & Dutchkills, L I C, N Y Stillwell 6-4900

Selas Corp of America, Erie Ave & D St, Phila 34, Pa Nebraska 4-2480

Sellers Injector Corp, 1600 Hamilton St, Phila 30, Pa Locust 4-1278

Semon Bache & Co, Greenwich & Morton Sts, N Y

Sentinel Glass Co, Box 58, Hatboro, Pa 1181

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Chicago, Ill, 80 E Jackson Blvd

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Spencer Turbine Co, 484 New Park Ave, Hartford, 6, Conn 3-6293

D R Sperry & Co, Batavia, Ill 1527

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Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa 41

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Stacey Mfg Co, Township & Big 4 RR, Cincinnati 16, Ohio Avon 6580

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Stockham Valves & Fittings, P O Box 2592, Birmingham 2, Ala 59-6361

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Straub Co, 4059 Ridge Ave, Phila, Pa TE 9-5756

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Superior Tube Co, 2509 Germantown Ave, Norristown, Pa 5-2070

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Torit Mfg Co, 292 Walnut & Exchange Sts, St Paul, Minn Cedar 4419

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Uehling Instrument Co, 468 Getty Ave, Paterson 3, N J SH 2-8710

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Up-Right Scaffolds, 1013 Pardee St, Berkeley 10, Cal Thornwall 3-0770

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Vliter Mfg Co, 2217 S 1 St, Milwaukee 7, Wis Sheridan 4-0111
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Vulcan Iron Works, 1730 Main St, Wilkes-Barre, Pa 2-2161

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Weinman Pump Mfg Co, 292 Spruce St, Columbus 8, Ohio MA 3246
Welding Engrs Inc, P O Box 391, Norristown, Pa 8-6900
Welding Fittings Corp, P O Box 860, New Castle, Pa 7390
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Wellman Engrg Co, 7000 Central Ave, Cleveland, Ohio Endicott 1-0842
Welsbach Corp, 2409 W Westmoreland St, Phila 29, Pa RA 5-7169
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Thomas C Wilson Inc, 21-11 44 Ave, L I C 5, N Y Ironside 6-3360
L J Wing Mfg Co, 300 Vreeland Mills Rd, Linden, N J 3-7400
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Witt Cornice Co, 2118 Winchell Ave, Cincinnati, Ohio CH 6171
Alan Wood Steel Co, Ivy Rock Rd, Conshohocken, Pa Norristown 5-4560
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Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex UN 6141
Wyssmont Co, 31-08 Northern Blvd, L I C 1, N Y

XYZ

Yale & Towne Mfg Co, 200 Henry St, Stamford, Conn 4-3121
Yarnall-Waring Co, 102 E Mermaid Lane, Phila 18, Pa Chestnut Hill 7-3117
Yeomans Bros Co, 1434 N Dayton St, Chicago 22, Ill Michigan 2-5600
York Corp, Roosevelt & P R R, York, Pa 81131
Otto H York Co Inc, 69 Glenwood Pl, E Orange, N J 4-2000
York-Shipley, Jessop Pl & P R R, York, Pa 7861
Young Radiator Co, 6 & Marquette Sts, Racine, Wis 2-4441
Zallea Bros, Taylor & Locust Sts, Wilmington 99, Del 4-2407
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EQUIPMENT, CONTAINERS AND SUPPLIES

An Alphabetical list of apparatus, containers, equipment, and supplies, packaging and labeling machinery, with a buyer's guide of manufacturers.

ABRASERS

Taber Instruments Co, 111 Coundry St, N Tonawanda, N Y

ABRASIVES

American Optical Co, 200 Mechanic St, Southbridge, Mass
American Wheelabrator & Equipment Corp, 827 S Byrkit St, Mishawaka, Ind
Bausch & Lomb Optical Co, 635 St Paul St, Rochester 2, N Y
L H Butcher Co, 3628 E Olympic Blvd, Los Angeles 23, Cal
Carborundum Co, Niagara Falls, N Y
Cortland Grinding Wheels Corp, Chester, Mass
Enthone Inc, 442 Elm St, New Haven, Conn
Exolon Co, 948 E Niagara St, Tonawanda, N Y
Hanson-Van Winkle-Munning Co, Matawan, N J
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Norton Co, 1 New Bond St, Worcester 6, Mass
Pangborn Corp, 210 Pangborn Blvd, Hagerstown, Md
George G Rodgers Co, 2401 3 Ave, N Y 51
Sabin Mach Co, 6536 Carnegie Ave, Cleveland 3, Ohio
U S Rubber Co, 1230 6 Ave, N Y 20

ABSORBERS

Acme Coppersmithing & Mach Co, Oreland, Pa
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Bethlehem Steel Co, Bethlehem, Pa
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 22, Pa
Falls Industries, Aurora Rd, Solon, Ohio
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gen American Transport Corp, 135 S LaSalle St, cago 90, Ill
Inflco Inc, Box 5033, Tucson, Ariz
Lummus Co, 385 Madison Ave, N Y 17
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

ACCUMULATORS

Acme Coppersmithing & Mach Co, Oreland, Pa
Aldrich Pump Co, Allentown, Pa
Babcock & Wilcox, 85 Liberty St, N Y 6
J B Beaird Co, 6200 St Vincent Ave, Shreveport, La
Bethlehem Steel Co, Bethlehem, Pa
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Foster-Wheeler Corp, 165 Broadway, N Y 6
Frick Co, Waynesboro, Pa
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Island Equipment Corp, 27-01 Bridge Plaza N, L I C 1, N Y
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
McQuay Inc, 1600 Broadway St N E, Minneapolis 13, Minn
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Vilter Mfg Co, 2217 S 1 St, Milwaukee 7, Wis
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

ACCUMULATORS, HYDRAULIC

Aldrich Pump Co, Allentown, Pa
Amoco Metal, 1746 S 38 St, Milwaukee 46, Wis
J B Beaird Co, 6200 St Vincent Ave, Shreveport, La
Black, Sivalls & Bryson Eng, 15 N Cincinnati St, Tulsa, Okla
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
McQuay Inc, 1600 Broadway St N E, Minneapolis 13, Minn
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Vilter Mfg Co, 2217 S 1 St, Milwaukee 7, Wis
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

ACID EGGS

Acme Coppersmithing & Mach Co, Oreland, Pa
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Edgemoor Iron Works, Edgemoor, Del
Read Standard Corp, York, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
U S Pipe & Foundry Co, Pearl St, Burlington, N J
U S Stoneware Co, 60 E 42 St, N Y

ADAPTORS, FITTINGS

Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Falls Industries, Aurora Rd, Solon, Ohio
Grinnell Co, 260 W Exchange St, Providence 1, R I
Illinois Elec Porcelain Co, Box 272, Macomb, Ill
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
Scientific Glass Apparatus Co, Bloomfield, N J
Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14, Ill
L C Thomsen & Sons, 1303 43 St, Kenosha, Wis
Vilter Mfg Co, 2217 S 1 St, Milwaukee 7, Wis

ADAPTORS, STOPCOCK

Emil Greiner Co, 20-26 N Moore St, N Y 13
Griscom-Russell Co, Massillon, Ohio
Illinois Elec Porcelain Co, Box 272, Macomb, Ill
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Scientific Glass Apparatus Co, Bloomfield, N J

ADDITION AGENTS

E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del

ADSORPTION APPARATUS

Acme Coppersmithing & Mach Co, Oreland, Pa
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Falls Industries, Aurora Rd, Solon, Ohio
Foster-Wheeler Corp, 165 Broadway, N Y 6
Inflco Inc, Box 5033, Tucson, Ariz
Koch Engrg Co, 335 W Lewis St, Wichita 2, Kan
Nieder Fused Quartz Co, Babson Park Ave, Babson Park 57, Mass
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Pittsburgh Lectrodryer Corp, Box 1766, Pittsburgh 30, Pa
Rudolph/Ivyl Inc, 341 E Ohio St, Chicago 17, Ill
Scientific Glass Apparatus Co, Bloomfield, N J
Salas Corp of America, Erie Ave & D St, Phila 34, Pa
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

AERATORS

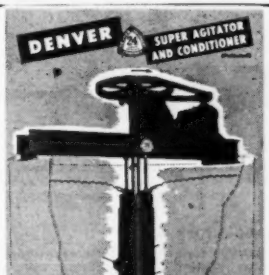
Acme Coppersmithing & Mach Co, Oreland, Pa
American Mach & Foundry Co, 485 5 Ave, N Y 17
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Bin-Dicator Co, 13946 Kercheval Ave, Detroit, Mich
Cherry-Burrell Corp, 427 W Randolph St, Chicago 6, Ill
Cornell Mach Co, 99 Wall St, N Y
Elgin Softener Corp, Elgin, Ill
Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Illinois Water Treatment Co, 858 Cedar St, Rockford, Ill
Inflco Inc, Box 5033, Tucson, Ariz
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Permutit Co, 330 W 42 St, N Y 18
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Premier Mills Corp, 218 Genesee St, Geneva, N Y
Scientific Glass Apparatus Co, Bloomfield, N J
Walker Process Equipment Co, 518 Hauks St, Aurora, Ill
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

AFTERCOOLERS

Acme Coppersmithing & Mach Co, Oreland, Pa
R P Adams Co, 225 E Park Dr, Buffalo 17, N Y
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Bell & Gossett Co, Morton Grove, Ill
Berin Chapman Co, Berlin, Wis
Bethlehem Steel Co, Bethlehem, Pa
Brown Fintube Co, Elyria, Ohio
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Chicago Pneumatic Tool Co, 6 E 44 St, N Y 17
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Croll Reynolds Co, 17 John St, N Y 38
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Falls Industries, Aurora Rd, Solon, Ohio
Graham Mfg Co, 415 Lexington Ave, N Y 17
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Ingersoll-Rand Co, Phillipsburg, N J
Joy Mfg Co, Oliver Bldg, Pittsburgh 22, Pa
Lummus Co, 385 Madison Ave, N Y 17
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pennsylvania Pump & Compressor Co, Easton, Pa
Ross Heater & Mfg Co, 1434 West Ave, Buffalo
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Vilter Mfg Co, 2217 S 1 St, Milwaukee 7, Wis
Western Supply Co, 424 N Boulder St, Tulsa, Okla
Whitlock Mfg Co, 4 South St, Hartford 10, Conn
Young Radiator Co, 6 & Marquette Sts, Racine, Wis

AGITATORS

Acme Coppersmithing & Mach Co, Oreland, Pa
Allied Steel & Equipment Co, Dept N, Chester, N J
Alsop Engrg Corp, Milldale, Conn
American Mach & Foundry Co, 485 5 Ave, N Y 17
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Atlantic Tank Corp, 1215 Tonnele Ave, N Bergen, N J



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Specifications: **Standard or acid-proof construction. Rubber or neoprene wearing parts available.**

Operation: **Positive, complete mixing. Recirculation ports in standpipe prevent short circuiting of pulp.**

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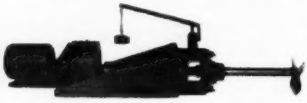
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Propeller, paddle and turbine types. Sizes 1 to 500 HP. Included are new Series E Lightnin Mixers with up to 16 interchangeable speeds in standard gear reducer. For details, request *Catalog B-100* (complete line); *Catalog B-78* (propeller types only); *Catalog B-89* (paddle and turbine types).



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For tanks to 5 million gallons capacity. Sizes 1 to 25 HP. Gear drive; V-belt drive; motorless types. Request *Catalog B-76.*

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Precision built Lightnin Mixers for laboratories and small-batch production. Electric or air driven. Request *Bulletin DH-50.*

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139 Mt. Read Blvd., Rochester 11, N.Y.

In Canada: William & J. G. Greey, Ltd., Toronto 1, Ont.

AGITATORS, continued

Bethlehem Steel Co, Bethlehem, Pa
Binks Mfg Co, 3114 Carroll Ave, Chicago 12, Ill
Blaw-Knox Co, Blawnox, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
L H Butcher Co, 3628 E Olympic Blvd, Los Angeles 23, Cal
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Denver Equipment Co, 1400 17 St, Denver 17, Col
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Eastern Industries, 296 Elm St, New Haven, Conn
Edgemoor Iron Works, Edgemoor, Del
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Enzinger Union Corp, Angola, N Y
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Hanson-Van Winkle-Munning Co, Matawan, N J
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Inland Steel Container Co, P O Box 902, Milwaukee 1, Wis
International Engrg, Dayton 1, Ohio
Koppers Co, Koppers Blvd, Pittsburgh 19, Pa
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Mercer-Robinson Co, 30 Church St, N Y 7
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
New England Tank & Tower Co, Everett, Mass
H W North Co, E 13 & Parade Sts, Erie, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Premier Mills Corp, 218 Genesee St, Geneva, N Y
Read Standard Corp, York, Pa
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
U S Hoffman Machy Corp, 105 4 Ave, N Y 3

AGITATORS, AIR

Acme Coppersmithing & Mach Co, Oreland, Pa
Eastern Industries, 296 Elm St, New Haven, Conn
Hanson-Van Winkle-Munning Co, Matawan, N J
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Premier Mills Corp, 218 Genesee St, Geneva, N Y
Read Standard Corp, York, Pa
Spencer Turbine Co, 484 New Park Ave, Hartford 6, Conn
U S Hoffman Machy Corp, 105 4 Ave, N Y 3

AGITATORS, LIQUID

Acme Coppersmithing & Mach Co, Oreland, Pa
Allied Steel & Equipment Co, Dept N, Chester, N J
Alsop Engrg Corp, Milldale, Conn
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
Berlin Chapman Co, Berlin, Wis
Binks Mfg Co, 3114 Carroll Ave, Chicago 12, Ill
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Denver Equipment Co, 1400 17 St, Denver 17, Col
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Eastern Industries, 296 Elm St, New Haven, Conn
Edgemoor Iron Works, Edgemoor, Del
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Frick Co, Waynesboro, Pa
Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Hardinge Co, 240 Arch St, York, Pa
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Marine Fabricators Co, 1010 State St, Perth Amboy, N J
Mercer-Robinson Co, 30 Church St, N Y 7
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
New England Tank & Tower Co, Everett, Mass
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Premier Mills Corp, 218 Genesee St, Geneva, N Y
Read Standard Corp, York, Pa
George G Rodgers Co, 2401 3 Ave, N Y 51
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Spencer Turbine Co, 484 New Park Ave, Hartford, Conn
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Filter Mfg Co, 2217 S 1 St, Milwaukee 7, Wis

AGITATORS, MECHANICAL

Ace Equipment Co, 400 W Kinzie St, Chicago 10, Ill
Acme Coppersmithing & Mach Co, Oreland, Pa
Allied Steel & Equipment Co, Dept N, Chester, N J
Alsop Engrg Corp, Milldale, Conn
American Mach & Foundry Co, 485 5 Ave, N Y 17
American Pulley Co, 4200 Wissahickon Ave, Phila 29, Pa
Berlin Chapman Co, Berlin, Wis
Binks Mfg Co, 3114-40 Carroll Ave, Chicago, Ill
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
Bodinson Mfg Co, 2401 Bayshore Blvd, San Francisco 24, Cal
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Denver Equipment Co, 1400 17 St, Denver 17, Col
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Eastern Industries, 296 Elm St, New Haven, Conn
Edgemoor Iron Works, Edgemoor, Del
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Enzinger Union Corp, Angola, N Y
Galigher Co, 921 Bergen St, Jersey City 6, N J
Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Gen Mach Co of N J, 398 Market St, Newark 5, N J
Graymills Corp, 1948 Ridge Ave, Evanston, Ill
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio
J M Lehman Co, 550 N Y Ave, Lyndhurst, N J
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Marine Fabricators Co, 1010 State St, Perth Amboy, N J
Mercer-Robinson Co, 30 Church St, N Y 7
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
Munning & Munning, 202 Emmett St, Newark, N J
D J Murray Mfg Co, 1002-1024 3 St, Wausau, Wis
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
New England Tank & Tower Co, Everett, Mass
H W North Co, E 13 & Parade Sts, Erie, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Premier Mills Corp, 218 Genesee St, Geneva, N Y
Read Standard Corp, York, Pa
George G Rodgers Co, 2401 3 Ave, N Y 51
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
U S Gasket Co, 610 N 10 St, Camden, N J
Walker Process Equipment Co, 518 Hauks St, Aurora, Ill

AGITATORS, PIPE LINE

Alsop Engrg Corp, Milldale, Conn
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
New England Tank & Tower Co, Everett, Mass
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio

AGITATORS, STEAM AND AIR JET

Acme Coppersmithing & Mach Co, Oreland, Pa
Durlron Co, 450 N Finlay St, Dayton 1, Ohio
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa

AIR CONDITIONING EQUIPMENT

Air Conditioning, York Co, York, Pa
American Blower Corp, 8111 Tireman St, Detroit 32, Mich
Anterberger Bros, Northbrook, Ill
Baker Refrigeration Corp, S Windham, Me
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Bell & Gossett Co, Morton Grove, Ill
E D Bullard Co, 275 8 St, San Francisco 3, Cal
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Curtis Mfg Co, 1905 Kienlen Ave, St Louis 20, Mo
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Frick Co, Waynesboro, Pa
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Gen Elec Co, 5 Lawrence St, Bloomfield, N J
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Marlo Coil Co, 6135 Manchester Ave, St Louis, Mo
McQuay Inc, 1600 Broadway St N E, Minneapolis 13, Minn
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Powers Regulator Co, 2736 Greenview Ave, Chicago 14, Ill
B Rauschkolb & Co, 225 W 34 St, N Y 1
Surface Combustion Corp, 2375 Dorr St, Toledo, Ohio
Tenney Engrg, 26 Ave B, Newark 5, N J

AIR CONDITIONING EQUIPMENT, continued

Trane Co, 300 Cameron Ave, La Crosse, Wis
Vilter Mfg Co, 2217 S 1 St, Milwaukee 7, Wis
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa
Young Radiator Co, 6 & Marquette Sts, Racine, Wis
York Corp, Roosevelt & P R R, York, Pa

AIR CONDITIONING EQUIPMENT, RECOVERY SYSTEMS

American Wheelabrator & Equipment Corp, 827 S Byrkit St, Mishawaka, Ind
Brunner Mfg Co, 1821 Broad St, Utica 1, N Y
Buell Engrg Co, 70 Pine St, N Y 5
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Falls Industries, Aurora Rd, Solon, Ohio
Marlo Coil Co, 6135 Manchester Ave, St Louis, Mo
Surface Combustion Corp, 2375 Dorr St, Toledo, Ohio
Trane Co, 300 Cameron Ave, La Crosse, Wis
York Corp, Roosevelt & P R R, York, Pa

AIR CONDITIONING EQUIPMENT, SEPARATORS

American Wheelabrator & Equipment Corp, 827 S Byrkit St, Mishawaka, Ind
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Marlo Coil Co, 6135 Manchester Ave, St Louis, Mo
York Corp, Roosevelt & P R R, York, Pa

ALARMS, LIQUID LEVEL

Air Reduction Co, 60 E 42 St, N Y 17
Automatic Control Co, 1005 University Ave, St Paul, Minn
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
B-W Controller Corp, 2204 E Maple St, Birmingham, Mich
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Barton Instrument Corp, 1429 S Eastern Ave, Los Angeles 22, Cal
Bell & Gossett Co, Morton Grove, Ill
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Bristol Co, Platts Mills, Waterbury, Conn
Fischer & Porter Co, Hatboro, Pa
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Gen Elec X-Ray Corp, 4855 Electric Ave, Milwaukee, Wis
Instruments Inc, Wright Bldg, Tulsa 3, Okla
Lumenite Electronic Co, 407 S Dearborn St, Chicago 5, Ill
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
McDonnell & Miller, 3500 N Spaulding Ave, Chicago 18, Ill
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Photoswtch Inc, 77 Broadway, Cambridge 42, Mass
R-S Products Corp, 100 Berkley St, Phila, Pa
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Rochester Mfg Co, 105 Rockwood St, Rochester 10, N Y
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Uehling Instrument Co, 468 Getty Ave, Paterson 3, N J
United Engrs, 824 E 6 St, Tulsa, Okla
Vilter Mfg Co, 2217 S 1 St, Milwaukee 7, Wis
Yarnall-Waring Co, 102 E Mermaid Lane, Phila 18, Pa

ALARMS, PRESSURE

Automatic Control Co, 1005 University Ave, St Paul, Minn
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Bristol Co, Platts Mills, Waterbury, Conn
Distillation Products Industries, Rochester 3, N Y
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Grinnell Co, 260 W Exchange St, Providence 1, R I
Instruments Inc, Wright Bdg, Tulsa 3, Okla
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Perfex Corp, 500 W Oklahoma Ave, Milwaukee, Wis
R-S Products Corp, 100 Berkley St, Phila, Pa
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Rochester Mfg Co, 105 Rockwood St, Rochester 10, N Y
Uehling Instrument Co, 468 Getty Ave, Paterson 3, N J
Wallace & Tiernan, 1 Main St, Belleville, N J

ALARMS, TEMPERATURE

Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Bristol Co, Platts Mills, Waterbury, Conn
Fenwal Inc, 215 Pleasant St, Ashland, Mass
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal

ALARMS, TEMPERATURE, continued

Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Mason Neilan Regulator Co, 1190 Adams Co, Boston 24, Mass
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Perfex Corp, 500 W Oklahoma Ave, Milwaukee, Wis
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
R-S Products Corp, 100 Berkley St, Phila, Pa
Rochester Mfg Co, 105 Rockwood St, Rochester 10, N Y
Wheelco Instruments Co, 847 W Harrison St, Chicago 7, Ill

ALLOYS

American Brake Shoe Co, 230 Park Ave, N Y 17
American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
American Brass Co, Waterbury 20, Conn
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Armco Steel Corp, 703 Curtis St, Middletown, Ohio
Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Bethlehem Steel Co, Bethlehem, Pa
Cooper Foundry Co, 130 Bloy St, Hillside 5, N J
Duraloy Co, Scottdale, Pa
Duriron Co, 450 N Finley St, Dayton 1, Ohio
Eagle-Picher Co, American Bldg, Cincinnati 1, Ohio
Eastern Industries, 296 Elm St, New Haven, Conn
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Handy & Harman, 82 Fulton St, N Y 38
Haynes Stellite Co, 30 E 42 St, N Y 17
Illium Corp, P O Box 478, Freeport, Ill
International Nickel Co, 67 Wall St, N Y 5
Lebanon Steel Foundry, Lebanon, Pa
Metals & Controls Corp, 24 Forest St, Attleboro, Mass
Republic Metals Co, 273 Green St, Bklyn, N Y
Republic Steel Corp, Republic Bldg, Cleveland 1, Ohio
Revere Copper & Brass, 230 Park Ave, N Y 17
Reynolds Metals Co, 2500 S 3 St, Louisville 1, Ky
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
Sharon Steel Corp, Sharon, Pa
U S Steel Co, 525 Wm Penn Pl, Pittsburgh 30, Pa
U S Steel Supply Co, 208 S LaSalle St, Chicago 4, Ill
Wall-Colmonoy Corp, 19345 John R St, Detroit 3, Mich

ALLOYS, ABRASION RESISTING

American Brake Shoe Co, 230 Park Ave, N Y 17
American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Armco Steel Corp, 703 Curtis St, Middletown, Ohio
Babcock & Wilcox, 85 Liberty St, N Y 6
Bonnot Co, Canton 2, Ohio
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Duraloy Co, Scottdale, Pa
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Gen Alloys Co, 405 W 1 St, Boston, Mass
Haynes Stellite Co, 30 E 42 St, N Y 17
International Nickel Co, 67 Wall St, N Y 5
National Conveyors Co, 50 Church St, N Y 7
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
U S Steel Co, 525 Wm Penn Pl, Pittsburgh 30, Pa
Wall-Colmonoy Corp, 19345 John R St, Detroit 3, Mich

ALLOYS, ALUMINUM

Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Colonial Alloys Co, Ridge Ave & Crawford St, Phila 29, Pa
William F Jobbins, P O Box 230, Aurora, Ill
Kaiser Aluminum & Chem Sales, Kaiser Bldg, Oakland 12, Cal
Revere Copper & Brass, 230 Park Ave, N Y 17
Reynolds Metals Co, 2500 S 3 St, Louisville 1, Ky
U S Steel Supply Co, 208 S LaSalle St, Chicago 4, Ill

ALLOYS, ALUMINUM-BRONZE

American Brake Shoe Co, 230 Park Ave, N Y 17
American Brass Co, Waterbury 20, Conn
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Revere Cooper & Brass, 230 Park Ave, N Y 17
Reynolds Metals Co, 2500 S 3 St, Louisville 1, Ky

ALLOYS, BERYLLIUM

Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Metals & Controls Corp, 24 Forest St, Attleboro, Mass

ALLOYS, BISMUTH

Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Republic Metals Co, 273 Green St, Bklyn, N Y
Tri-Clover Mach Co, Kenosha, Wis

ALLOYS, CERIUM

Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y

ALLOYS, CHROMIUM

Allegheny Ludlum Steel Corp, 2020 Oliver Bldg, Pittsburgh 22, Pa
American Brake Shoe Co, 230 Park Ave, N Y 17
American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
Armco Steel Corp, 703 Curtis St, Middletown, Ohio
Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Carpenter Steel Co, 101 W Bern St, Reading, Pa
Duraloy Co, Scottdale, Pa
Hoskins Mfg Co, 4445 Lawton Ave, Detroit, Mich
International Selling Corp, 70 Pine St, N Y
C O Jelliff Mfg Corp, 200 Pequot Rd, Southport, Conn
Lebanon Steel Foundry, Lebanon, Pa
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
U S Steel Co, 525 Wm Penn Pl, Pittsburgh 30, Pa

ALLOYS, COBALT

Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Haynes Stellite Co, 30 E 42 St, N Y 17

ALLOYS, COPPER

American Brake Shoe Co, 230 Park Ave, N Y 17
American Brass Co, Waterbury 20, Conn
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Bridgeport Brass Co, Bridgeport, Conn
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
International Selling Corp, 70 Pine St, N Y
Republic Metals Co, 273 Green St, Bklyn, N Y
Revere Copper & Brass, 230 Park Ave, N Y 17
U S Steel Co, 525 Wm Penn Pl, Pittsburgh 30, Pa

ALLOYS, FERRO

American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
Armco Steel Corp, 703 Curtis St, Middletown, Ohio
Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Carpenter Steel Co, 101 W Bern St, Reading, Pa
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
International Selling Corp, 70 Pine St, N Y
National Lead Co, 111 Broadway, N Y 6
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill

ALLOYS, FUSIBLE

Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Goldsmith Bros Smelting & Refg Co, 109 N Wabash Ave, Chicago, Ill
Republic Metals Co, 273 Green St, Bklyn, N Y

ALLOYS, HEAT RESISTING

Allegheny Ludlum Steel Corp, 2020 Oliver Bldg, Pittsburgh 22, Pa
American Brake Shoe Co, 230 Park Ave, N Y 17
American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
Armco Steel Corp, 703 Curtis St, Middletown, Ohio
Babcock & Wilcox, 85 Liberty St, N Y 6
Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Bethlehem Steel Co, Bethlehem, Pa
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Carpenter Steel Co, 101 W Bern St, Reading, Pa
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Cooper Alloy Foundry Co, 130 Bloy St, Hillside 5, N J
Duraloy Co, Scottdale, Pa
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Gen Alloys Co, 405 W 1 St, Boston, Mass
Haynes Stellite Co, 30 E 42 St, N Y 17
Hoskins Mfg Co, 4445 Lawton Ave, Detroit, Mich
Illium Corp, P O Box 478, Freeport, Ill
International Nickel Co, 67 Wall St, N Y 5
C O Jelliff Mfg Corp, 200 Pequot Rd, Southport, Conn
Lebanon Steel Foundry, Lebanon, Pa
Metals & Controls Corp, 24 Forest St, Attleboro, Mass
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
Ohio Steel Foundry Co, Springfield, Ohio
Republic Steel Corp, Republic Bldg, Cleveland 1, Ohio
Reynolds Metal Co, 2500 S 3 St, Louisville, Ky
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
U S Steel Co, 525 Wm Penn Pl, Pittsburgh 30, Pa
Wall-Colmonoy Corp, 19345 John R St, Detroit 3, Mich

ALLOYS, IMPACT RESISTING

Allegheny Ludlum Steel Corp, 2020 Oliver Bldg, Pittsburgh 22, Pa
American Brake Shoe Co, 230 Park Ave, N Y 17
American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Bethlehem Steel Co, Bethlehem, Pa
Carpenter Steel Co, 101 W Bern St, Reading, Pa
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Eimco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Haynes Stellite Co, 30 E 42 St, N Y 17
International Nickel Co, 67 Wall St, N Y 5
Lebanon Steel Foundry, Lebanon, Pa
Reynolds Metal Co, 2500 S 3 St, Louisville, Ky
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
U S Steel Co, 525 Wm Penn Pl, Pittsburgh 30, Pa
Wall-Colmonoy Corp, 19345 John R St, Detroit 3, Mich

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ALLOYS, LEAD

Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Eagle-Picher Co, American Bldg, Cincinnati 1, Ohio
Goldsmith Bros Smelting & Refg Co, 109 N Wabash Ave, Chicago, Ill
International Selling Corp, 70 Pine St, N Y
Republic Metals Co, 273 Green St, Bklyn, N Y
Reynolds Metal Co, 2500 S 3 St, Louisville, Ky

ALLOYS, MANGANESE

Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
National Lead Co, 111 Broadway, N Y 6
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
U S Steel Co, 525 Wm Penn Pl, Pittsburgh 30, Pa

ALLOYS, MOLYBDENUM

Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Carpenter Steel Co, 101 W Bern St, Reading, Pa
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
U S Steel Co, 525 Wm Penn Pl, Pittsburgh 30, Pa

ALLOYS, NICKEL

American Brake Shoe Co, 230 Park Ave, N Y 17
American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Bethlehem Steel Co, Bethlehem, Pa
Carpenter Steel Co, 101 W Bern St, Reading, Pa
Cooper Alloy Foundry Co, 130 Bloy St, Hillside 5, N J
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Haynes Stellite Co, 30 E 42 St, N Y 17
International Nickel Co, 67 Wall St, N Y 5
National Lead Co, 111 Broadway, N Y 6
Revere Copper & Brass, 230 Park Ave, N Y 17
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
Tri-Clover Mach Co, Kenosha, Wis
U S Steel Co, 525 Wm Penn Pl, Pittsburgh 30, Pa

ALLOYS, NICKEL-CHROMIUM

Allegheny Ludlum Steel Corp, 2020 Oliver Bldg, Pittsburgh 22, Pa
American Brake Shoe Co, 230 Park Ave, N Y 17
American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio

ALLOYS, NICKEL-CHROMIUM, continued

Armco Steel Corp, 703 Curtis St, Middletown, Ohio
Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Bethlehem Steel Co, Bethlehem, Pa
Carpenter Steel Co, 101 Bern St, Reading, Pa
Cooper Alloy Foundry Co, 130 Bloy St, Hillside 5, N J
Duraloy Co, Scottdale, Pa
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Gen Alloys Co, 405 W 1 St, Boston, Mass
Haynes Stellite Co, 30 E 42 St, N Y 17
Hoskins Mfg Co, 4445 Lawton Ave, Detroit, Mich
Illium Corp, P O Box 478, Freeport, Ill
International Nickel Co, 67 Wall St, N Y 5
C O Jelliff Mfg Corp, 200 Pequot Rd, Southport, Conn
Lebanon Steel Foundry, Lebanon, Pa
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
U S Steel Co, 525 Wm Penn Pl, Pittsburgh 30, Pa
Wall-Colmonoy Corp, 19345 John R St, Detroit 3, Mich

ALLOYS, PRECIOUS METALS

American Platinum Works, 231 N J Ave, Newark 5, N J
Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Goldsmith Bros Smelting & Refg Co, 109 N Wabash Ave, Chicago, Ill
Metals & Controls Corp, 24 Forest St, Attleboro, Mass

ALLOYS, SILVER

American Platinum Works, 231 N J Ave, Newark 5, N J
Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Cooper Alloy Foundry Co, 130 Bloy St, Hillside 5, N J
Goldsmith Bros Smelting & Refg Co, 109 N Wabash Ave, Chicago, Ill
Handy & Harman, 82 Fulton St, N Y 38
Metals & Controls Corp, 24 Forest St, Attleboro, Mass

ALLOYS, STAINLESS STEEL

Allegheny Ludlum Steel Corp, 2020 Oliver Bldg, Pittsburgh 22, Pa
American Brake Shoe Co, 230 Park Ave, N Y 17
American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
Armco Steel Corp, 703 Curtis St, Middletown, Ohio
G O Carlson, Thorndale, Pa
Carpenter Steel Co, 101 Bern St, Reading, Pa
Cooper Alloy Foundry Co, 130 Bloy St, Hillside 5, N J
Crucible Steel Co of America, 405 Lexington Ave, N Y 17
Duraloy Co, Scottdale, Pa
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Gen Alloys Co, 405 W 1 St, Boston, Mass
Lebanon Steel Foundry, Lebanon, Pa
Metals & Controls Corp, 24 Forest St, Attleboro, Mass
A B Murray Co, 649 Green Lane, Elizabeth, N J
Republic Steel Corp, Republic Bldg, Cleveland 1, Ohio
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
Sharon Steel Corp, Sharon, Pa
Tri-Clover Mach Co, Kenosha, Wis
U S Steel Co, 525 Wm Penn Pl, Pittsburgh 30, Pa
Wiley Alloy Tube Co, 600 W 138 St, Riverdale, Ill

ALLOYS, TIN

Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Eagle-Picher Co, American Bldg, Cincinnati 1, Ohio
Republic Metals Co, 273 Green St, Bklyn, N Y

ALLOYS, TITANIUM

Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Bethlehem Steel Co, Bethlehem, Pa
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
U S Steel Co, 525 Wm Penn Pl, Pittsburgh 30, Pa

ALLOYS, TUNGSTEN

Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Bethlehem Steel Co, Bethlehem, Pa
Carpenter Steel Co, 101 Bern St, Reading, Pa

ALLOYS, ZINC

Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Republic Metals Co, 273 Green St, Bklyn, N Y

ALUMINUM (INGOTS, SHAPES, ETC.)

Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Harvey Mach Co, 19200 S Western Ave, Torrance, Cal
International Selling Corp, 70 Pine St, N Y
William F Jobbins, P O Box 230, Aurora, Ill
Kaiser Aluminum & Chem Sales, Kaiser Bldg, Oakland 12, Cal
Reynolds Metals Co, 2500 S 3 St, Louisville 1, Ky

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Lead	Sulfamate Lead Salts, Addition Agents
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Tin	Halogen Tin Addition Agent, Sodium Stannate
Zinc	"Zin-O-Lyte" Zinc Plating Salts and Addition Agents, Zinc Cyanide, Zinc Dust, "Durobrite" Addition Agent 300, Addition Agent 774
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Gen Elec Co, Schenectady 5, N Y

AMMONIA OXIDATION EQUIPMENT

Acme Coppersmithing & Mach Co, Oreland, Pa
Chicago Stainless Equipment Co, 5001 Elston Ave, Chicago 30, Ill
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa

ANODES, BRASS

American Brass Co, Waterbury 20, Conn
Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Enthone Inc, 442 Elm St, New Haven, Conn
Hanson-Van Winkle-Munning Co, Matawan, N J
Munning & Munning, 202 Emmett St, Newark, N J

ANODES, BRONZE

American Brass Co, Waterbury 20, Conn
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Hanson-Van Winkle-Munning Co, Matawan, N J
Munning & Munning, 202 Emmett St, Newark, N J

ANODES, CADMIUM

Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Enthone Inc, 442 Elm St, New Haven, Conn
Hanson-Van Winkle-Munning Co, Matawan, N J
Harshaw Chem Co, 1945 E 97 St, Cleveland 6, Ohio
International Selling Corp, 70 Pine St, N Y
Munning & Munning, 202 Emmett St, Newark, N J

ANODES, COPPER

American Brass Co, Waterbury 20, Conn
Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Enthone Inc, 442 Elm St, New Haven, Conn
Hanson-Van Winkle-Munning Co, Matawan, N J
Harshaw Chem Co, 1945 E 97 St, Cleveland 6, Ohio
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Munning & Munning, 202 Emmett St, Newark, N J

ANODES, LEAD

Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Eagle-Picher Co, American Bldg, Cincinnati 1, Ohio
Enthone Inc, 442 Elm St, New Haven, Conn
Hanson-Van Winkle-Munning Co, Matawan, N J
Harshaw Chem Co, 1945 E 97 St, Cleveland 6, Ohio
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
Lead Lined Iron Pipe Co, Wakefield, Mass
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Munning & Munning, 202 Emmett St, Newark, N J
United Chromium, 100 E 42 St, N Y 17
U S Stoneware Co, 60 E 42 St, N Y

ANODES, METALS AND ALLOYS

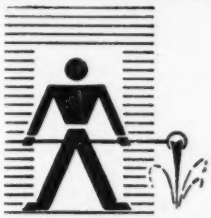
Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
E I Du Pont de Nemours & Co Inc, Electrochem Dept, Wilmington 98, Del
Hanson-Van Winkle-Munning Co, Matawan, N J

ANODES, NICKEL

Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Enthone Inc, 442 Elm St, New Haven, Conn
Hanson-Van Winkle-Munning Co, Matawan, N J
Harshaw Chem Co, 1945 E 97 St, Cleveland 6, Ohio
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Munning & Munning, 202 Emmett St, Newark, N J

ANODES, PLATINUM

American Platinum Works, 231 N J Ave, Newark 5, N J
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Goldsmith Bros Smelting & Refg Co, 109 N Wabash Ave, Chicago, Ill
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Metals & Controls Corp, 24 Forest St, Attleboro, Mass



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Handy & Harman, 82 Fulton St, N Y 38
Hanson-Van Winkle-Munning Co, Matawan, N J
Metals & Controls Corp, 24 Forest St, Attleboro, Mass
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Munning & Munning, 202 Emmett St, Newark, N J

ANODES, TIN

Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
E I Du Pont de Nemours & Co, Electrochem Dept, Wilmington 98, Del
Eagle-Picher Co, American Bldg, Cincinnati 1, Ohio
Enthone Inc, 332 Elm St, New Haven, Conn
Hanson-Van Winkle-Munning Co, Matawan, N J
Harshaw Chem Co, 1945 E 97 St, Cleveland 6, Ohio
Lead Lined Iron Pipe Co, Wakefield, Mass
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Munning & Munning, 202 Emmett St, Newark, N J

APPARATUS, X-RAY DIFFRACTION

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ASBESTOS FILTERING

Colorado Asbestos & Mining Co, 200 Plain St, S Braintree 85, Mass
Gatke Corp, 228 N LaSalle St, Chicago 1, Ill
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
F R Hormann & Co, 17 Stone St, Newark 4, N J
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
National Filter Corp, 147 W 22 St, N Y 11
Niagara Filter Corp, 309 Main St, Buffalo 14, N Y
Raybestos-Manhattan, Manheim, Pa
Wm W Stanley Co, 401 Broadway, N Y
Union Asbestos & Rubber Co, 332 S Mich Ave, Chicago, Ill

ASBESTOS, MOLDED

Gatke Corp, 228 N LaSalle St, Chicago 1, Ill
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Keasbey & Mattison Co, Butler Ave, Ambler, Pa
Pabco Products, 475 Brannan St, San Francisco 19, Cal
Raybestos-Manhattan, Manheim, Pa

ASH HANDLING SYSTEMS

G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
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Fairfield Engrg Co, Marion, Ohio
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
National Conveyors Co, 50 Church St, N Y 7
Samuel Olson Mfg Co, 2418 Bloomingdale Ave, Chicago 47, Ill
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill

AUTOCLAVES, HIGH PRESSURE

Acme Coppersmithing & Mach Co, Oreland, Pa
American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Autoclave Engrs, 860 E 19 St, Erie, Pa
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Bethlehem Steel Co, Bethlehem, Pa
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Chemtech Products Corp, 62 William St, N Y 5
Chicago Stainless Equipment Co, 5001 Elston Ave, Chicago 30, Ill
Combustion Engr-Superheater, 200 Madison Ave, N Y 16
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Edgemoor Iron Works, Edgemoor, Del
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Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Jerguson Gage & Valve Co, Somerville, Mass
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
H W North Co, E 13 & Parade Sts, Erie, Pa
Parr Instrument Co, 211 53 St, Moline, Ill
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Struthers Wells Corp, S Franklin St, Titusville, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
Union Iron Works, 15 & Cascade Sts, Erie, Pa
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wurster & Sanger, 5201 S Kenwood Ave, Chicago 15, Ill
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

AUTOCLAVES, INDUSTRIAL

Acme Coppersmithing & Mach Co, Oreland, Pa
Aetna Scientific Co, 2 & Spring Sts, Everett 49, Mass
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Autoclave Engrs, 860 E 19 St, Erie, Pa
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Bethlehem Steel Co, Bethlehem, Pa
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Chicago Stainless Equipment Co, 5001 Elston Ave, Chicago 30, Ill
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Edgemoor Iron Works, Edgemoor, Del
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Foster-Wheeler Corp, 165 Broadway, N Y 6
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Lynchburg Foundry Co, Lynchburg, Va
New England Tank & Tower Co, Everett, Mass

3 REAL MONEY SAVERS



• **POLYETHYLENE LINERS & BAGS**

Lightweight, tough, non-shatterable, non-corrodable, non-toxic, non-rusting, odorless and tasteless. Resistant to alcohol, oils, chemicals and solvents at room temperature. Manufactured by Bar-Heat-Seal Process - Waterproof. Save money . . . prevent spoilage. Solve your packaging and preserving problems. Made to your specifications. Write for our new, low prices.

Also Manufacturer polyethylene circular discs for bottle, jar caps and drum heads.

• **TRANSPARENT BARREL or DRUM COVERS**

Made from tough vinyl with elastic. Fits drums or barrels from 5 gal. to 75 gal. capacity. Prevents materials from being exposed to the elements after container has been opened. Saves time and money. Gives more service than wooden barrel-heads or drum lids.

500 or more . . . 35¢ ea.
100 to 500 . . . 40¢ ea.
Less than 100 . . . 45¢ ea.

PRACTICAL UTILITY APRONS

Made of heavy gauge tough vinyl. Easy to clean with damp cloth. Won't crack or peel. Full cut to protect clothes. Colors Black, brown, maroon, white or clear.

50 or more . . . 75¢ ea.
Less than 50 . . . $1.00 ea.

Vinyl & Polyethylene Sheeting Sold by the yard.

PELAMAY *Products*

629 2nd Ave., N. Y. 16, N. Y. LE-2-0570

AUTOCLAVES, INDUSTRIAL, continued

Nooter Corp, 1400 S 2 St, St Louis 4, Mo
H W North Co, E 13 & Parade Sts, Erie, Pa
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Struthers Wells Corp, S Franklin St, Titusville, Pa
Union Iron Works, 15 & Cascade Sts, Erie, Pa
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

AUTOCLAVES, LABORATORY

Aetna Scientific Co, 2 & Spring Sts, Everett 49, Mass
American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Autoclave Engrs, 860 E 19 St, Erie, Pa
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Chemtech Products Corp, 62 William St, N Y 5
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Edgemoor Iron Works, Edgemoor, Del
Glascote Products, 20900 St Clair Ave, Cleveland 17, Ohio
Emil Greiner Co, 20-26 N Moore St, N Y 13
International Engrg, Dayton 1, Ohio
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Parr Instrument Co, 211 53 St, Moline, Ill
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Struthers Wells Corp, S Franklin St, Titusville, Pa
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wilkens-Anderson Co, 4525 W Div St, Chicago 51, Ill
Will Corp, Rochester 3, N Y

BABBITT METAL

American Brake Shoe Co, 230 Park Ave, N Y 17
Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Eagle-Picher Co, American Bldg, Cincinnati 1, Ohio
Republic Metals Co, 273 Green St, Bklyn, N Y
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill

BAG CLOSING MACHINES

Bemis Bro Bag Co, 111-N N 4 St, St Louis 2, Mo
I N Breetwor & Associates, 4005 Wilshire Blvd, Los Angeles 5, Cal
Consolidated Packaging Machy Corp, 1400 West Ave, Buffalo 13, N Y
Miller Wrapping & Sealing Mach Co, 18 S Clinton St, Chicago 6, Ill
St Regis Sales Corp, 230 Park Ave, N Y 17
Saranac Mach Co, Benton Harbor, Mich
Stokes & Smith Co, 5010 Summerdale Ave, Phila 24, Pa
Triangle Package Machy Co, 6633-55 W Diversey Ave, Chicago 35, Ill

BAG TIES, WIRE

Fulton Bag & Cotton Mill, Box 1726, Atlanta 1, Ga
St Regis Sales Corp, 230 Park Ave, N Y 17

BAGS, BURLAP

Bemis Bro Bag Co, 111-N N 4 St, St Louis 2, Mo
Chase Bag Co, 309 W Jackson Blvd, Chicago 6, Ill
Cincinnati Industries, 502 Station Ave, Cincinnati 15, Ohio
Fulton Bag & Cotton Mill, Box 1726, Atlanta 1, Ga
Mente & Co, 1401 Montegut St, New Orleans 17, La
Werthan Bag Corp, 1400 8 Ave N, Nashville, Tenn

BAGS, CANVAS

Bemis Bro Bag Co, 111-N N 4 St, St Louis 2, Mo
Chase Bag Co, 309 W Jackson Blvd, Chicago 6, Ill
Filtrine Mfg Co, 52 Lexington Ave, Bklyn 5, N Y
Fulton Bag & Cotton Mill, Box 1726, Atlanta 1, Ga
W A Kates Co, 430 Waukegan Rd, Deerfield, Ill
Wm W Stanley Co, 401 Broadway, N Y

BAGS, FILTER (COTTON OR WOOL)

American Wheelabrator & Equipment Corp, 827 S Byrkit St, Mishawaka, Ind
Bemis Bro Bag Co, 111-N N 4 St, St Louis 2, Mo
I N Breetwor & Associates, 4005 Wilshire Blvd, Los Angeles 5, Cal
Chase Bag Co, 309 W Jackson Blvd, Chicago 6, Ill
Enthone Inc, 442 Elm St, New Haven, Conn
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Filtrine Mfg Co, 52 Lexington Ave, Bklyn 5, N Y
Independent Filter Press Co, 240 48 St, Bklyn 20, N Y
Johnson & Johnson, 4949 W 65 St, Chicago 38, Ill
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
National Filter Media Corp, 1717 Dixwell Ave, New Haven 14, Conn
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Northern Blower Co, 6418 Barberton Ave, Cleveland 2, Ohio
Wm W Stanley Co, 401 Broadway, N Y
L C Thomsen & Sons, 1303 43 St, Kenosha, Wis
U S Hoffman Mach Co, 219 Lamson St, Syracuse 6, N Y

BAGS, FILTER (GLASS)

American Wheelabrator & Equipment Corp, 827 S Byrkit St, Mishawaka, Ind
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
National Filter Media Corp, 1717 Dixwell Ave, New Haven 14, Conn
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Wm W Stanley Co, 401 Broadway, N Y

BAGS, MULTI-WALL, PAPER

Arkell & Smith, Mill St, Canajoharie, N Y
Arkell Safety Bag Co, 10 E 40 St, N Y 17
Chase Bag Co, 309 W Jackson Blvd, Chicago 6, Ill
Bemis Bro Bag Co, 111-N N 4 St, St Louis 2, Mo
Equitable Paper Bag Co, 45-50 Van Dam St, L I C, N Y
Fulton Bag & Cotton Mill, Box 1726, Atlanta 1, Ga
Kraft Bag Corp, 630 5 Ave, N Y
Thos Phillips Co, 23 W Exchange St, Akron 8, Ohio
Raymond Bag Co, Enoch Dr, Middletown, Ohio
St Regis Paper Co, 230 Park Ave, N Y 17
Union Bag & Papper Co, Woolworth Bldg, N Y 7
Universal Paper Co, New Hope, Pa

BAGS, PAPER

Arkell & Smiths, Mill St, Canajoharie, N Y
Arkell Safety Bag Co, 10 E 40 St, N Y 17
Bemis Bro Bag Co, 10 E 40 St, St Louis 2, Mo
Chase Bag Co, 309 W Jackson Blvd, Chicago 6, Ill
Cincinnati Industries, 502 Station Ave, Cincinnati 15, Ohio
Equitable Paper Bag Co, 45-50 Van Dam St, L I C, N Y
Fulton Bag & Cotton Mill, Box 1726, Atlanta 1, Ga
Gaylord Container Corp, 111 N 4 St, St Louis 2, Mo
Gulf State Paper Corp, Tuscaloosa, Ala
Kennedy Car Liner & Bag Co, 16 Prospect Ave, Shelbyville, Ind
Kraft Bag Corp, 630 5 Ave, N Y
Thos Phillips Co, 23 W Exchange St, Akron 8, Ohio
Raymond Bag Co, Enoch Dr, Middletown, Ohio
St Regis Sales Corp, 230 Park Ave, N Y 17
Union Bag & Paper Co, Woolworth Bldg, N Y 7

BAGS, POLYETHYLENE-LINED

Arkell & Smiths, Mill St, Canajoharie, N Y
Arkell Safety Bag Co, 10 E 40 St, N Y 17
Bemis Bro Bag Co, 111-N N 4 St, St Louis 2, Mo
I N Breetwor & Associates, 4005 Wilshire Blvd, Los Angeles 5, Cal
Chase Bag Co, 309 W Jackson Blvd, Chicago 6, Ill
Cincinnati Industries, 502 Station Ave, Cincinnati 15, Ohio
Equitable Paper Bag Co, 45-50 Van Dam St, L I C, N Y
Fulton Bag & Cotton Mill, Box 1726, Atlanta 1, Ga
Kennedy Car Liner & Bag Co, 16 Prospect Ave, Shelbyville, Ind
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Pelamay Products, 629 2 Ave, N Y 16
St Regis Paper Co, 230 Park Ave, N Y 17
Wm W Stanley Co, 401 Broadway, N Y

BAGS, VALVE, PAPER

Arkell & Smiths, Mill St, Canajoharie, N Y
Arkell Safety Bag Co, 10 E 40 St, N Y 17
Bemis Bro Bag Co, 111-N N 4 St, St Louis 2, Mo
Chase Bag Co, 309 W Jackson Blvd, Chicago 6, Ill
Equitable Paper Bag Co, 45-50 Van Dam St, L I C, N Y
Fulton Bag & Cotton Mill, Box 1726, Atlanta 1, Ga
Kraft Bag Corp, 630 5 Ave, N Y
Thos Phillips Co, 23 W Exchange St, Akron 8, Ohio
Raymond Bag Co, Enoch Dr, Middletown, Ohio
St Regis Paper Co, 230 Park Ave, N Y 17
Union Bag & Paper Co, Woolworth Bldg, N Y 7
Universal Paper Co, New Hope, Pa

BAGS, WATERPROOF

Arkell Safety Bag Co, 10 E 40 St, N Y 17
I N Breetwor & Associates, 4005 Wilshire Blvd, Los Angeles 5, Cal
Bemis Bro Bag Co, 111-N N 4 St, St, Louis 2, Mo
Chase Bag Co, 309 W Jackson Blvd, Chicago 6, Ill
Cincinnati Industries, 502 Station Ave, Cincinnati 15, Ohio
Equitable Paper Bag Co, 45-50 Van Dam St, L I C, N Y
Fulton Bag & Cotton Mill, Box 1726, Atlanta 1, Ga
Kennedy Car Liner & Bag Co, 16 Prospect Ave, Shelbyville, Ind
Mente & Co, 1401 Montegut St, New Orleans 17, La
Pelamay Products, 629 2 Ave, N Y 16
Reynolds Metals Co, 2500 S 3 St, Louisville 1, Ky
St Regis Paper Co, 230 Park Ave, N Y 17

BAGS, WAXED

Arkell Safety Bag Co, 10 E 40 St, N Y 17
Chase Bag Co, 309 W Jackson Blvd, Chicago 6, Ill
Cincinnati Industries, 502 Station Ave, Cincinnati 15, Ohio
Equitable Paper Bag Co, 45-50 Van Dam St, L I C, N Y
Filtrine Mfg Co, 52 Lexington Ave, Bklyn 5, N Y
Fulton Bag & Cotton Mill, Box 1726, Atlanta 1, Ga
Kennedy Car Liner & Bag Co, 16 Prospect Ave, Shelbyville, Ind

BALANCES, ANALYTICAL

Wm Aimsworth & Sons, 2151 Lawrence St, Denver 2, Col
Christian Becker, Clifton, N J
Harry W Dietert Co, 9330 Roselawn Ave, Detroit 4, Mich
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Arthur H Thomas Co, 230 S 7 St, Phila, Pa
Torsion Balance Co, Clifton, N J
Wilkens-Anderson Co, 4525 W Div St, Chicago 51, Ill
Will Corp, Rochester 3, N Y

BALL MILL LININGS

American Brake Shoe Co, 230 Park Ave, N Y 17
Babcock & Wilcox, 85 Liberty St, N Y 6
Denver Equipment Co, 1400 17 St, Denver 17, Col
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Elmco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Foster-Wheeler Corp, 165 Broadway, N Y 6
Hardinge Co, 240 Arch St, York, Pa
International Engrg, Dayton 1, Ohio
Locke Dept, Gen Elec Co, P O Box 57, Baltimore 3, Md
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
George G Rodgers Co, 2401 3 Ave, N Y 51
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col

BALLS, FLOAT

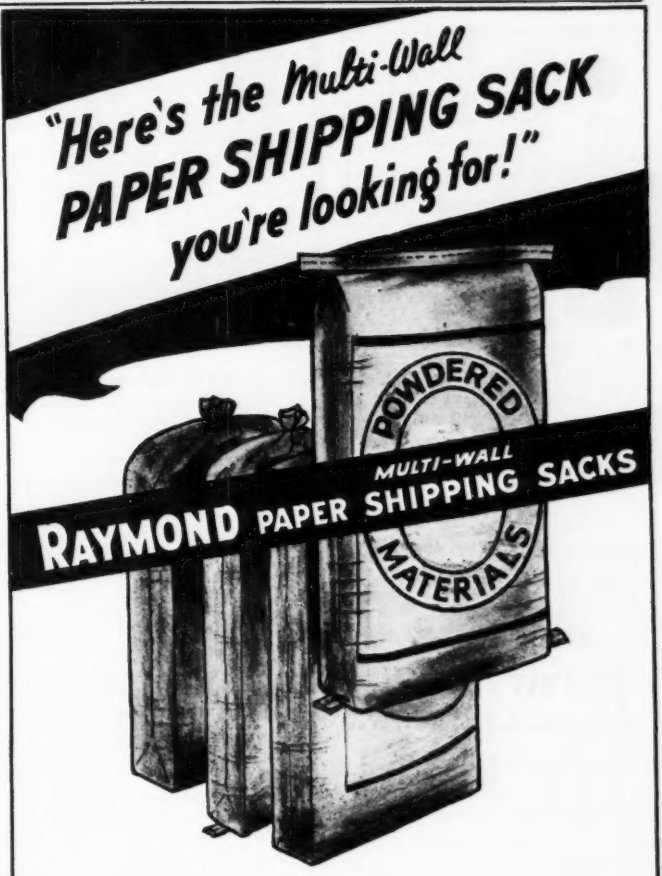
Armstrong Cork Co, 985 Concord Ave, Lancaster, Pa
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Black, Sivalls & Bryson Eng, 15 N Cincinnati St, Tulsa, Okla
Luzerne Rubber Co, Trenton 7, N J
Metal Products Corp, 50 W 19 St, Weehawken, N J
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa

BALLS FOR BALL MILLS

Babcock & Wilcox, 85 Liberty St, N Y 6
Colorado Fuel & Iron Corp, P O Box 1920, Denver 1, Col
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Hardinge Co, 240 Arch St, York, Pa
Illinois Elec Porcelain Co, Box 272 Macomb, Ill
International Engrg, Dayton 1, Ohio
Locke Dept, Gen Elec Co, P O Box 57, Baltimore 3, Md
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
George G Rodgers Co, 2401 3 Ave, N Y 51
U S Stoneware Co, 60 E 42 St, N Y
Will Corp, Rochester 3, N Y

BAROMETERS

Bristol Co, Platts Mills, Waterbury, Conn
Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Harry W Dietert Co, 9330 Roselawn Ave, Detroit 4, Mich
Eberbach Corp, 200 E Liberty St, Ann Arbor, Mich



These tough, strong, dependable Shipping Sacks, with their trade names sparkling in fresh, clean, brilliant colors, express the high quality of your products. Made of specially prepared, heavy Kraft Paper, they are sift-proof, dust-proof, and water-resistant.

They are CUSTOM BUILT to your requirements in various sizes, types, and strengths—*made with valve or open mouth, pasted or sewn.*

Leading producers, packers, and shippers of crushed, powdered, and granulated chemicals specify Raymond Multi-Wall Paper Shipping Sacks for their needs. Available PRINTED or PLAIN.

THE RAYMOND BAG COMPANY
MIDDLETOWN, OHIO



3 REAL MONEY SAVERS

• POLYETHYLENE LINERS & BAGS

Lightweight, tough, non-shatterable, non-corrodable, non-toxic, non-rusting, odorless and tasteless. Resistant to alcohol, oils, chemicals and solvents at room temperature. Manufactured by Bar-Heat-Seal Process - Waterproof. Save money . . . prevent spoilage. Solve your packaging and preserv problems. Made to your specifications. Write for our new, low prices.

Also Manufacturer polyethylene circular discs for bottle, jar caps and drum heads.

• TRANSPARENT BARREL or DRUM COVERS

Made from tough vinyl with elastic. Fits drums or barrels from 5 gal. to 75 gal. capacity. Prevents materials from being exposed to the elements after container has been opened. Saves time and money. Gives more service than wooden barrel-heads or drum lids.

500 or more . . . 35c ea.
100 to 500 . . . 40c ea.
Less than 100 . . . 45c ea.

PRACTICAL UTILITY APRONS

Made of heavy gauge tough vinyl. Easy to clean with damp cloth. Won't crack peel. Full cut to protect clothes. Colors: Black, brown, maroon, white or clear.

50 or more . . . 75c ea.
Less than 50 . . . $1.00 ea.

Vinyl & Polyethylene Sheeting Sold by the yard.

PELAMAY *Products*

629 2nd Ave., N. Y. 16, N. Y. LE-2-0570

BAROMETERS, continued

Emil Greiner Co, 20-26 N Moore St, N Y 13
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Uehling Instrument Co, 468 Getty Ave, Paterson 3, N J
Wallace & Tiernan, 1 Main St, Belleville, N J
Weston Elec Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
Will Corp, Rochester 3, N Y

BARREL COVERS, VINYL PLASTIC

Pelamay Products, 629 2 Ave, N Y 16

BARREL LIFTERS

G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Economy Engrg Co, 4523 W Lake St, Chicago 24, Ill
Enzinger Union Corp, Angola, N Y
Hodgson Engrg & Mfg Co, 1507 E 7 St, Tulsa 10, Okla
Lewis-Shepard Products, 119 Walnut St, Watertown 72, Mass
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Mercer-Robinson Co, 30 Church St, N Y 7
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Revolvator Co, 2019 86 St, N Bergen, N J
Sabin Mach Co, 6536 Carnegie Ave, Cleveland 3, Ohio
Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14, Ill

BARREL LINERS

Arkell Safety Bag Co, 10 E 40 St, N Y 17
Belke Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
Bemis Bro Bag Co, 111-N N 4 St, St Louis 2, Mo
I N Breetwor & Associates, 4005 Wilshire Blvd, Los Angeles 5, Cal
Chase Bag Co, 309 W Jackson Blvd, Chicago 6, Ill
Cincinnati Industries, 502 Station Ave, Cincinnati 15, Ohio
Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
Kennedy Car Liner & Bag Co, 16 Prospect Ave, Shelbyville, Ind
Pelamay Products, 629 2 Ave, N Y 16

BARREL STANDS

Allied Steel & Equipment Co, Dept N, Chester, N J
Economy Engrg Co, 4523 W Lake St, Chicago 24, Ill
Fairbanks Co, 393 Lafayette St, N Y 3
Hodgson Engrg & Mfg Co, 1507 E 7 St, Tulsa 10, Okla



Hackney Welded Type Drum, with Toggle-tite quick - action closure

Aluminum, Steel and Stainless Steel
REMOVABLE HEAD DRUMS AND BARRELS

Hackney *Returnable* Drums and Barrels are ruggedly constructed to assure a long lasting container supply. These containers permit easy removal of contents because openings are unobstructed. Chime construction leaves no cracks or crevices, making the drums easy to clean. Removable heads, forming airtight cover, are held snugly to curled edges of container by toggle-tite or single bolt type clamp rings. Hackney removable head barrels and drums conform to ICC specifications. Write for complete details.



Hackney Seamless Bilged Barrel, with bolt-type closure.

Hackney PRESSED STEEL TANK COMPANY
Manufacturer of Hackney Products
1499 S. 66th St., Milwaukee 14 • 1306 Vanderbilt Concourse Bldg., New York 17 • 208 S. LaSalle St., Room 795, Chicago 4
202 Hanna Bldg., Cleveland 15 • 936 W. Peachtree St., N.W. Room 116, Atlanta 3 • 556 Roosevelt Bldg., Los Angeles 14

BARREL STANDS, continued

Metal Products Corp, 50 W 19 St, Weehawken, N J
Revolvator Co, 2019 86 St, N Bergen, N J
West Bend Equipment Co, West Bend, Wis

BARREL TILTERS

G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Economy Engrg Co, 4523 W Lake St, Chicago 23, Ill
Hanson-Van Winkle-Munning Co, Matawan, N J
Hodgson Engrg & Mfg Co, 1507 E 7 St, Tulsa 10, Okla
Industrial Products Co, 3015 N 4 St, Phila 33, Pa
Lewis-Sheoard Products, 119 Walnut St, Watertown 72, Mass
Mercer-Robinson Co, 30 Church St, N Y 7
Metal Products Corp, 50 W 19 St, Weehawken, N J
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Revolvator Co, 2019 86 St, N Bergen, N J
U S Stoneware Co, 60 E 42 St, N Y
Whiting Corp, Swenson Evaporator Div, Harvey, Ill
Will Corp, Rochester 3, N Y

BARRELS

Buckeye Cooperage Co, 3800 Orange Ave, Cleveland 15, Ohio
Continental Can Co, 100 E 42 St, N Y 17
Inland Steel Container Co, P O Box 902, Milwaukee 1, Wis
Pressed Steel Tank Co, 1499 S 66 St, Milwaukee 14, Wis
Rheem Mfg Co, 570 Lexington Ave, N Y 22
U S Rubber Co, 1230 6 Ave, N Y 20
U S Steel Products Co, 30 Rockefeller Plaza, N Y 20
Virginia Barrel Co, Box 86 Mariners Harbor Sta, Staten Island, N Y

BARRELS, ALUMINUM

Aluminum Co of America, 801 Gulf Bldg, Pittsburgh 19, Pa
Kaiser Aluminum & Chem Sales, Kaiser Bldg, Oakland 12, Cal
Pressed Steel Tank Co, 1499 S 66 St, Milwaukee 14, Wis
Reynolds Metals Co, 2500 S 3 St, Louisville 1, Ky

BARRELS, FIBER

Buckeye Cooperage Co, 3800 Orange Ave, Cleveland 15, Ohio
Carpenter Container Corp, P O Box 398, Lindenhurst, N Y
Continental Can Co, 100 E 42 St, N Y 17
Fibre Drum Co, 20 N Wacker St, Chicago 6, Ill
Grief Bros Cooperage Corp, 175 E Hoffman Ave, Lindenhurst, N Y
Virginia Barrel Co, Box 86 Mariners Harbor Sta, Staten Island, N Y

BARRELS, REMOVABLE COVER

Buckeye Cooperage Co, 3800 Orange Ave, Cleveland 15, Ohio
Chase Bag Co, 309 W Jackson Blvd, Chicago 6, Ill
Niles Steel Products Div, 465 Walnut St, Niles, Ohio
Pressed Steel Tank Co, 1499 S 66 St, Milwaukee 14, Wis
Rheem Mfg Co, 570 Lexington Ave, N Y 22
Southline Metal Products Co, 2115 Sabine St, Houston, Tex
U S Steel Products Co, 30 Rockefeller Plaza, N Y 20

BARRELS, RUBBER-LINED

American Hard Rubber Co, 11 Mercer St, N Y 13
Atlas Mineral Products Co, Mertztown, Pa
Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
Belke Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio

BARRELS, RUBBER-LINED, continued

J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Munning & Munning, 202 Emmett St, Newark, N J
Pressed Steel Tank Co, 1499 S 66 St, Milwaukee 14, Wis
Raybestos-Manhattan, 61 Willet St, Passaic, N J
Trent Inc, 4585 Wilde St, Phila 27, Pa
U S Rubber Co, 1230 6 Ave, N Y 20
U S Stoneware Co, 60 E 42 St, N Y

BARRELS, STEEL

Buckeye Cooperage Co, 3800 Orange Ave, Cleveland 15, Ohio
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
Crown Cork & Seal Co, Eastern Ave & Kresson St, Baltimore 3, Md
Inland Steel Container Co, P O Box 902, Milwaukee 1, Wis
Niles Steel Products Div, 465 Walnut St, Niles, Ohio
Pressed Steel Tank Co, 1499 S 66 St, Milwaukee 14, Wis
Republic Steel Corp, Republic Bldg, Cleveland, Ohio
Rheem Mfg Co, 570 Lexington Ave, N Y 22
Southline Metal Products Co, 2115 Sabine St, Houston, Tex
Trent Inc, 4585 Wilde St, Phila 27, Pa
U S Steel Products Co, 30 Rockfeller Plaza, N Y 20
Virginia Barrel Co, Box 86 Mariners Harbor Sta, Staten Island, N Y
Wheeling Steel Corp, Wheeling, W Va

BARRELS, WOOD

Associated Cooperage Industries of America, 408 Olive St, St Louis 2, Mo
Buckeye Cooperage Co, 3800 Orange Ave, Cleveland 15, Ohio
Virginia Barrel Co, Box 86, Mariners Harbor Sta, Staten Island, N Y

BASE PLATES

Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Distillation Products Industries, Rochester 3, N Y
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio

BASKETS, ALLOY

S Blickman, 3100 Gregory Ave, Weehawken, N J
American Brake Shoe Co, 230 Park Ave, N Y 17
American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Gen Alloys Co, 405 W 1 St, Boston, Mass
C O Jelliff Mfg Corp, 200 Pequot Rd, Southport, Conn
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
Metal Products Corp, 50 W 19 St, Weehawken, N J
Mich Wire Cloth Co, 2055 Howard St, Detroit 16, Mich
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
Pressed Steel Co, 705 N Pennsylvania Ave, Wilkes-Barre, Pa
W S Tyler Co, 3615 Superior Ave, Cleveland 14, Ohio

BASKETS, CENTRIFUGAL

Bird Mach Co, S Walpole, Mass
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Enthone Inc, 442 Elm St, New Haven, Conn
Hanson-Van Winkle-Munning Co, Matawan, N J
C O Jelliff Mfg Corp, 200 Pequot Rd, Southport, Conn
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Will Corp, Rochester 3, N Y

BASKETS, HARD RUBBER

American Hard Rubber Co, 11 Mercer St, N Y 13
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Enthone Inc, 442 Elm St, New Haven, Conn
Luzerne Rubber Co, Trenton 7, N J
Stokes Molded Products, Trenton 4, N J
U S Rubber Co, 1230 6 Ave, N Y 20

BASKETS, RUBBER COVERED

American Hard Rubber Co, 11 Mercer St, N Y 13
Atlas Mineral Products Co, Mertztown, Pa
Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
Belke Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Enthone Inc, 442 Elm St, New Haven, Conn
Gates Rubber Co, 999 S Broadway, Denver 17, Col
Hanson-Van Winkle-Munning Co, Matawan, N J
C O Jelliff Mfg Corp, 200 Pequot Rd, Southport, Conn
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Raybestos-Manhattan, 61 Willet St, Passaic, N J
U S Rubber Co, 1230 6 Ave, N Y 20

BASKETS, STONEWARE

Enthone Inc, 442 Elm St, New Haven, Conn
Hanson-Van Winkle-Munning Co, Matawan, N J
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
U S Stoneware Co, 80 E 42 St, N Y

BATHS, BABBITT METAL

Republic Metals Co, 273 Green St, Bklyn, N Y
Trent Inc, 4585 Wilde St, Phila 27, Pa

BATHS, CONSTANT TEMPERATURE

American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
Bowser Inc, Terryville, Conn
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Emil Greiner Co, 20-26 N Moore St, N Y 13
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 11, Ill
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Tenney Engrg, 26 Ave B, Newark 5, N J
Will Corp, Rochester 3, N Y

BATHS, OIL

Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Emil Greiner Co, 20-26 N Moore St, N Y 13
Will Corp, Rochester 3, N Y

BATHS, WATER

Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Emil Greiner Co, 20-26 N Moore St, N Y 13
Kewaunee Mfg Co, Adrian, Mich
Lab Furniture Co, P O Box 590, Mineola, N Y
Metal Products Corp, 50 W 19 St, Weehawken, N J
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Will Corp, Rochester 3, N Y

BEARINGS

American Brake Shoe Co, 230 Park Ave, N Y 17
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Apex Non-Ferrous Foundry, 7424 Bessemer Ave, Cleveland 27, Ohio
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Bower Roller Bearing Co, 3040 Hart Ave, Detroit, Mich
Farley M Caldwell, 1107 Richwood Ave, Cincinnati 26, Ohio
Frick Co, Waynesboro, Pa
Gen Motors Corp, Hyatt Bearings Div, Harrison, N J
Kaydon Engrg Corp, Muskegon, Mich
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Timken Roller Bearing Co, 1835 Dueber Ave S W, Canton 6, Ohio

BEARINGS, ACID RESISTING

American Brake Shoe Co, 230 Park Ave, N Y 17
Apex Non-Ferrous Foundry, 7424 Bessemer Ave, Cleveland 27, Ohio
Farley M Caldwell, 1197 Richwood Ave, Cincinnati 26, Ohio
Gatke Corp, 228 N LaSalle St, Chicago 1, Ill
Morganite Inc, 33-04 48 Ave, L I C 1, N Y
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill

Hotpack

ELECTRIC BATHS

CONSTANT TEMPERATURE

Accurate Temperature to 0.2° C. Plus or Minus—Agitator to Maintain Uniformity—Cooling Coil for Below Room Temperature—Stainless Steel Construction.

The series 300 Baths are designed for laboratories requiring constant temperature with a high degree of accuracy. Temperatures up to 100° C. can be developed within an accuracy of plus or minus 1/5 of 1° C. Typical uses include specific gravity determinations, conductivity tests, physio-chemical and botanical experiments.

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THE ELECTRIC Hotpack CO. INC.
5035 COTTMAN AVE. · PHILA. 35, PENNA.

BELLOWS, BRASS, BRONZE

Chicago Metal Hose Co, 1315 S 3 St, Maywood, Ill
Cook Elec Co, 2700 Southport St, Chicago 14, Ill

BELLOWS, STAINLESS STEEL

Chicago Metal Hose Co, 1315 S 3 St, Maywood, Ill
Cook Elec Co, 2700 Southport St, Chicago 14, Ill
Croll Reynolds Co, 17 John St, N Y 38
Fitchburg Foundry, Fitchburg, Mass
Zalea Bros, Taylor & Locust Sts, Wilmington 99, Del

BELTING (CONVEYOR & ELEVATOR)

Barber-Greene Co, 631 W Park St, Aurora, Ill
Berlin Chapman Co, Berlin, Wis
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Buffalo Weaving & Belting Co, 260 Chandler St, Buffalo 7, N Y
Cambridge Wire Cloth Co, 1518 Washington Blvd, Cambridge, Md
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Colorado Fuel & Iron Corp, P O Box 1920, Denver 1, Col
Continental Gin Co, P O Box 2614, Birmington 2, Ala
A B Farquhar Co, 142 N Duke St, York, Pa
Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
Goodyear Tires & Rubber Co, 1144 E Market St, Akron 16, Ohio
Great Western Mfg Co, Leavenworth, Kan
George Haiss Mfg Co, 381 Canal Pl, Bronx 51, N Y
Hamilton Rubber Mfg Corp, Mead St, Trenton 3, N J
Hewitt-Robins, Hewitt Rubber Div, 240 Kensington Ave, Buffalo 5, N Y
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
Pioneer Rubber Mills, 353 Sacramento St, San Francisco 11, Cal
H K Porter Co, 4915 Comly St, Wissinoming, Phila 24, Pa
Raybestos-Manhattan, 61 Willet St, Passaic, N J
Republic Rubber Div, Lee Rubber & Tire Corp, Albert St, Youngstown 1, Ohio
U S Rubber Co, 1230 6 Ave, N Y 20
U S Steel Supply Co, 208 S LaSalle St, Chicago 4, Ill

BELTING, POWER TRANSMISSION

American Pulley Co, 4200 Wissahickon Ave, Phila 29, Pa
Boston-Woven Hose & Rubber Co, 29 Hampshire St, Cambridge, Mass
Broadway Rubber Corp, 539 E Broadway, Louisville 2, Ky
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Continental Gin Co, P O Box 2614, Birmingham 2, Ala
Dayton Rubber Mfg Co, 2342 W Riverview Ave, Dayton 1, Ohio
Garlock Packing Co, Palmyra, N Y
Gates Rubber Co, 999 S Broadway, Denver 17, Col
Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
Graton & Knight Co, 356 Franklin St, Worcester 4, Mass
Great Western Mfg Co, Leavenworth, Kan
Hamilton Rubber Mfg Corp, Mead St, Trenton 3, N J
Hewitt-Robins, Hewitt Rubber Div, 240 Kensington Ave, Buialo 5, N Y
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
Pioneer Rubber Mills, 353 Sacramento St, San Francisco 11, Cal
H K Porter Co, 4915 Comly St, Wissinoming, Phila 24, Pa
Raybestos-Manhattan, 61 Willet St, Passaic, N J
Republic Rubber Div, Lee Rubber & Tire Corp, Youngstown 1, Ohio
J E Rhoads & Sons, 35 N 6 St, Phila 6, Pa
U S Rubber Co, 1230 6 Ave, N Y 20
U S Rubber Co, L H Gilmer Div, Tacony, Phila 35, Pa
U S Steel Supply Co, 208 S LaSalle St, Chicago 4, Ill

BELTS, RUBBER

American Brake Shoe Co, 230 Park Ave, N Y 17
Boston-Woven Hose & Rubber Co, 29 Hampshire St, Cambridge, Mass
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Buffalo Weaving & Belting Co, 20 Chandler St, Buffalo 7, N Y
Dayton Rubber Mfg Co, 2342 W Riverview Ave, Dayton 1, Ohio
Gates Rubber Co, 999 S Broadway, Denver 17, Col
Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
Halmilton Rubber Mfg Corp, Mead St, Trenton 3, N J
Hewitt-Robins, Hewitt Rubber Div, 240 Kensington Ave, Buffalo 5, N Y
Pioneer Rubber Mills, 353 Sacramento St, San Francisco 11, Cal
H K Porter Co, 4915 Comly St, Wissinoming, Phila 24, Pa
Raybestos-Manhattan, 61 Willet St, Passaic, N J
Republic Rubber Div, Lee Rubber & Tire Corp, Albert St, Youngstown 1, Ohio
U S Rubber Co, 1230 6 Ave, N Y 20
U S Rubber Co, L H Gilmer Div, Tacony, Phila 35, Pa

BELTS, V

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
American Pulley Co, 4200 Wissahickon Ave, Phila 29, Pa
Boston-Woven & Rubber Co, 29 Hampshire St, Cambridge, Mass
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Continental Gin Co, P O Box 2614, Birmingham 2, Ala
Dayton Rubber Mfg Co, 2342 W Riverview Ave, Dayton 1, Ohio
Gates Rubber Co, 999 S Broadway, Denver 17, Col
Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
Great Western Mfg Co, Leavenworth, Kan
H K Porter Co, 4915 Comly St, Wissinoming, Phila 24, Pa
Raybestos-Manhattan, 61 Willet St, Passaic, N J
U S Rubber Co, 1230 6 Ave, N Y 20
U S Rubber Co, L H Gilmer Div, Tacony, Phila 35, Pa
U S Steel Supply Co, 208 LaSalle St, Chicago 4, Ill

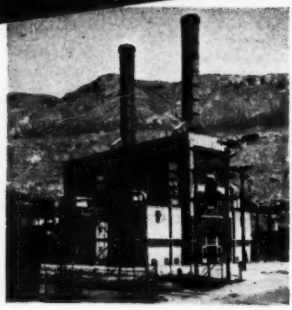
BENDERS, TUBE

Appleton Elec Co, 1713 W Wellington Ave, Chicago 13, Ill
Parker Appliance Co, 17325 Euclid Ave, Cleveland 12, Ohio
Joseph T Ryerson & Son, Box 8000-A, Chicago, Ill
U S Steel Supply Co, 208 S LaSalle St, Chicago 4, Ill
Wallace Supplies Mfg Co, 1300-1312 Diversey Pkwy, Chicago 14, Ill
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

BINS

G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Bethlehem Steel Co, Bethlehem, Pa
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Day Co, 810 3 Ave N E, Minneapolis 13, Minn
Glasco Equipment Corp, 6 Wait St, Paterson 4, N J
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ill

BOILERS



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BINS, continued

Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Littleford Bros, 453 Pearl St, Cincinnati 2, Ohio
Neff & Frey Co, 164 Elm St, Camden, Ohio
Nicholson Co, 10 Rockefeller Plaza, N Y 20
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Peerless Bread Machy Corp, Park St, Sidney, Ohio
Pittsburgh Des Moines Steel Co, Neville Island Sta, Pittsburgh 25, Pa
Read Standard Corp, York, Pa
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J
Smith Engrg Works, 532 E Capitol Dr, Milwaukee 12, Wis
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
W H Treadwell Co, 140 Cedar St, N Y 6
Universal Engrg Corp, 625 C Ave N W, Cedar Rapids, Iowa

BLOWERS, CENTRIFUGAL

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
American Blower Corp, 8111 Tireman St, Detroit 32, Mich
Bryant Industrial Div, 17825 St Clair Ave, Cleveland 10, Ohio
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Chicago Pump Co 2336 Wolfram St, Chicago 18, Ill
Coppus Engrg Corp, 344 Park Ave, Worcester 2, Mass
Day Co, 810 3 Ave N E, Minneapolis 13, Minn
De Laval Steam Turbine Co, 853 Nottingham Way, Trenton 2, N J
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Elliott Co, 900 N 4 St, Jeannette, Pa
Enthone Inc, 442 Elm St, New Haven, Conn
Green Fuel Economizer Co, Beacon, N Y
I L G Elec Ventilating Co, 2850 N Pulaski Ave, Chicago 41, Ill
Ingersoll-Rand Co, Phillipsburg, N J
Lamson Corp, Lamson St, Syracuse 1, N Y
J C Miller Co, 631 Chestnut St, S W, Grand Rapids Mich
North American Mfg Co, 4455 E 71 St, Cleveland 5, Ohio
Northern Blower Co, 6418 Barberton Ave, Cleveland 2, Ohio
Power Engrg Corp, 205 W Wacker Dr, Chicago 16, Ill
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Spencer Turbine Co, 484 New Park Ave, Hartford 6, Conn
Trane Co, 300 Cameron Ave, La Crosse, Wis

BLOWERS, CENTRIFUGAL, continued

U S Hoffman Machy Corp, 105 4 Ave, N Y 3
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa
L J Wing Mfg Co, 300 Vreeland Mills Rd, Linden, N J

BLOWERS, LABORATORY

Besler Corp, 4053 Harlan St, Emeryville, Cal
Eberbach Corp, 200 E Liberty St, Ann Arbor, Mich
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Joy Mfg Co, Oliver Bldg, Pittsburgh 22, Pa
Lab Furniture Co, P O Box 590, Mineola, N Y
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
J C Miller Co, 631 Chestnut St S W, Grand Rapids, Mich
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa

BLOWERS, PORTABLE

Besler Corp, 4053 Harlan St, Emeryville, Cal
Chelsea Products, 639 South Ave, Plainfield, N J
Coppus Engrg Corp, 344 Park Ave, Worcester 2, Mass
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal

BLOWERS, TURBINE

Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Coppus Engrg Corp, 344 Park Ave, Worcester 2, Mass
De Laval Steam Turbine Co, 853 Nottingham Way, Trenton 2, N J
Elliott Co, 900 N 4 St, Jeannette, Pa
Lamson Corp, Lamson St, Syracuse 1, N Y
L J Wing Mfg Co, 300 Vreeland Mills Rd, Linden, N J

BOILER FEED WATER SYSTEMS

Atlas Valve Co, 282 South St, Newark 2, N J
Clayton Mfg Co, Box 550, El Monte, Cal
Cleaver-Brooks Co, 326 E Keefe Ave, Milwaukee 12, Wis
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Cyclotherm Corp, 157 E 1 St, Oswego, N Y
Dorr Co, Barry Pl, Stamford, Conn
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gasoline Plant Construction Corp, Neils Esperson Bldg, Houston 2, Tex
Graver Water Conditioning Co, 216 W 14 St, N Y 11
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Illinois Water Treatment Co, 858 Cedar St, Rockford, Ill
Inflico Inc, Box 5033, Tucson, Ariz
Johns-Manville Sales Corp, 22 E 40 St, N Y 16
McDonnell & Miller, 3500 N Spaulding Ave, Chicago 18, Ill
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Proportioneers Inc, 406 Harris Ave, Providence, R I
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Whittington Pump & Engrg Corp, 1126 Prospect St, Indianapolis 3, Ind
York-Shipley, Jessop Pl & P R R, York, Pa

BOILERS, FIRE TUBE

Ames Iron Works, Oswego, N Y
Anterberger Bros, Northbrook, Ill
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Cleaver-Brooks Co, 326 E Keefe Ave, Milwaukee 12, Wis
Combustion Engr-Superheater, 200 Madison Ave, N Y 16
Cyclotherm Corp, 157 E 1 St, Oswego, N Y
Edgemoor Iron Works, Edgemoor, Del
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Struthers Wells Corp, S Franklin St, Titusville, Pa
Union Iron Works, 15 & Cascade Sts, Erie, Pa
York-Shipley, Jessop Pl & P R R, York, Pa

BOILERS, HIGH PRESSURE

Ames Iron Works, Oswego, N Y
Autoclave Engrs, 860 E 19 St, Erie, Pa
Babcock & Wilcox, 85 Liberty St, N Y 6
Besler Corp, 4053 Harlan St, Emeryville, Cal
Cleaver-Brooks Co, 326 E Keefe Ave, Milwaukee 12, Wis
Combustion Engrs-Superheater, 200 Madison Ave, N Y 16
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Cyclotherm Corp, 157 E 1 St, Oswego, N Y
Edgemoor Iron Works, Edgemoor, Del
Foster-Wheeler Corp, 165 Broadway, N Y 6
Riley Stoker Corp, 9 Neponset St, Worcester 6, Mass
Struthers Wells Corp, S Franklin St, Titusville, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Union Iron Works, 15 & Cascade Sts, Erie, Pa
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
York-Shipley, Jessop Pl & P R R, York, Pa

BOILERS, WASTE HEAT

Babcock & Wilcox, 85 Liberty St, N Y 6
Combustion Engr-Superheater, 200 Madison Ave, N Y 16
Condenser Service & Engrg Co, 95 River St, Hoboken, N J

BLOWERS, WASTE HEAT, continued

Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Edgemoor Iron Works, Edgemoor, Del
Foster-Wheeler Corp, 165 Broadway, N Y 6
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Struthers Wells Corp, S Franklin St, Titusville, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Union Iron Works, 15 & Cascade Sts, Erie, Pa
Yale & Towne Mfg Co, 200 Henry St, Stamford, Conn
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
Whitlock Mfg Co, 74 South St, Hartford 10, Conn

BOILERS, WATER TUBE

Babcock & Wilcox, 85 Liberty St, N Y 6
Clayton Mfg Co, Box 550, El Monte, Cal
Combustion Engr-Superheater, 200 Madison Ave, N Y 16
Condenser Service & Engrg Co, 95 River St, N J
Edgemoor Iron Works, Edgemoor, Del
Foster-Wheeler Corp, 165 Broadway, N Y 6
Riley Stoker Corp, 9 Neponset St, Worcester 6, Mass
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Struthers Wells Corp, S Franklin St, Titusville, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Union Iron Works, 15 & Cascade Sts, Erie, Pa
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky

BOMBS, OXYGEN

Alloy Products Co, 1045 Perkins Ave, Waukesha, Wis
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
A B Murray Co, 649 Green Lane, Elizabeth, N J
Parr Instrument Co, 211 53 St, Moline, Ill
Will Corp, Rochester 3, N Y

BOOSTERS

Bryant Industrial Div, 17825 St Clair Ave, Cleveland 10, Ohio
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Lummus Co, 385 Madison Ave, N Y 17
Pneumatic Scale Corp, 68 Newport Ave, N Quincy 71, Mass
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa

BOOSTERS, PRESSURE

Beach-Russ Co, 44 Church St, N Y
Black, Sivalls & Bryson Eng, 15 N Cincinnati St, Tulsa, Okla
Frick Co, Waynesboro, Pa
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal

BOTTLE CAPPING MACHINES

Anchor Hocking Glass Corp, Lancaster, Ohio
Cherry-Burrel Corp, 427 W Randolph St, Chicago 6, Ill
Consolidated Packaging Machy Corp, 1400 West Ave, Buffalo 13, N Y
Crown Cork & Seal Co, Eastern Ave & Kresson St, Baltimore 3, Md
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Scientific Filter Co, 57 Rose St, N Y 7
Tite-Cap Mach Co, 57 Rose St, N Y 7

BOTTLE FILLING MACHINES

Cherry-Burrell Corp, 427 W Randolph St, Chicago 6, Ill
Crown Cork & Seal Co, Eastern Ave & Kresson St, Baltimore 3, Md
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Karl Kiefer Mach Co, 919 Martin St, Cincinnati 2, Ohio
M R M Co, 191 Berry St, Bklyn, N Y
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Ogden Filter Corp, 4214 Santa Monica Blvd, Los Angeles 29, Cal
Pneumatic Scale Corp, 68 Newport Ave, N Quincy 71, Mass
George G Rodgers Co, 2401 3 Ave, N Y 51
Scientific Filter Co, 57 Rose St, N Y 7
Stokes & Smith Co, 5010 Summerdale Ave, Phila 24, Pa
Triangle Package Machy Co, 6633-55 W Diversey Ave, Chicago 35, Ill

BOTTLE SHAKING MACHINES

J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
International Equipment Co, 1284 Soldiers Field Rd, Boston 35, Mass
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Will Corp, Rochester 3, N Y

BOTTLES, GLASS

Anchor Hocking Glass Corp, Lancaster, Ohio
Armstrong Cork Co, 985 Concord Ave, Lancaster, Pa
Corning Glass Works, Corning, N Y
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Owens-Illinois Glass Co, Ohio Bank Bldg, Toledo 1, Ohio
Spencer Turbine Co, New Park Ave No 484, Hartford, Conn

BOTTLES, HARD RUBBER

American Hard Rubber Co, 11 Mercer St, N Y 13
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Luzerne Rubber Co, Trenton 7, N J
National Lead Co, 111 Broadway, N Y 6
Stokes Molded Products, Trenton 4, N J

BOTTLES, PLASTIC

Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Plax Corp, 450 Asylum St, Hartford 1, Conn
Will Corp, Rochester 3, N Y

BOTTLES, WOULFF

Corning Glass Works, Corning, N Y
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill

BOXES, CARBURIZING

American Brake Shoe Co, 230 Park Ave, N Y 17
American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
Duraloy Co, Scottdale, Pa
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Gen Alloys Co, 405 W 1 St, Boston, Mass
National Annealing Box Co, Washington, Pa
Pressed Steel Co, 705 N Pennsylvania Ave, Wilkes-Barre, Pa

BOXES, FIBRE

Fibreboard Products, 1789 Montgomery St, San Francisco 6, Cal
Robert Gair Co, 155 E 44 St, N Y 17
Gaylord Container Corp, 111 N 4 St, St Louis 2, Mo

BOXES, METAL

American Can Co, 100 Park Ave, N Y 17
Bonney Forge & Tool Works, Durham & Meadow Sts, Allentown, Pa
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
Edwards Mfg Co, 5 & Butler Sts, Cincinnati 2, Ohio
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Falstrom Co, 9 Falstrom Court, Passaic, N J
Gen American Trans Corp, Field Bldg, Chicago 90, Ill
Glasco Equipment Corp, 6 Wait St, Paterson 4, N J
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
Republic Steel Corp, Republic Bldg, Cleveland, Ohio
Revere Copper & Brass, 230 Park Ave, N Y 17
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Union Metal Mfg Co, 1432 Maple Ave N E, Canton, Ohio
Jervis B Webb Co, 8951 Alpine Ave, Detroit, Mich

BOXES, SHIPPING

Fibreboard Products, 1789 Montgomery St, San Francisco 6, Cal
Gaylord Container Corp, 111 N 4 St, St Louis 2, Mo
Glasco Equipment Corp, 6 Wait St, Paterson 4, N J
Hinde & Dauch Paper Co, 407 Decatur St, Sandusky, Ohio
G B Lewis Co, 426 Montgomery St, Watertown, Wis
National Box & Lumber Co, 222 Pacific St, Newark 5, N J
Revere Copper & Brass, 230 Park Ave, N Y 17
Union Metal Mfg Co, 1432 Maple Ave N E, Canton, Ohio

BRAKES, MAGNETIC

Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis
Gen Elec Co, Schenectady 5, N Y
Stearns Magnetic Mfg Co, 672 S 28 St, Milwaukee 46, Wis

BRASS (INGOTS, SHAPES)

American Brake Shoe Co, 230 Park Ave, N Y 17
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Revere Copper & Brass, 230 Park Ave, N Y 17

BREAKERS, CIRCUIT

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Appleton Elec Co, 1713 W Wellington Ave, Chicago 13, Ill
Belke Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis
Gen Elec Co, Schenectady 5, N Y
I T E Circuit Breaker Co, 505 N 19 St, Phila 30, Pa
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa

BREAKERS, COAL

Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Pennsylvania Crusher Co, 1721 Liberty Trust Bldg, Phila 7, Pa
Revere Copper & Brass, 230 Park Ave, N Y 17

BREATHERS, STORAGE TANK

Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Pittsburgh Lectrodryer Corp, Box 1766, Pittsburgh 30, Pa
Protectoseal Co, 1904 S Western Ave, Chicago 8, Ill
Vapor Recovery Systems Co, 2820 N Alameda St, Compton 2, Cal

BRICK, ACID RESISTING

Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
Ceilcote Co, 4832 Ridge Rd, Cleveland 9, Ohio
Custodis Contruction Co, 25 Broadway, N Y 4
Electro Chem Engrg & Mfg Co, 752 Broad St, Emmaus, Pa
Hanley Co, 101 Park Ave, N Y 17
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
Illinois Elec Porcelain Co, Box 272, Macomb, Ill
J C Miller Co, 631 Chestnut St S W, Grand Rapids, Mich
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
U S Stoneware Co, 60 E 42 St, N Y

BRICK, CARBON

Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
British-American Carbon Corp, 18 E 48 St, N Y
Electro Chem Engrg & Mfg Co, 752 Broad St, Emmaus, Pa
Hanson-Van Winkle-Munning Co, Matawan, N J
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
J C Miller Co, 631 Chestnut St S W, Grand Rapids, Mich

BRICK, INSULATING

Armstrong Cork Co, 985 Concord Ave, Lancaster, Pa
Babcock & Wilcox, 85 Liberty St, N Y 6
Carborundum Co, Perth Amboy, N J
Denver Fire Clay Co, 2301 Blake St, Denver 17, Col
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
J C Miller Co, 631 Chestnut St S W, Grand Rapids, Mich
Mullite Refractories Co, 29 Canal, Shelton, Conn
National Lead Co, 111 Broadway, N Y 6
North American Refractories Co, 1012 National City Bldg, E 6 St, Cleveland 14, Ohio
Norton Co, 1 New Bond St, Worcester 6, Mass

BRICK, PORCELAIN

J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Illinois Elec Porcelain Co, Box 272, Macomb, Ill
Locke Dept, Gen Elec Co, P O Box 57, Baltimore, Md
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
U S Stoneware Co, 60 E 42 St, N Y

BRICK, REFRACTORY

Babcock & Wilcox, 85 Liberty St, N Y 6
Denver Fire Clay Co, 2301 Blake St, Denver 17, Col
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Kaiser Aluminum & Chem Sales, Kaiser Bldg, Oakland 12, Cal
Mullite Refractories Co, 29 Canal, Shelton, Conn
National Lead Co, 111 Broadway, N Y 6
North American Refractories Co, 1012 National City Bldg, E 6 St, Cleveland 14, Ohio
Norton Co, 1 New Bond St, Worcester 6, Mass
Pacific Clay Products, 306 W Ave 26, Los Angeles 31, Cal

BRICK, SILICA

Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
North American Refractories Co, 1012 National City Bldg, E 6 St, Cleveland 14, Ohio

BRICK, SILICON CARBIDE

Carborundum Co, Perth Amboy, N J
Norton Co, 1 New Bond St, Worcester 6, Mass

BRIDGES, CONDUCTIVITY

Allied Steel & Equipment Co, Dept N, Chester, N J
Gen Radio Co, 275 Mass Ave, Cambridge 39, Mass
Industrial Instrument, 17 Pollack Ave, Jersey City 5, N J
Leeds & Northrup Co, 4970 Stenton Ave, Phila 44, Pa
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Rubicon Co, Ridge Ave at 35 St, Phila 32, Pa
Will Corp, Rochester 3, N Y

BRONZE, ACID-RESISTING (BARS, RODS, SHEETS, ETC.)

American Brass Co, Waterbury 20, Conn
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn

BRUSHES, ELECTRIC GENERATOR

Belke Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
Elliott Co, 900 N 4 St, Jeannette, Pa
Graphite Metallizing Corp, 1008 Nepperhan Ave, Yonkers, N Y
Hanson-Van Winkle-Munning Co, Matawan, N J
J C Miller Co, 631 Chestnut St S W, Grand Rapids, Mich
Morganite Inc, 33-04 48 Ave, L I C 1, N Y
Munning & Munning, 202 Emmett St, Newark, N J
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa

BRUSHES, ELECTRIC MOTOR

Elliott Co, 900 N 4 St, Jeannette, Pa
Graphite Metallizing Corp, 1008 Nepperhan Ave, Yonkers, N Y
Morganite Inc, 33-04 48 Ave, L I C 1, N Y
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa

BUCKETS, ACID RESISTING

American Hard Rubber Co, 11 Mercer St, N Y 13
Apex Elec Mfg Co, 7424 Bessemer Ave, Cleveland 27, Ohio
Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
Automotive Rubber Co, 8601 Epsworth Blvd, Detroit 4, Mich
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
Lead Lined Iron Pipe Co, Wakefield, Mass
Luzerne Rubber Co, Trenton 7, N J
Metal Products Corp, 50 W 19 St, Weehawken, N J
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Stokes Molded Products, Trenton 4, N J
U S Stoneware Co, 60 E 42 St, N Y

BUCKETS, CLAMSHELL

Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Orton Crane & Shovel Co, 608 S Dearborn St, Chicago 5, Ill
Wellman Engrg Co, 7009 Central Ave, Cleveland, Ohio

BUCKETS, DRAGLINE

Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Wellman Engrg Co, 7000 Central Ave, Cleveland, Ohio

BUCKETS, ELEVATOR AND CONVEYOR

Barber-Greene Co, 631 W Park St, Aurora, Ill
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Beaumont Birch Co, 1526 Race St, Phila 2, Pa
Berlin Chapman Co, Berlin, Wis
Bodinson Mfg Co, 2401 Bayshore Blvd, San Francisco 24, Cal
Brady Conveyors Corp, 23 W Jackson St, Chicago 4, Ill
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Chem Engrg Service, 374½ S Washington, Green Bay, Wis

BUCKETS, ELEVATOR AND CONVEYOR, continued

Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Continental Gin Co, P O Box 2614, Birmingham 2, Ala
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Eimco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Fairfield Engrg Co, Marion, Ohio
Great Western Mfg Co, Leavenworth, Kan
George Hass Mfg Co, 381 Canal Pl, Bronx 51, N Y
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Hendrick Mfg Co, 75 Dundaff St, Carbondale, Pa
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
International Engrg, Dayton 1, Ohio
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Lippman Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Munson Mill Machy Co, 200 Seward Ave, Utica, N Y
Pekay Mach & Engrg Co, 100 N LaSalle St, Chicago, Ill
Read Standard Corp, York, Pa
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Union Chain & Mfg Co, 1936 Emmens St, Sandusky, Ohio
Universal Rd Mach Co, Emerick St, Kingston, N Y
Webster Mfg Co, Tiffin, Ohio

BUCKETS, SKIP HOIST

G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Beaumont Birch Co, 1526 Race St, Phila 2, Pa
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Fairfield Engrg Co, Marion, Ohio
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
J C Miller Co, 631 Chestnut St S W, Grand Rapids, Mich
National Engrg Co, 549 W Washington Blvd, Chicago, Ill
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill

BURETTES, AUTOMATIC

Ascher & Porter Co, Hatboro, Pa
Emil Greiner Co, 20-26 N Moore St, N Y 13
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Scientific Glass Apparatus Co, Bloomfield, N J

BURNERS, GAS

Anthony Co, 47-33 5 St, L I C 1, N Y
Babcock & Wilcox, 85 Liberty St, N Y 6
Bryant Industrial Div, 17825 St Clair Ave, Cleveland 10, Ohio
Chiksan Co, Brea, Cal
Cleaver-Brooks Co, 326 E Keefe Ave, Milwaukee 12, Wis
Coppus Engrg Corp, 344 Park Ave, Worcester 2, Mass
Denver Fire Clay Co, 2301 Blake St, Denver 17, Col
Enthone Inc, 442 Elm St, New Haven, Conn
Hauck Mfg Co, 123-133 10 St, Bklyn 15, N Y
C M Kemo Mfg Co, 405 E Oliver St, Baltimore 2, Md
S P Kinney Engrs, 201 2 Ave, Carnegie, Pa
Mid-Continent Metal Products Co, 1960 N Clybourn Ave, Chicago 14, Ill
National Airoil Burner Co, 1348 E Sedgley Ave, Phila 34, Pa
North American Mfg Co, 4455 E 71 St, Cleveland 5, Ohio
Ozark-Mahoning Co, 310 W 6 St, Tulsa, Okla
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Surface Combustion Corp, 2375 Dorr St, Toledo, Ohio
Vanor Recovery Systems Co, 2820 N Alameda St, Compton 2, Cal
York-Shipley, Jessop Pl & P R R, York, Pa
J A Zurn Mfg Co, 1801 Pittsburgh Ave, Erie, Pa

BURNERS, LABORATORY

Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Denver Fire Clay Co, 2301 Blake St, Denver 17, Col
J E Doyle Co, 1220 W 6 St, Cleveland 13, Ohio
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Metalab Equipment Corp, 270 Duffy Ave, Hicksville, L I, N Y
J C Miller Co, 631 Chestnut St S W, Grand Rapics, Mich
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Arthur H Thomas Co, 230 S 7 St, Phila, Pa
Torit Mfg Co, 292 Walnut & Exchange Sts, St Paul, Minn

BURNERS, OIL

Anthony Co, 47-33 5 St, L I C 1, N Y
Babcock & Wilcox, 85 Liberty St, N Y 6
Cleaver-Brooks Co, 326 E Keefe Ave, Milwaukee 12, Wis
Coppus Engrg Corp, 344 Park Ave, Worcester 2, Mass
Denver Fire Clay Co, 2301 Blake St, Denver 17, Col
Engr Co, 75 West St, N Y 6
Gilbert & Barker Mfg Co, W Springfield, Mass
Hauck Mfg Co, 123-133 10 St, Bklyn 15, N Y
Lummus Co, 385 Madison Ave, N Y 17
National Airoil Burner Co, 1348 E Sedgley Ave, Phila 34, Pa
North American Mfg Co, 4455 E 71 St, Cleveland 5, Ohio
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
York-Shipley, Jessop Pl & P R R, York, Pa

BURNERS, OIL AND GAS COMBINATION

Anthony Co, 47-33 5 St, L I C 1, N Y
Babcock & Wilcox, 85 Liberty St, N Y 6
Cleaver-Brooks Co, 326 E Keefe Ave, Milwaukee 12, Wis
Coppus Engrg Corp, 344 Park Ave, Worcester 2, Mass
Engr Co, 75 West St, N Y 6
Hauck Mfg Co, 123-133 10 St, Bklyn 15, N Y
Lummus Co, 385 Madison Ave, N Y 17
National Airoil Burner Co, 1348 E Sedgley Ave, Phila 34, Pa
North American Mfg Co, 4455 E 71 St, Cleveland 5, Ohio
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Surface Combustion Corp, 2375 Dorr St, Toledo, Ohio
York-Shipley, Jessop Pl & P R R, York, Pa

BURNERS, SULFUR

Acme Coppersmithing & Mach Co, Oreland, Pa
Anthony Co, 47-33 5 St, L I C 1, N Y
Chem Construction Corp, 488 Madison Ave, N Y 20

BURNERS, TAR

Anthony Co, 47-33 5 St, L I C 1, N Y
Engr Co, 75 West St, N Y 6
Lummus Co, 385 Madison Ave, N Y 17
National Airoil Burner Co, 1348 E Sedgley Ave, Phila 34, Pa

BUSHINGS

American Brake Shoe Co, 230 Park Ave, N Y 17
Apex Non-Ferrous Foundry, 7424 Bessemer Ave, Cleveland 27, Ohio
Appleton Elec Co, 1713 W Wellington Ave, Chicago 11, Ill
Frick Co, Waynesboro, Pa
Graphite Metallizing Corp, 1008 Nepperhan Ave, Yonkers, N Y
Haynes Stellite Co, 30 E 42 St, N Y 17
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Morganite Inc, 33-04 48 Ave, L I C 1, N Y
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Stockham Valves & Fittings, P O Box 2592, Birmingham 2, Ala
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

CABINETS, DRYING

Bowser Inc, Terryville, Conn
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Oscar Fisher Co, 1000 N Div St, Peekskill, N Y
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Glasco Equipment Corp, 6 Wait St, Paterson 4, N J
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Metal Products Corp, 50 W 19 St, Weehawken, N J
Metalab Equipment Corp, 270 Duffy Ave, Hicksville, L I, N Y
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Steiner-Ives Co, 8-16 Ave L, Newark 5, N J
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Tenney Engrg, 26 Ave B, Newark 5, N J
Will Corp, Rochester 3, N Y

CABINETS, FIRST AID

Davis Emergency Equipment Co, 43 Halleck St, Newark 4, N J
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Industrial Products Co, 3015 N 4 St, Phila 33, Pa
Mine Safety Appliance Co, Braddock Ave, Pittsburgh 8, Pa
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio
Will Corp, Rochester 3, N Y

CABINETS, INSTRUMENT

Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Falstrom Co, 9 Falstrom Court, Passaic, N J
Lab Furniture Co, P O Box 590, Mineola, N Y
Metal Products Corp, 50 W 19 St, Weehawken, N J
Metalab Equipment Corp, 270 Duffy Ave, Hicksville, L I, N Y
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y

CABINETS, INSTRUMENT, continued

Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Tenney Engrg, 26 Ave B, Newark 5, N J

CABINETS, LABORATORY

Anterberger Bros, Northbrook, Ill
S Blickman, 3100 Gregory Ave, Weehawken, N J
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Kewaunee Mfg Co, Adrian, Mich
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Lab Furniture Co, P O Box 590, Mineola, N Y
Metal Products Corp, 50 W 19 St, Weehawken, N J
Metalab Equipment Corp, 270 Duffy Ave, Hicksville, L I, N Y
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Tenney Engrg, 26 Ave B, Newark 5, N J

CABLE, ELECTRIC

American Brass Co, Waterbury 20, Conn
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Gen Elec Co, 1285 Boston Ave, Bridgeport 2, Conn
Okonite Co, Passaic, N J
Reynolds Metal Co, 2500 S 3 St, Louisville, Ky
U S Rubber Co, 1230 6 Ave, N Y 20
Western Insulated Wire Co, 2425 30 St, Los Angeles 58, Cal

CALANDRIAS

Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Blaw-Knox Co, Blawnox, Pa
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Lummus Co, 385 Madison Ave, N Y 17
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Ross Heater & Mfg Co, 1434 West Ave, Buffalo, N Y
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
U S Pipe & Foundry Co, Pearl St, Burlington, N J
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

CALCINING EQUIPMENT

Acme Coppersmithing & Mach Co, Oreland, Pa
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Dorr Co, Barry Pl, Stamford, Conn
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
Nordberg Mfg Co, Milwaukee 7, Wis
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Struthers Wells Corp, S Franklin St, Titusville, Pa

CALORIMETERS

Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis
Emil Greiner Co, 20-26 N Moore St, N Y 13
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Parr Instrument Co, 211 53 St, Moline, Ill
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill

CAN FILLING MACHINES

Berlin Chapman Co, Berlin, Wis
Bowser Inc, 1307 E Creighton Ave, Fort Wayne, Ind
Crown Can Co, H St & Erie Ave, Phila, Pa
J L Ferguson Co, Route 52 at Republic Ave, Joliet, Ill
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Karl Kiefer Mach Co, 919 Martin St, Cincinnati, Ohio
M R M Co, 191 Berry St, Bklyn, N Y
Miller Wrapping & Sealing Mach Co, 18 S Clinton St Chicago 6, Ill
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
George G Rodgers Co, 2401 3 Ave, N Y 51
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Stokes & Smith Co, 5010 Summerdale Ave, Phila 24, Pa
Triangle Package Machy Co, 6633-55 W Diversey Ave, Chicago 35, Ill



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Continental "F" Style cans strike a high note in packaging chemical products from floor wax to radiator flush.

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CAN LABELING MACHINES

Burt Mach Co, 401-03 E Oliver St, Baltimore, Md
Potdevin Mach Co, 1282 38 St, Bklyn 18, N Y

CANS, FIBRE & METAL COMPOSITE

American Can Co, 100 Park Ave, N Y 17
Canister Co, Phillipsburg, N J
Cleveland Container Co, 6201 Barberton Ave, Cleveland 2, Ohio
Continental Can Co, 100 E 42 St, N Y 17
Reynolds Metals Co, 2500 S 3 St, Louisville 1, Ky
W C Ritchie & Co, 8817 Baltimore Ave, Chicago 17, Ill

CANS, FIBRE AND PAPER

American Can Co, 100 Park Ave, N Y 17
Cleveland Container Co, 6201 Barberton Ave, Cleveland 2, Ohio
Continental Can Co, 100 E 42 St, N Y 17
W C Ritchie & Co, 8817 Baltimore Ave, Chicago 17, Ill

CANS, LEAD

American Can Co, 100 Park Ave, N Y 17
Continental Can Co, 100 E 42 St, N Y 17
Crown Can Co, H St & Erie Ave, Phila, Pa
Crown Cork & Seal Co, Eastern Ave & Kresson St, Baltimore 3, Md
Geuder Paeschke & Frey Co, 303 N 15 St, Milwaukee 3, Wis
Sherwin-Williams Co, 100 Park Ave, N Y 17

CANS, SAFETY

Apex Elec Mfg Co, 7424 Bessemer Ave, Cleveland 27, Ohio
Crown Can Co, H St & Erie Ave, Phila, Pa
Metal Products Corp, 50 W 19 St, Weehawken, N J
Protectoseal Co, 1904 S Western Ave, Chicago 8, Ill
Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio
Witt Cornice Co, 2118 Winchell Ave, Cincinnati, Ohio

CANS, STEEL

Crown Can Co, H St & Erie Ave, Phila, Pa
Falstrom Co, 9 Falstrom Court, Passaic, N J
Geuder Paeschke & Frey Co, 303 N 15 St, Milwaukee 3, Wis
Glasco Equipment Corp, 6 Wait St, Paterson 4, N J
Inland Steel Container Co, P O Box 902, Milwaukee 1, Wis
Metal Products Corp, 50 W 19 St, Weehawken, N J
U S Steel Products Co, 30 Rockefeller Plaza, N Y 20
Wheeling Steel Corp, Wheeling, W Va
Witt Cornice Co, 2118 Winchell Ave, Cincinnati, Ohio

CANS, TIN

American Can Co, 100 Park Ave, N Y 17
Cans Inc, 3217 W 47 Pl, Chicago 32, Ill
Continental Can Co, 100 E 42 St, N Y 17
Crown Can Co, H St & Erie Ave, Phila, Pa
Crown Cork & Seal Co, Eastern Ave & Kresson St, Baltimore 3, Md
Palmer Supplies Co, 8905 Lake Ave, Cleveland 2, Ohio
Sherwin-Williams Co, 100 Park Ave, N Y 17

CAPPING MACHINERY

Consolidated Packaging Machy Corp, 1400 West Ave, Buffalo 13, N Y
Crown Cork & Seal Co, Eastern Ave & Kresson St, Baltimore 3, Md
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Scientific Filter Co, 57 Rose St, N Y 7
Tite-Cap Mach Co, 57 Rose St, N Y 7

CAPS, BOTTLE

Anchor Hocking Glass Corp, Lancaster, Ohio
Armstrong Cork Co, 985 Concord Ave, Lancaster, Pa
Continental Can Co, 100 E 42 St, N Y 17
Crown Cork & Seal Co, Eastern Ave & Kresson St, Baltimore 3, Md

CAPS AND SEALS, BOTTLE & METAL

Anchor Hocking Glass Corp, Lancaster, Ohio
Crown Cork & Seal Co, Eastern Ave & Kresson St, Baltimore 3, Md
Key Co, 2701 McCasland, E St Louis, Ill
Reynolds Metals Co, 2500 S 3 St, Louisville 1, Ky

CAPS AND SEALS, MOLDED

Anchor Hocking Glass Corp, Lancaster, Ohio
Armstrong Cork Co, 985 Concord Ave, Lancaster, Pa
E I Du Pont de Nemours & Co Inc, Film Dept, Wilmington 98, Del
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J

CAR LOADERS, PORTABLE

Barber-Greene Co, 631 W Park St, Aurora, Ill
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
A B Farquhar Corp, 142 N Duke St, York, Pa
Flexoveyor Mfg Co, 1220 S Acoma St, Denver 10, Col
George Haiss Mfg Co, 381 Canal Pl, Bronx 51, N Y
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Frank G Hough Co, Libertyville, Ill
Island Equipment Corp, 27-01 Bridge Plaza N, L I C 1, N Y
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Silent Hoist & Crane Co, 848 63 St, Bklyn 20, N Y
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill

CAR SPOTTERS

G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Bodinson Mfg Co, 2401 Bayshore Blvd, San Francisco 24, Cal
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Frank G Hough Co, Libertyville, Ill
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Silent Hoist & Crane Co, 848 63 St, Bklyn 20, N Y
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Webster Mfg Co, Tiffin, Ohio
Whiting Corp, Swenson Evaporator Div, Harvey, Ill

CARBON (RODS, BLOCKS, PASTE, ETC.)

Atlas Mineral Products Co, 39 Walnut St, Mertztown, Pa
British-American Carbon Corp, 18 E 48 St, N Y
Falls Industries, Aurora Rd, Solon, Ohio
Hanson-Van Winkle-Munning Co, Matawan, N J

CARBOY TILTING FRAMES

American Pulley Co, 4200 Wissahickon Ave, Phila 29, Pa
Economy Engrg Co, 4523 W Lake St, Chicago 23, Ill
Enthone Inc, 332 Elm St, New Haven, Conn
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Hanson-Van Winkle-Munning Co, Matawan, N J
Industrial Products Co, 3015 N 4 St, Phila 33, Pa
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Metal Products Corp, 50 W 19 St, Weehawken, N J
Metalab Equipment Corp, 270 Duffy Ave, Hicksville, L I, N Y
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Munning & Munning, 202 Emmett St, Newark, N J
Revolvator Co, 2019 86 St, N Bergen, N J
Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio
West Bend Equipment Co, West Bend, Wis

CARBOYS, GLASS

Corning Glass Works, Corning, N Y
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
National Box & Lumber Co, 222 Pacific St, Newark 5, N J
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa

CARBOYS, STAINLESS STEEL

I N Breetwor & Associates, 4005 Wilshire Blvd, Los Angeles 5, Cal
Metalab Equipment Corp, 270 Duffy Ave, Hicksville, L I, N Y

CARBOYS, STONEWARE

Metalab Equipment Corp, 270 Duffy Ave, Hicksville, L I, N Y
U S Stoneware Co, 60 E 42 St, N Y

CARTON HANDLING SYSTEMS

Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Island Equipment Corp, 27-01 Bridge Plaza N, L I C 1, N Y
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill

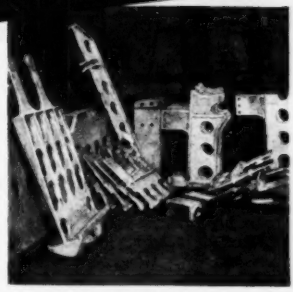
CARTON SEALING MACHINES

J L Ferguson Co, Route 52 at Republic Ave, Joliet, Ill
Pneumatic Scale Corp, 68 Newport Ave, N Quincy 71, Mass
Potdevin Mach Co, 1282 38 St, Bklyn 18, N Y
Stokes & Smith Co, 5010 Summerdale Ave, Phila 24, Pa
Triangle Package Machy Co, 6633-55 W Diversey Ave, Chicago 35, Ill

CARTONS, FOLDING

Robert Gair Co, 155 E 44 St, N Y 17
Gaylord Container Corp, 111 N 4 St, St Louis 2, Mo
W C Ritchie & Co, 8817 Baltimore Ave, Chicago 17, Ill

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BABCOCK & WILCOX

AS—302

CASE SEALING MACHINES

J L Ferguson Co, Route 52 at Republic Ave, Joliet, Ill
Pneumatic Scale Corp, 68 Newport Ave, N Quincy 71, Mass
Potdevin Mach Co, 1282 38 St, Bklyn 18, N Y
Stokes & Smith Co, 5010 Summerdale Ave, Phila 24, Pa

CASTINGS

American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Babcock & Wilcox, 85 Liberty St, N Y 6
Berlin Chapman Co, Berlin, Wis
Bethlehem Steel Co, Bethlehem, Pa
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Bonnot Co, Canton 2, Ohio
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Falk Corp, 3100 W Canal St, Milwaukee 8, Wis
Frick Co, Waynesboro, Pa
Goslin-Birmingham Mfg Co, Box 631, Birmingham, Ala
Haynes Stellite Co, 30 E 42 St, N Y 17
International Nickel Co, 67 Wall St, N Y 5
Key Co, 2701 McCasland, E St Louis, Ill
Lebanon Steel Foundry, Lebanon, Pa
Ohio Steel Foundry Co, 1075 James St, Springfield, Ohio
M H Treadwell Co, 140 Cedar St, N Y 6
U S Pipe & Foundry Co, Pearl St, Burlington, N J
Vilter Mfg Co, 2217 S 1 St, Milwaukee 7, Wis
Webster Mfg Co, Tiffin, Ohio

CASTINGS, ALLOY

Allegheny Ludlum Steel Corp, 2020 Oliver Bldg, Pittsburgh 22, Pa
American Brake Shoe Co, 230 Park Ave, N Y 17
American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
Apex Non-Ferrous Foundry, 7424 Bessemer Ave, Cleveland 27, Ohio
Arkell Safety Bag Co, 10 E 40 St, N Y 17
Babcock & Wilcox, 85 Liberty St, N Y 6
Bethlehem Steel Co, Bethlehem, Pa
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Bonnot Co, Canton 2, Ohio
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Cooper Alloy Foundry Co, 130 Bloy St, Hillside 5, N J
Duraloy Co, Scottdale, Pa

Carey

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PHILIP CAREY
MFG. CO.
Lockland, Cincinnati 15, Ohio
IN CANADA: The Philip Carey Co., Ltd. 277 Duke St., Montreal 3, P. Q.

CASTINGS, ALLOY, continued

Duriron Co, 450 N Finley St, Dayton 1, Ohio
Eimco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Gen Alloys Co, 405 W 1 St, Boston, Mass
Hardinge Co, 240 Arch St, York, Pa
Haynes Stellite Co, 30 E 42 St, N Y 17
Hills-McCanna Co, 3025 N Western Ave, Chicago 18, Ill
Key Co, 2701 McCasland, E St Louis, Ill
Lebanon Steel Foundry, Lebanon, Pa
Ohio Steel Foundry Co, 1075 James St, Springfield, Ohio
M H Treadwell Co, 140 Cedar St, N Y 6
Wall-Colmonoy Corp, 19345 John R St, Detroit 3, Mich
Wiley Alloy Tube Co, 600 W 138 St, Riverdale, Ill

CASTINGS, ALUMINUM

Aluminum Industries, 2438 Beekman St, Cincinnati 25, Ohio
Apex Non-Ferrous Foundry, 7424 Bessemer Ave, Cleveland 27, Ohio
Appleton Elec Co, 1713 W Wellington Ave, Chicago 11, Ill
Reynolds Metal Co, 2500 S 3 St, Louisville, Ky
Taco Heaters, 137 South St, Providence 3, R I
Vapor Recovery Systems Co, 2820 N Alameda St, Compton 2, Cal

CASTINGS, BRASS

American Brake Shoe Co, 230 Park Ave, N Y 17
Apex Non-Ferrous Foundry, 7424 Bessemer Ave, Cleveland 27, Ohio
Bethlehem Steel Co, Bethlehem, Pa
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill

CASTINGS, BRONZE

American Brake Shoe Co, 230 Park Ave, N Y 17
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Apex Non-Ferrous Foundry, 7424 Bessemer Ave, Cleveland 27, Ohio
Bethlehem Steel Co, Bethlehem, Pa
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Nordberg Mfg Co, Milwaukee 7, Wis
Vapor Recovery Systems Co, 2820 N Alameda St, Compton 2, Cal

CASTINGS, CHROMIUM STEEL

Allegheny Ludlum Steel Corp, 2020 Oliver Bldg, Pittsburgh 22, Pa
American Brake Shoe Co, 230 Park Ave, N Y 17
American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
Babcock & Wilcox, 85 Liberty St, N Y 6
Bethlehem Steel Co, Bethlehem, Pa
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Falk Corp, 3100 W Canal St, Milwaukee 8, Wis
Key Co, 2701 McCasland, E St Louis, Ill
Lebanon Steel Foundry, Lebanon, Pa
Ohio Steel Foundry Co, 1075 James St, Springfield, Ohio
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
M H Treadwell Co, 140 Cedar St, N Y 6

CASTINGS, IRON

American Brake Shoe Co, 230 Park Ave, N Y 17
American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Appleton Elec Co, 1713 W Wellington Ave, Chicago 11, Ill
Berlin Chapman Co, Berlin, Wis
Bonnot Co, Canton 2, Ohio
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis

CASTINGS, IRON, continued

Cooper-Bessemer Corp, P O Box 751, Mt Vernon, Ohio
Denver Equipment Co, 1400 17 St, Denver 17, Col
Fitchburg Foundry, Fitchburg, Mass
Goslin-Birmingham Mfg Co, Box 631, Birmingham, Ala
Green Fuel Economizer Co, Beacon, N Y
Hardinge Co, 240 Arch St, York, Pa
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 180 W Duncannon Ave, Phila 20, Pa
Logan Co, 1115 Franklin St, Louisville 6, Ky
Lynchburg Foundry Co, Lynchburg, Va
McNally-Pittsburg Mfg Co, Pittsburg, Kan
Mercer-Robinson Co, 30 Church St, N Y 7
Nordberg Mfg Co, Milwaukee 7, Wis
M H Treadwell Co, 140 Cedar St, N Y 6
Union Metal Mfg Co, 1432 Maple Ave, N E, Canton, Ohio
U S Pipe & Foundry Co, Burlington, N J
Webster Mfg Co, Tiffin, Ohio

CASTINGS, LEAD

Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Lead Lined Iron Pipe Co, Wakefield, Mass
Republic Metals Co, 273 Green St, Bklyn, N Y
Resisto Pipe & Valve Co, 258 Bridge St, E Cambridge, Mass

CASTINGS, MANGANESE STEEL

American Brake Shoe Co, 230 Park Ave, N Y 17
Bethlehem Steel Co, Bethlehem, Pa
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Falk Corp, 3100 W Canal St, Milwaukee 8, Wis
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col

CASTINGS, NICKEL

Bethlehem Steel Co, Bethlehem, Pa
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Cooper Alloy Foundry Co, 130 Bloy St, Hillside 5, N J
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
International Nickel Co, 67 Wall St, N Y 5
Key Co, 2701 McCasland, E St Louis, Ill
Ohio Steel Foundry Co, 1075 James St, Springfield, Ohio

CASTINGS, NICKEL ALLOYS

American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
Babcock & Wilcox, 85 Liberty St, N Y 6
Bethlehem Steel Co, Bethlehem, Pa
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Cooper Alloy Foundry Co, 130 Bloy St, Hillside 5, N J
Denver Equipment Co, 1400 17 St, Denver 17, Col
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Illium Corp, P O Box 478, Freeport, Ill
International Nickel Co, 67 Wall St, N Y 5
Key Co, 2701 McCasland, E St Louis, Ill
Lebanon Steel Foundry, Lebanon, Pa
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
Ohio Steel Foundry Co, 1075 James St, Springfield, Ohio
L C Thomsen & Sons, 1303 43 St, Kenosha, Wis
M H Treadwell Co, 140 Cedar St, N Y 6
U S Pipe & Foundry Co, Burlington, N J
Wall-Colmonoy Corp, 19345 John R St, Detroit 3, Mich

CASTINGS, SEMI-STEEL

American Chain & Cable Co, Reading Steel Casting Div, Reading, Pa
Bethlehem Steel Co, Bethlehem, Pa
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Bonnot Co, Canton 2, Ohio
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Fitchburg Foundry, Fitchburg, Mass
Goslin-Birmingham Mfg Co, Box 631, Birmingham, Ala
M H Treadwell Co, 140 Cedar St, N Y 6
U S Pipe & Foundry Co, Burlington, N J
Vilter Mfg Co, 2217 S 1 St, Milwaukee 7, Wis

CASTINGS, STAINLESS

Allegheny Ludlum Steel Corp, 2020 Oliver Bldg, Pittsburgh 22, Pa
American Brake Shoe Co, 230 Park Ave, N Y 17
American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Cooper Alloy Foundry Co, 130 Bloy St, Hillside 5, N J
Crucible Steel Co of America, 405 Lexington Ave, N Y 17
Duriron Co, 450 N Finley St, Dayton 1, Ohio
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Falk Corp, 3100 W Canal St, Milwaukee 8, Wis
Gen Alloys Co, 405 W 1 St, Boston, Mass
Key Co, 2701 McCasland, E St Louis, Ill
Lebanon Steel Foundry, Lebanon, Pa
Ohio Steel Foundry Co, 1075 James St, Springfield, Ohio
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
Tri-Clover Mach Co, Kenosha, Wis
U S Pipe & Foundry Co, Burlington, N J
Wall-Colmonoy Corp, 19345 John R St, Detroit 3, Mich
Wiley Alloy Tube Co, 600 W 138 St, Riverdale, Ill

CASTINGS, STEEL

American Chain & Cable Co, Reading Steel Casting Div, Reading, Pa
Bethlehem Steel Co, Bethlehem, Pa
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Eimco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Falk Corp, 3100 W Canal St, Milwaukee 8, Wis
Key Co, 2701 McCasland, E St Louis, Ill
Lebanon Steel Foundry, Lebanon, Pa
Ohio Steel Foundry Co, 1075 James St, Springfield, Ohio
M H Treadwell Co, 140 Cedar St, N Y 6
U S Pipe & Foundry Co, Burlington, N J
Vulcan Iron Works, 1730 Main St, Wilkes-Barre, Pa

CELLS, ABSORPTION

Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Nieder Fused Quartz Co, Babson Park Ave, Babson Park 57, Mass
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Scientific Glass Apparatus Co, Bloomfield, N J
Will Corp, Rochester 3, N Y

CELLS, CONDUCTIVITY

American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
Davis Emergency Equipment Co, 43 Halleck St, Newark 4, N J
Industrial Instrument, 17 Pollack Ave, Jersey City 5, N J
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Will Corp, Rochester 3, N Y

CELLS, ELECTROLYTIC

Allen Electrolytic Cell Corp, 57 Exchange, Portland, Me
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Burdette Mfg Co, 3453 W Madison St, Chicago 24, Ill
Chem Construction Corp, 488 Madison Ave, N Y 20
Electrochem Construction Co, 18 E 41 St, N Y 17
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Republic Steel Corp, 224 E 131 St, Cleveland 8, Ohio
Will Corp, Rochester 3, N Y

CELLS, FLOTATION

Denver Equipment Co, 1400 17 St, Denver 17, Col
Gallagher Co, 545 W 8 South St, Salt Lake City 4, Utah
Gen American Trans Corp, 135 S LaSalle St, Chicago 90, Ill
Mine & Smelter Supply Co, 1422 17 St, Denver 17, Col
U S Hoffman Mach Co, 219 Lamson St, Syracuse 6, N Y

CELLS, PHOTOELECTRIC

Gen Elec Co, Schenectady 5, N Y
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
Will Corp, Rochester 3, N Y

CELLS, SALT BRINE ELECTROLYSIS

Air Products, Emanus, Pa
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Electrochem Construction Co, 18 E 41 St, N Y 17

CEMENTS, ASPHALT

Philip Carey Mfg Co, Lockland, Cincinnati 15, Ohio

CENTRIFUGAL DUST COLLECTORS

Aerodyne Development Corp, 879 Addison Rd, Cleveland 3, Ohio
Allen Electrolytic Cell Corp, 57 Exchange, Portland, Me
American Blower Corp, 8111 Tireman St, Detroit 32, Mich
Buell Engrg Co, 70 Pine St, N Y 5
Day Co, 810 3 Ave N E, Minneapolis 13, Minn
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Munning & Munning, 202 Emmett St, Newark, N J
Northern Blower Co, 6418 Barberton Ave, Cleveland 2, Ohio
Pangborn Corp, 210 Pangborn Blvd, Hagerstown, Md
Sharples Corp, 2300 Westmoreland St, Phila 40, Pa
Wm W Stanley Co, 401 Broadway, N Y
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Ultrasonic Corp, 63 Rogers St, Cambridge, Mass
Western Precipitation Corp, 1030 W 9 St, Los Angeles 15, Cal

CENTRIFUGES, AUTOMATIC

Baker-Perkins Co, 1000 Hess St, Saginaw, Mich
Bird Mach Co, S Walpole, Mass
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Western States Mach Co, 1798 Fairgrove Ave, Hamilton, Ohio
Will Corp, Rochester 3, N Y

CENTRIFUGES, BASKET

American Mach & Metals, E Moline, Ill
Bird Mach Co, S Walpole, Mass
Enthone Inc, 442 Elm St, New Haven, Conn
Fletcher Works, Glenwood Ave & 2 St, Phila 40, Pa
International Equipment Co, 1284 Soldiers Field Rd, Boston 35, Mass
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Western States Mach Co, 1798 Fairgrove Ave, Hamilton, Ohio

CENTRIFUGES, CLARIFYING

American Mach & Metals, E Moline, Ill
Baker-Perkins Co, 1000 Hess St, Saginaw, Mich
Bird Mach Co, S Walpole, Mass
Fletcher Works, Glenwood Ave & 2 St, Phila 40, Pa
International Equipment Co, 1284 Soldiers Field Rd, Boston 35, Mass
Merco Centrifugal Co, 1045 Sansome St, San Francisco 11, Cal
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Sharples Corp, 2300 Westmoreland St, Phila 40, Pa
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Western States Mach Co, 1798 Fairgrove Ave, Hamilton, Ohio

CENTRIFUGES, CONTINUOUS

American Mach & Metals, E Moline, Ill
Baker-Perkins Co, 1000 Hess St, Saginaw, Mich
Bird Mach Co, S Walpole, Mass
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Merco Centrifugal Co, 1045 Sansome St, San Francisco 11, Cal
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Sharples Corp, 2300 Westmoreland St, Phila 40, Pa
Western States Mach Co, 1798 Fairgrove Ave, Hamilton, Ohio

CENTRIFUGES, DISK

Merco Centrifugal Co, 1045 Sansome St, San Francisco 11, Cal
Sharples Corp, 2300 Westmoreland St, Phila 40, Pa

CENTRIFUGES, HIGH-SPEED

American Mach & Metals, E Moline, Ill
Fletcher Works, Glenwood Ave & 2 St, Phila 40, Pa
International Equipment Co, 1284 Soldiers Field Rd, Boston 35, Mass
Merco Centrifugal Co, 1045 Sansome St, San Francisco 11, Cal
Sharples Corp, 2300 Westmoreland St, Phila 40, Pa
Western States Mach Co, 1798 Fairgrove Ave, Hamilton, Ohio

CENTRIFUGES, LABORATORY

American Mach & Metals, E Moline, Ill
Bird Mach Co, S Walpole, Mass
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Fletcher Works, Glenwood Ave & 2 St, Phila 40, Pa
International Equipment Co, 1284 Soldiers Field Rd, Boston 35, Mass
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Merco Centrifugal Co, 1045 Sansome St, San Francisco 11, Cal
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Sharples Corp, 2300 Westmoreland St, Phila 40, Pa
Arthur H Thomas Co, 230 S 7 St, Phila, Pa
Will Corp, Rochester 3, N Y

CENTRIFUGES, LEAD-LINED

American Mach & Metals, E Moline, Ill
Bird Mach Co, S Walpole, Mass
Fletcher Works, Glenwood Ave & 2 St, Phila 40, Pa
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
Merco Centrifugal Co, 1045 Sansome St, San Francisco 11, Cal

CENTRIFUGES, MICRO-CHEMICAL

American Mach & Metals, E Moline, Ill
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
International Equipment Co, 1284 Soldiers Field Rd, Boston 35, Mass
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Merco Centrifugal Co, 1045 Sansome St, San Francisco 11, Cal
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Will Corp, Rochester 3, N Y

CENTRIFUGES, REFRIGERATED

Baker-Perkins Co, 1000 Hess St, Saginaw, Mich
International Equipment Co, 1284 Soldiers Field Rd, Boston 35, Mass
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Sharples Corp, 2300 Westmoreland St, Phila 40, Pa
Will Corp, Rochester 3, N Y

CENTRIFUGES, RUBBER-LINED

American Hard Rubber Co, 11 Mercer St, N Y 13
American Mach & Metals, E Moline, Ill
Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
Baker-Perkins Co, 1000 Hess St, Saginaw, Mich
Bird Mach Co, S Walpole, Mass
Fletcher Works, Glenwood Ave & 2 St, Phila 40, Pa
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
International Equipment Co, 1284 Soldiers Field Rd, Boston 35, Mass
Merco Centrifugal Co, 1045 Sansome St, San Francisco 11, Cal
Raybestos-Manhattan, 61 Willet St, Passaic, N J
U S Stoneware Co, 60 E 42 St, N Y
Western States Mach Co, 1798 Fairgrove Ave, Hamilton, Ohio

CENTRIFUGES, SELF-DISCHARGING

American Mach & Metals, E Moline, Ill
Baker-Perkins Co, 1000 Hess St, Saginaw, Mich
Bird Mach Co, S Walpole, Mass
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Fletcher Works, Glenwood Ave & 2 St, Phila 40, Pa
Merco Centrifugal Co, 1045 Sansome St, San Francisco 11, Cal
Sharples Corp, 2300 Westmoreland St, Phila 40, Pa
Western States Mach Co, 1798 Fairgrove Ave, Hamilton, Ohio

CERAMIC MATERIALS

Cambridge Tile Mfg Co, P O Box 71, Cincinnati 15, Ohio
E I Du Pont de Nemours & Co Inc, Electrochem Dept, Wilmington 98, Del
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Gen Elec Co, Pittsfield, Mass
Hewitt-Robins, 370 Lexington Ave, N Y 17
Illinois Elec Porcelain Co, Box 272, Macomb, Ill
Lapp Insulator Co, Le Roy, N Y
Morganite Inc, 33-04 48 Ave, L I C 1, N Y
Mullite Refractories Co, 29 Canal, Shelton, Conn
National Lead Co, 111 Broadway, N Y 6
Norton Co, 1 New Bond St, Worcester 6, Mass
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
U S Stoneware Co, 60 E 42 St, N Y

CHAINS, ALLOY

American Brake Shoe Co, 230 Park Ave, N Y 17
American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
American Chain & Cable Co, American Chain Div, York, Pa
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Beaumont Birch Co, 1526 Race St, Phila 2, Pa
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Colonial Alloys Co, Ridge Ave & Crawford St, Phila 29, Pa
Diamond Chain Co, Indianapolis 7, Ind
Fairfield Engrg Co, Marion, Ohio
Gen Alloys Co, 405 W 1 St, Boston, Mass
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
U S Steel Supply Co, 208 S LaSalle St, Chicago 4, Ill
Whitney Chain & Mfg Co, 237 Whitney St, Hartford 2, Conn

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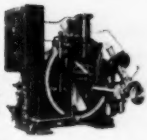
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Recovers crystalline solids from liquids. handles slurries with 15 to 60% solids.



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CHAINS, CONVEYOR

American Brake Shoe Co, 230 Park Ave, N Y 17
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Beaumont Birch Co, 1526 Race St, Phila 2, Pa
Cambridge Wire Cloth Co, 1518 Washington Blvd, Cambridge, Md
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Diamond Chain Co, Indianapolis 7, Ind
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Fairfield Engrg Co, Marion, Ohio
Gifford-Wood Co, 5 Hill St, Hudson, N Y
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Morse Chain Co, 7601 Central St, Detroit 8, Mich
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Union Chain & Mfg Co, 1936 Emmens St, Sandusky, Ohio
Webster Mfg Co, Tiffin, Ohio
Whitney Chain & Mfg Co, 237 Whitney St, Hartford 2, Conn

CHAINS, IRON AND STEEL

American Chain & Cable Co, American Chain Div, York, Pa
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Diamond Chain Co, Indianapolis 7, Ind
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
McNally-Pittsburg Mfg Co, Pittsburg, Kan
Morse Chain Co, 7601 Central St, Detroit 8, Mich
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
Stephens-Adamson Mfg Co, 2227 E 37 St, Los Angeles 11, Cal
Union Chain & Mfg Co, 1936 Emmens St, Sandusky, Ohio
U S Steel Supply Co, 208 S LaSalle St, Chicago 4, Ill
Whitney Chain & Mfg Co, 237 Whitney St, Hartford 2, Conn

CHAINS, POWER TRANSMISSION

American Brake Shoe Co, 230 Park Ave, N Y 17
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Diamond Chain Co, 400 Kentucky Ave, Indianapolis 7, Ind
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Morse Chain Co, 7601 Central St, Detroit 8, Mich
Stephens-Adamson Mfg Co, 2227 E 37 St, Los Angeles 11, Cal
Union Chain & Mfg Co, 1936 Emmens St, Sandusky, Ohio
Webster Mfg Co, Tiffin, Ohio
Whitney Chain & Mfg Co, 237 Whitney St, Hartford 2, Conn

CHAINS, ROLLER

G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Diamond Chain Co, 400 Kentucky Ave, Indianapolis 7, Ind
Great Western Mfg Co, Leavenworth, Kan
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Morse Chain Co, 7601 Central St, Detroit 8, Mich
Union Chain & Mfg Co, 1936 Emmens St, Sandusky, Ohio
Whitney Chain & Mfg Co, 237 Whitney St, Hartford 2, Conn

CHAINS, SILENT

Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Union Chain & Mfg Co, 1936 Emmens St, Sandusky, Ohio
Whitney Chain & Mfg Co, 237 Whitney St, Hartford 2, Conn

CHEMICAL PROCESS EQUIPMENT

Acme Coppersmithing & Mach Co, Oreland, Pa
R P Adams Co, 225 E Park Dr, Buffalo 17, N Y
Aerodyne Development Corp, 879 Addison Rd, Cleveland 3, Ohio
Allied Steel & Equipment Co, Dept N, Chester, N J
American Hard Rubber Co, 11 Mercer St, N Y 13
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
Babcock & Wilcox, 85 Liberty St, N Y 6
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa

CHEMICAL PROCESS EQUIPMENT, continued

Bonnot Co, Canton 2, Ohio
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Chemicolloid Labs, 30 Church St, N Y
Chicago Stainless Equipment Co, 5001 Elston Ave, Chicago 30, Ill
Corning Glass Works, Corning, N Y
J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
Denver Equipment Co, 1400 17 St, Denver 17, Col
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Dorr Co, Barry Pl, Stamford, Conn
J E Doyle Co, 1220 W 6 St, Cleveland 13, Ohio
Eimco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Electro Chem Engrg & Mfg Co, 752 Broad St, Emmaus, Pa
Electrochem Construction Co, 18 E 41 St, N Y 17
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gasoline Plant Construction Corp, Neils Esperson Bldg, Houston 2, Tex
Glasco Equipment Corp, 6 Wait St, Paterson 4, N J
Glascote Products, 20900 St Clair Ave, Cleveland 17, Ohio
Goslin-Birmingham Mfg Co, Box 631, Birmingham, Ala
Great Western Mfg Co, Leavenworth, Kan
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
Illinois Elec Porcelain Co, Box 272, Macomb, Ill
Illinois Water Treatment Co, 858 Cedar St, Rockford, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Infilco Inc, Box 5033, Tucson, Ariz
International Engrg, Dayton 1, Ohio
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Koch Engrg Co, 335 W Lewis St, Wichita 2, Kan
Lapp Insulator Co, Le Roy, N Y
Lead Lined Iron Pipe Co, Wakefield, Mass
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Luzerne Rubber Co, Trenton 7, N J
Mercer-Robinson Co, 30 Church St, N Y 7
Metal Products Corp, 50 W 19 St, Weehawken, N J
Metalab Equipment Corp, 270 Duffy Ave, Hicksville, L I, N Y
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
National Annealing Box Co, Washington, Pa
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
New England Tank & Tower Co, Everett, Mass
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
H W North Co, E 13 & Parade Sts, Erie, Pa
Norton Co, 1 New Bond St, Worcester 6, Mass
Oliver United Filters, 2900 Glascock St, Oakland 1, Cal
Ozark-Mahoning Co, 315 W 3 St, Tulsa, Okla
Parten Mach Co, 311 Portland Ave, Minneapolis 15, Minn
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Perry Equipment Corp, 1515 W Thompson St, Phila 21, Pa
Premier Mills Corp, 218 Genesee St, Geneva, N Y
Procter & Schwartz, 7 & Tabor Rd, Phila 20, Pa
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Pulverizing Machy Co, Chatham Rd, P O Box 569, Summit, N J
Read Standard Corp, York, Pa
Charles Ross & Son Co, 148 Clarson Ave, Bklyn 5, N Y
Milton Roy Co, 1382 E Mermaid Lane, Phila 18, Pa
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Stearns Magnetic Mfg Co, 672 S 28 St, Milwaukee 46, Wis
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Struthers Wells Corp, 5 Franklin St, Titusville, Pa
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass
Union Chain & Mfg Co, 1936 Emmens St, Sandusky, Ohio
Union Iron Works, 15 & Cascade Sts, Erie, Pa
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Wurster & Sanger, 5201 S Kenwood Ave, Chicago 15, Ill

CHILLING ROLLS

Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
J E Doyle Co, 1220 W 6 St, Cleveland 13, Ohio
Procter & Schwartz, 7 & Tabor Rd, Phila 20, Pa
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa

CHIPPERS

Chicago Pneumatic Tool Co, 6 E 44 St, N Y 17
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Pulverizing Machy Co, Chatham Rd, P O Box 569, Summit, N J

CHLORINATING EQUIPMENT

Acme Coppersmithing & Mach Co, Oreland, Pa
Builders Providence, 345 Harris Ave, Providence 1, R I
Combustion Engr-Superheater, 200 Madison Ave, N Y 16
Cornell Mach Co, 99 Wall St, N Y

CHLORINATING EQUIPMENT, continued

Falls Industries, Aurora Rd, Solon, Ohio
Fischer & Porter Co, Hatboro, Pa
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Infilco Inc, Box 5033, Tucson, Ariz
Lapp Insulator Co, Le Roy, N Y
Lummus Co, 385 Madison Ave, N Y 17
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Milton Roy Co, 1382 E Mermaid Lane, Phila 18, Pa
Wallace & Tiernan, 1 Main St, Belleville, N J

CHLORINE CONTROL APPARATUS

Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Builders Providence, 345 Harris Ave, Providence 1, R I
Electrochem Construction Co, 18 E 41 St, N Y 17
Fischer & Porter Co, Hatboro, Pa
Macbeth Corp, P O Box 950, Newburgh, N Y
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Milton Roy Co, 1382 E Mermaind Lane, Phila 18, Pa
W A Taylor & Co, 7300 York Rd, Baltimore 4, Md
Wallace & Tiernan, 1 Main St, Belleville, N J

CLARIFIERS, ENAMEL, SHELLAC

Dorr Co, Barry Pl, Stamford, Conn
Hardinge Co, 240 Arch St, York, Pa
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
U S Hoffman Mach Co, 219 Lamson St, Syracuse 6, N Y
Walker Process Equipment Co, 518 Hauks St, Aurora, Ill
Winslow Engrg Co, 4069 Hollis St, Oakland, Cal

CLARIFIERS, SEWAGE AND INDUSTRIAL WASTE

Bird Mach Co, S Walpole, Mass
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Chicago Pump Co, 2336 Wolfram St, Chicago 18, Ill
Cochrane Corp, 3154 N 17 St, Phila 32, Pa
Dorr Co, Barry Pl, Stamford, Conn
Hardinge Co, 240 Arch St, York, Pa
Infilco Inc, Box 5033, Tucson, Ariz
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Walker Process Equipment Co, 518 Hauks St, Aurora, Ill
Yeomans Bros Co, 1434 N Dayton St, Chicago 22, Ill

CLARIFIERS, SUGAR

Acme Coppersmithing & Mach Co, Oreland, Pa
Dorr Co, Barry Pl, Stamford, Conn
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

CLARIFIERS, TANK-TYPE

Acme Coppersmithing & Mach Co, Oreland, Pa
Denver Equipment Co, 1400 17 St, Denver 17, Col
Dorr Co, Barry Pl, Stamford, Conn
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Hardinge Co, 240 Arch St, York, Pa
Illinois Water Treatment Co, 858 Cedar St, Rockford, Ill
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Winslow Engrg Co, 4069 Hollis St, Oakand, Cal

CLARIFIERS, WATER

Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Dorr Co, Barry Pl, Stamford, Conn
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Filtrine Mfg Co, 52 Lexington Ave, Bklyn 5, N Y
Hardinge Co, 240 Arch St, York, Pa
Illinois Water Treatment Co, 858 Cedar St, Rockford, Ill
Infilco Inc, Box 5033, Tucson, Ariz
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Permutit Co, 330 W 42 St, N Y 18
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Walker Process Equipment Co, 518 Hauks St, Aurora, Ill
Winslow Engrg Co, 4069 Hollis St, Oakland, Cal
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

CLASSIFIERS

Airborne Conveyors Corp, 99 Hudson St, N Y 13
Bird Mach Co, S Walpole, Mass
Denver Equipment Co, 1400 17 St, Denver 17, Col
Dorr Co, Barry Pl, Stamford, Conn
Hardinge Co, 240 Arch St, York, Pa
International Engrg, Dayton 1, Ohio
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Merco Centrifugal Co, 1045 Sansome St, San Francisco 11, Cal
Morse Bros Machy Co, 2900 Brighton Blvd, Denver 1, Col
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5

CLASSIFIERS, continued

Smith Engrg Works, 532 E Capitol Dr, Milwaukee 12, Wis
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass
Walker Process Equipment Co, 518 Hauks St, Aurora, Ill

CLASSIFIERS, LABORATORY

Bauer Bros Co, 1727 Sheridan Ave, Springfield, Ohio
Denver Equipment Co, 1400 17 St, Denver 17, Col
Harry W Dietert Co, 9330 Roselawn Ave, Detroit 4, Mich
International Engrg, Dayton 1, Ohio
Metalab Equipment Corp, 270 Duffy Ave, Hicksville, L I, N Y

CLEANERS, AIR

Aerodyne Development Corp, 879 Addison Rd, Cleveland 3, Ohio
American Wheelabrator & Equipment Corp, 827 S Byrkit St, Mishawaka, Ind
E D Bullard Co, 275 8 St, San Francisco 3, Cal
Dollinger Corp, 11 Center Park, Rochester 4, N Y
Hanson-Van Winkle-Munning Co, Matawan, N J
Karl Kiefer Mach Co, 919 Martin St, Cincinnati 2, Ohio
Pangborn Corp, 210 Pangborn Blvd, Hagerstown, Md
B Rauschkolb & Co, 225 W 34 St, N Y 1
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Westinghouse Elec Co, Hyde Park, Boston 36, Mass
Otto H York Co, 69 Glenwood Pl, E Orange, N J

CLEANERS, GAS

Aerodyne Developmen Corp, 879 Addison Rd, Cleveland 3, Ohio
Chem Construction Corp, 488 Madison Ave, N Y 20
Electrochem Construction Co, 18 E 41 St, N Y 17
J F Pritchard & Co, 908 Grand Ave, Kansas City 6, Kan
B Rauschkolb & Co, 225 W 34 St, N Y 1
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Otto H York Co, 69 Glenwood Pl, E Orange, N J

CLEANERS, METAL

American Wheelabrator & Equipment Corp, 827 S Byrkit St, Mishawaka, Ind
Colonial Alloys Co, Ridge Ave & Crawford St, Phila 29, Pa
Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
Detrex Corp, 14331 Woodrow Wilson Ave, Detroit 32, Mich
Enthone Inc, 442 Elm St, New Haven, Conn
Eriez Mfg Co, 629 Commerce Bldg, Erie, Pa
Graymills Corp, 1948 Ridge Ave, Evanston, Ill
Hanson-Van Winkle-Munning Co, Matawan, N J
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
Pangborn Corp, 210 Pangborn Blvd, Hagerstown, Md
U S Steel Supply Co, 208 S LaSalle St, Chicago 4, Ill
Vacu-Blast, 350 Penninsula Ave, San Mateo, Cal

CLEANERS, STEAM

Clayton Mfg Co, Box 550, El Monte, Cal
Sellers Injector Corp, 1600 Hamilton St, Phila 30, Pa
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa
Otto H York Co, 69 Glenwood Pl, E Orange, N J

CLEANERS, VACUUM

J E Doyle Co, 1220 W 6 St, Cleveland 13, Ohio
Gray Co, 60 11 Ave N E, Minneapolis 13, Minn
Spencer Turbine Co, 484 New Park Ave, Hartford 6, Conn
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal
U S Hoffman Machy Corp, 105 4 Ave, N Y 3
Vacu-Blast, 350 Penninsula Ave, San Mateo, Cal

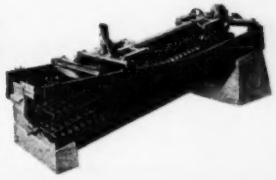
CLOSURES, STEEL DRUMS

American Flange & Mfg Co, 30 Rockefeller Plaza, N Y 20
Gen Elec Co, 1285 Boston Ave, Bridgeport 2, Conn
Rieke Metal Products Corp, 70 Pine St, N Y 5

CLOTH, ACID AND ALKALI RESISTING

I N Breetwor & Associates, 4005 Wilshire Blvd, Los Angeles 5, Cal
Electro Chem Engrg & Mfg Co, 752 Broad St, Emmaus, Pa
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Filtration Engrs, 155 Oraton St, Newark 4, N J
Gatke Corp, 228 N LaSalle St, Chicago 1, Ill
National Filter Media Corp, 1717 Dixwell Ave, New Haven 14, Conn

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CLOTH, ACID AND ALKALI RESISTING, continued

Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio
Wm W Stanley Co, 401 Broadway, N Y
W S Tyler Co, 3615 Superior Ave, Cleveland 14, Ohio
Union Asbestos & Rubber Co, 332 S Mich Ave, Chicago, Ill
Wellington Sears Co, 65 Worth St, N Y 13
Otto H York Co, 69 Glenwood Pl, E Orange, N J

CLOTH, ASBESTOS

Gatke Corp, 228 N LaSalle St, Chicago 1, Ill
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Keasbey & Mattison Co, Buler Ave, Ambler, Pa
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Raybestos-Manhattan, Manheim, Pa
Safey Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio
Wm W Stanley Co, 401 Broadway, N Y
Union Asbestos & Rubber Co, 332 S Mich Ave, Chicago, Ill
U S Rubber Co, 1230 6 Ave, N Y 20

CLOTH, BOLTING

Filtration Engrs, 155 Oraton St, Newark 4, N J
Wm W Stanley Co, 401 Broadway, N Y

CLOTH, GLASS

Glass Fibers, 1810 Madison Ave, Toledo, Ohio
National Filter Media Corp, 1717 Dixwell Ave, New Haven 14, Conn
Owens-Corning Fibergas Corp, Nicholas Bldg, Toledo 1, Ohio
Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio
Wm W Stanley Co, 401 Broadway, N Y
Union Asbestos & Rubber Co, 332 S Mich Ave, Chicago, Ill
U S Rubber Co, 1230 6 Ave, N Y 20
Wellington Sears Co, 65 Worth St, N Y 13

CLOTH, HEAT RESISTANT

Cambridge Wire Cloth Co, 1518 Washington Blvd, Cambridge, Md
E I Du Pont de Nemours & Co Inc, Fabrics & Finishes Dept, Wilmington 98, Del
Filtration Engrs, 155 Oraton St, Newark 4, N J
Gatke Corp, 228 N LaSalle St, Chicago 1, Ill
Glass Fibers, 1810 Madison Ave, Toledo, Ohio
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Irvington Varnish & Insulator Co, 6 Argyle Terrace, Irvington 11, N J
National Filter Media Corp, 1717 Dixwell Ave, New Haven 14, Conn
Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio
Wm W Stanley Co, 401 Broadway, N Y
W S Tyler Co, 3615 Superior Ave, Cleveland 14, Ohio
Union Asbestos & Rubber Co, 332 S Mich Ave, Chicago, Ill
U S Rubber Co, 1230 6 Ave, N Y 20
Wellington Sears Co, 65 Worth St, N Y 13

CLOTH, MILDEW PROOF

Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Filtration Engrs, 155 Oraton St, Newark 4, N J
Gatke Corp, 228 N LaSalle St, Chicago 1, Ill
Glass Fibers, 1810 Madison Ave, Toledo, Ohio
Independent Filter Press Co, 240 48 St, Bklyn 20, N Y
Irvington Varnish & Insulator Co, 6 Argyle Terrace, Irvington 11, N J
National Filter Media Corp, 1717 Dixwell Ave, New Haven 14, Conn
Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio
Standard Safety Equipment Co, 232 W Ontario St, Chicago 10, Ill
Wm W Stanley Co, 401 Broadway, N Y
Union Asbestos & Rubber Co, 332 S Mich Ave, Chicago, Ill

CLOTH, SARAN WOVEN

Wm W Stanley Co, 401 Broadway, N Y

CLOTH, SYNTHETIC FIBRE

I N Breetwor & Associates, 4005 Wilshire Blvd, Los Angeles 5, Cal
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Filtration Engrs, 155 Oraton St, Newark 4, N J
Milburn Co, 3246 Woodbridge St, Detroit 7, Mich
National Filter Media Corp, 1717 Dixwell Ave, New Haven 14, Conn
Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio
Wm W Stanley, 401 Broadway, N Y
Union Asbestos & Rubber Co, 332 S Mich Ave, Chicago, Ill
Wellington Sears Co, 65 Worth St, N Y 13

CLOTH, WATERPROOF

I N Breetwor & Associates, 4005 Wilshire Blvd, Los Angeles 5, Cal
E I Du Pont de Nemours & Co Inc, Fabrics & Finishes Dept, Wilmington 98, Del
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Glass Fibers, 1810 Madison Ave, Toledo, Ohio
Irvington Varnish & Insulator Co, 6 Argyle Terrace, Irvington 11, N J
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
National Filter Media Corp, 1717 Dixwell Ave, New Haven 14, Conn
Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio
Wm W Stanley, 401 Broadway, N Y

CLOTH, WIRE

Ames Iron Works, Oswego, N Y
Cambridge Wire Cloth Co, 1518 Washington Blvd, Cambridge, Md
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Cleveland Wire Cloth & Mfg Co, 3573 E 78 St, Cleveland 5, Ohio
Colorado Fuel & Iron Corp, P O Box 1920, Denver 1, Col
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
C O Jelliff Mfg Corp, 200 Pequot Rd, Southport, Conn
Logan Co, 1115 Franklin St, Louisville 6, Ky
Ludlow-Saylor Wire Co, 634 S Newstead Ave, St Louis 10, Mo
Mich Wire Cloth Co, 2055 Howard St, Detroit 16, Mich
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
John A Roebling's Sons Co, 640 S Broad St, Trenton 2, N J
W S Tyler Co, 3615 Superior Ave, Cleveland 14, Ohio
Otto H York Co, 69 Glenwood Pl, E Orange, N J

CLOTHING, ACID PROOF

American Optical Co, 200 Mechanic St, Southbridge, Mass
Ames Iron Works, Oswego, N Y
I N Breetwor & Associates, 4005 Wilshire Blvd, Los Angeles 5, Cal
Davis Emergency Equipment Co, 43 Halleck St, Newark 4, N J
Elin Mfg Co, Rochester, Ind
Filtration Engrs, 155 Oraton St, Newark 4, N J
Gatke Corp, 228 N LaSalle St, Chicago 1, Ill
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Milburn Co, 3246 Woodbridge St, Detroit 7, Mich
J C Miller Co, 631 Chestnut St S W, Grand Rapids, Mich
Mine Safety Appliance Co, Braddock Ave, Pittsburgh 8, Pa
Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio
Standard Safety Equipment Co, 232 W Ontario St, Chicago 10, Ill
Union Asbestos & Rubber Co, 332 S Mich Ave, Chicago, Ill
U S Rubber Co, 1230 6 Ave, N Y 20



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CLOTHING, FIRE FIGHTING

E D Bullard Co, 275 8 St, San Francisco 3, Cal
Davis Emergency Equipment Co, 43 Halleck St, Newark 4, N J
Gatke Corp, 228 N LaSalle St, Chicago 1, Ill
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio
Standard Safety Equipment Co, 232 W Ontario St, Chicago 10, Ill
U S Rubber Co, 1230 6 Ave, N Y 20

CLUTCHES, FRICTION

Barber-Colman Co, 150 Loomis St, Rockford, Ill
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Continental Gin Co, P O Box 2614, Birmingham 2, Ala
Falk Corp, 3100 W Canal St, Milwaukee 8, Wis
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Hilliard Corp, 102 W 4 St, Elmira, N Y
Lmk-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Morse Chain Co, 7601 Central St, Detroit 8, Mich
Stearns Magnetic Mfg Co, 672 S 28 St, Milwaukee 46, Wis
Twin Disc Clutch Co, 1361 Racine St, Racine, Wis
U S Steel Supply Co, 208 S LaSalle St, Chicago 4, Ill
Webster Mfg Co, Tiffin, Ohio

CLUTCHES, JAW

W E Caldwell Co, 2530 Brook St, Louisville, Ky
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Continental Gin Co, P O Box 2614, Birmingham 2, Ala
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Hilliard Corp, 102 W 4 St, Elmira, N Y
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash

CLUTCHES, PULLEY

W E Caldwell Co, 2530 Brook St, Louisville, Ky
Hillard Corp, 102 W 4 St, Elmira, N Y
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash

COILS, COOLING AND CONDENSING

Acme Coppersmithing & Mach Co, Oreland, Pa
Acme Industries, 618 N Mechanic St, Jackson, Mich

COILS, COOLING AND CONDENSING, continued

Aerofin Corp, 410 S Geddes St, Syracuse 1, N Y
Air Conditioning, York Co, York, Pa
American Blower Corp, 8111 Tireman St, Detroit 32, Mich
American Copper & Brass Works, 610 E Front St, Cincinnati 2, Ohio
Berlin Chapman Co, Berlin, Wis
Binks Mfg Co, 3114-40 Carroll Ave, Chicago, Ill
Brown Fintube Co, Elyria, Ohio
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
James B Clow & Sons, 201-299 N Talman Ave, Chicago 80, Ill
Condenser Service & Engrg Co, 93 River St, Hoboken, N J
Corning Glass Works, Corning, N Y
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Emerson-Schauring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Frick Co, Waynesboro, Pa
Gen Elec Co, 5 Lawrence St, Bloomfield, N J
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Hell Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Lead Lined Iron Pipe Co, Wakefield, Mass
Lummus Co, 385 Madison Ave, N Y 17
Mario Coil Co, 6135 Manchester Ave, St Louis, Mo
McQuay Inc, 1600 Broadway N E, Minneapolis 13, Minn
Midwest Piping & Supply Co, 1450 S 2 St, St Louis 4, Mo
J C Miller Co, 631 Chestnut St S W, Grand Rapids, Mich
Modine Mfg Co, 1300 De Koven, Racine, Wis
A B Murray Co, 649 Green Lane, Elizabeth, N J
National Radiator Co, 60 E 42 St, N Y 17
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Tenney Engrg, 26 Ave B, Newark 5, N J
Union Iron Works, 15 & Cascade Sts, Erie, Pa
U S Stoneware Co, 60 E 42 St, N Y
Western Supply Co, 424 N Boulder St, Tulsa 6, Okla
Westinghouse Elec Co, Hyde Park, Boston 36, Mass
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Young Radiator Co, 6 & Marquette Sts, Racine, Wis

COILS, HEATING

Acme Coppersmithing & Mach Co, Oreland, Pa
Aerofin Corp, 401 S Geddes St, Syracuse 1, N Y
American Blower Corp, 8111 Tireman St, Detroit 32, Mich
American Copper & Brass Works, 610 E Front St, Cincinnati 2, Ohio
Berlin Chapman Co, Berlin, Wis
Brown Fintube Co, Elyria, Ohio
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Clayton Mfg Co, Box 550, El Monte, Cal
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
James B Clow & Sons, 201-299 N Talman Ave, Chicago 80, Ill
Corning Glass Works, Corning, N Y
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
J E Doyle Co, 1220 W 6 St, Cleveland 13, Ohio
Edgemoor Iron Works, Edgemoor, Del
Emerson-Schauring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Hanson-Van Winkle-Munning Co, Matawan, N J
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Hell Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
Hevi Duty Elec Co, 4212 Highland Blvd, Milwaukee, Wis
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Lead Lined Iron Pipe Co, Wakefield, Mass
Lummus Co, 385 Madison Ave, N Y 17
Mario Coil Co, 6135 Manchester Ave, St Louis, Mo
McQuay Inc, 1600 Broadway N E, Minneapolis 13, Minn
J C Miller Co, 631 Chestnut St S W, Grand Rapids, Mich
Modine Mfg Co, 1300 De Koven, Racine, Wisconsin
A B Murray, 649 Green Lane, Elizabeth, N J
D J Murray Mfg Co, 1002-1024 3 St, Wausau, Wis
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Tenney Engrg, 26 Ave B, Newark 5, N J
Trane Co, 300 Cameron Ave, La Crosse, Wis
Western Supply Co, 424 N Boulder St, Tulsa, Okla
Westinghouse Elec Co, Hyde Park, Boston 36, Mass
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa
Young Radiator Co, 5 & Marquette Sts, Racine, Wis

COILS, LEAD PIPE

Acme Coppersmithing & Mach Co, Oreland, Pa
Eagle-Picher Co, American Bldg, Cincinnati 1, Ohio
Edgemoor Iron Works, Edgemoor, Del
Enthone Inc, 442 Elm St, New Haven, Conn
Hanson-Van Winkle-Munning Co, Matawan, N J
Hell Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
J C Miller Co, 631 Chestnut St S W, Grand Rapids, Mich
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Trane Co, 300 Cameron Ave, La Crosse, Wis

COLLAPSIBLE TUBE MACHINERY

Karl Kiefer Mach Co, 919 Martin St, Cincinnati 2, Ohio
Mich Wire Cloth Co, 2055 Howard St, Detroit 16, Mich
Morse Chain Co, 7501 Central St, Detroit 8, Mich
Potdevin Mach Co, 1282 38 St, Bklyn 18, N Y
George G Rodgers Co, 2401 3 Ave, N Y 51
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa

COLLAPSIBLE TUBES

E I Du Pont de Nemours & Co Inc, Fabrics & Finishes Dept, Wilmington 98, Del
A B Murray Co, 649 Green Lane, Elizabeth, N J
Palmer Supplies Co, 8905 Lake Ave, Cleveland 2, Ohio
Wm W Stanley, 401 Broadway, N Y

COLLARS, SHAFT

Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
Webster Mfg Co, Tiffin, Ohio

COLLECTORS, DUST

Aerodyne Development Corp, 879 Addison Rd, Cleveland 3, Ohio
Allen-Sherman-Hoff Co, 259 E Lancaster Ave, Wynnewood, Pa
American Air Filter Co, 215 Central Ave, Louisville, Ky
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
American Wheelabrator & Equipment Corp, 827 S Byrkit St, Mishawaka, Ind
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
Buell Engrg Co, 70 Pine St, N Y 5
Chem Construction Corp, 488 Madison Ave, N Y 20
Day Co, 810 3 Ave N E, Minneapolis 13, Minn
Dracco Corp, 4063 E 116 St, Cleveland 5, Ohio
Great Western Mfg Co, Leavenworth, Kan
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
Mercer-Robinson Co, 30 Church St, N Y 7
Metalab Equipment Corp, 270 Duffy Ave, Hicksville, L I, N Y
J C Miller Co, 631 Chestnut St S W, Grand Rapids, Mich
Northern Blower Co, 6418 Barberton Ave, Cleveland 2, Ohio
Pangborn Corp, 210 Pangborn Blvd, Hagerstown, Md
Parten Mach Co, 311 Portland Ave, Minneapolis 51, Minn
Pulverizing Machy Co, Chatham Rd, P O Box 569, Summit, N J
Claude B Schneible Co, 2831 25 St, Detroit 16, Mich
Sprout Waldron & Co, 1221, Sherman St, Muncy, Pa
Wm W Stanley, 401 Broadway, N Y
Ultrasonic Corp, 63 Rogers St, Cambridge, Mass
U S Rubber Co, 1230 6 Ave, N Y 20
Western Precipitation Corp, 1030 W 9 St, Los Angeles 15, Cal
C H Wheeler Mfg Co, Lehigh & Sedgley Aves, Phila 32, Pa
Whiting Corp, Swenson Evaporator Div, Harvey, Ill

COLLECTORS, FUME

Aerodyne Development Corp, 879 Addison Rd, Cleveland 3, Ohio
American Air Filter Co, 215 Central Ave, Louisville, Ky
American Wheelabrator & Equipment Corp, 827 S Byrkit St, Mishawaka, Ind
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Buell Engrg Co, 70 Pine St, N Y 5
Chem Construction Corp, 488 Madison Ave, N Y 20
Dracco Corp, 4063 E 116 St, Cleveland 5, Ohio
Gasoline Plant Construction Corp, Neils Esperson Bldg, Houston 2, Tex
Hell Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Metalab Equipment Corp, 270 Duffy Ave, Hicksville, L I, N Y
Northern Blower Co, 6418 Barberton Ave, Cleveland 2, Ohio
Pulverizing Machy Co, Chatham Rd, P O Box 569, Summit, N J
Claude B Schneible Co, 2831 25 St, Detroit 16, Mich
Wm W Stanley, 401 Broadway, N Y
Ultrasonic Corp, 63 Rogers St, Cambridge, Mass
Western Precipitation Corp, 1030 W 9 St, Los Angeles 15, Cal

COLLECTORS, WET

Aerodyne Development Corp, 879 Addison Rd, Cleveland, Ohio

COLORIMETERS

Bausch & Lomb Optical Co, 635 St Paul St, Rochester 2, N Y
Beckman Instruments, 820 Mission St, S Pasadena, Cal
Coleman Instruments, 318 Madison Ave, Maywood, Ill
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Gen Elec Co, Schenectady 5, N Y
Emil Greiner Co, 20-26 N Moore St, N Y 13
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
E Leitz, 304 Hudson St, N Y 13
Macbeth Corp, P O Box 950, Newburgh, N Y
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Photovolt Corp, 95 Madison Ave, N Y
Rubicon Co, Ridge Ave at 35 St, Phila 32, Pa
Wilkens-Anderson Co, 4525 W Div St, Chicago 51, Ill

COLUMNS, ABSORPTION

Acme Coppersmithing & Mach Co, Oreland, Pa
American Car & Foundry Co, 30 Church St, N Y 7
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Babcock & Wilcox, 85 Liberty St, N Y 6
E B Badger & Sons Co, 75 Pitts St, Boston 14, Mass
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
British-American Carbon Corp, 18 E 48 St, N Y
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Combustion Engr-Superheater, 200 Madison Ave, N Y 16
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
Corning Glass Works, Corning, N Y
Falls Industries, Aurora Rd, Solon, Ohio
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Foster-Wheeler Corp, 165 Broadway, N Y 6
Goslin-Birmingham Mfg Co, Box 631, Birmingham, Ala
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Koch Engrg Co, 335 W Lewis St, Wichita 2, Kan
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Lummus Co, 385 Madison Ave, N Y 17
Lynchburg Foundry Co, Lynchburg, Va
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Scientific Glass Apparatus Co, Bloomfield, N J
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Stearns-Rogers Mfg Co, 1720 California St, Denver 2, Col
Struthers Wells Corp, S Franklin St, Titusville, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Whitlock Mfg Co, 74 South St, 'Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

COLUMNS, BUBBLE CAP

Acme Coppersmithing & Mach Co, Oreland, Pa
American Car & Foundry Co, 30 Church St, N Y 7
American Copper & Brass Works, 610 E Front Sts, Cincinnati 2, Ohio
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Babcock & Wilcox, 85 Liberty St, N Y 6
E B Badger & Sons Co, 75 Pitts St, Boston 14, Mass
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Corning Glass Works, Corning, N Y
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Falls Industries, Aurora Rd, Solon, Ohio
Foster-Wheeler Corp, 165 Broadway, N Y 6
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Lummus Co, 385 Madison Ave, N Y 17
Lynchburg Foundry Co, Lynchburg, Va
National Annealing Box Co, Washington, Pa
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Pressed Steel Co, 705 N Pennsylvania Ave, Wilkes-Barre, Pa
Scientific Glass Apparatus Co, Bloomfield, N J
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Stearns-Rogers Mfg Co, 1720 California St, Denver 2, Col
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Struthers Wells Corp, S Franklin St, Titusville, Pa

COLUMNS, BUBBLE CAP, continued

Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Superior Air Products Co, 130 Malvern St, Newark 5, N J
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

COLUMNS, DISTILLING, FRACTIONATING, ETC.

Acme Coppersmithing & Mach Co, Oreland, Pa
American Car & Foundry Co, 30 Church St, N Y 7
American Copper & Brass Works, 610 E Front St, Cincinnati 2, Ohio
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Babcock & Wilcox, 85 Liberty St, N Y 6
E B Badger & Sons Co, 75 Pitts St, Boston 14, Mass
Berlin Chapman Co, Berlin, Wis
Bethlehem Steel Co, Bethlehem, Pa
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Combustion Engr-Superheater, 200 Madison Ave, N Y 16
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
Corning Glass Works, Corning, N Y
Distillation Products Industries, Rochester 3, N Y
Downingtown Iron Works, Downingtown, Pa
Falls Industries, Aurora Rd, Solon, Ohio
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gasoline Plant Construction Corp, Neils Esperson Bldg, Houston 2, Tex
Glascote Products, 20900 St Clair Ave, Cleveland 17, Ohio
Glass Engr Labs, 601 O'Neill Ave, Belmont, Cal
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Koppers Co, Koppers Blvd, Pittsburgh 19, Pa
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Koch Engrg Co, 335 W Lewis St, Wichita 2, Kan
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Lummus Co, 385 Madison Ave, N Y 17
Lynchburg Foundry Co, Lynchburg, Va
National Annealing Box Co, Washington, Pa
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Perry Equipment Corp, 1515 W Thompson St, Phila 21, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y

COLUMNS, DISTILLING, FRACTIONATING, ETC., continued

Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Scientific Glass Apparatus Co, Bloomfield, N J
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Stearns-Rogers Mfg Co, 1720 California St, Denver 2, Col
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Struthers Wells Corp, S Franklin St, Titusville, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex
Otto H York Co, 69 Glenwood Pl, E Orange, N J

COLUMNS, EXTRACTION

Acme Coppersmithing & Mach Co, Oreland, Pa
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
E B Badger & Sons Co, 75 Pitts St, Boston 14, Mass
Corning Glass Works, Corning, N Y
Falls Industries, Aurora Rd, Solon, Ohio
Gasoline Plant Construction Corp, Neils Esperson Bldg, Houston 2, Tex
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Lummus Co, 385 Madison Ave, N Y 17
H S Martin & Co, 1916 Greenleaf Ave, Evanston, Ill
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Scientific Glass Apparatus Co, Bloomfield, N J
Struthers-Wells Corp, 1103 Pennsylvania Ave, Warren, Pa
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

COLUMNS, PACKED

Acme Coppersmithing & Mach Co, Oreland, Pa
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
E B Badger & Sons Co, 75 Pitts St, Boston 14, Mass
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
British-American Carbon Corp, 18 E 48 St, N Y
Corning Glass Works, Corning, N Y
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Foster-Wheeler Corp, 165 Broadway, N Y 6
Emil Greiner Co, 20-26 N Moore St, N Y 13
Industrial Engrs, 8 Lister Ave, Newark 5, N J



Photoelectric Colorimeter
Industrial Model

For details, write Dept. BG

E. LEITZ, Inc., 304 Hudson Street, New York 13, N. Y.

LEITZ SCIENTIFIC INSTRUMENTS • BINOCULARS • MICROSCOPES
LEICA CAMERAS AND ACCESSORIES

COLUMNS, PACKED, continued

Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
L O Koven & Bros, 154 Ogden Ave, Jersey City 7, N J
Lummus Co, 385 Madison Ave, N Y 17
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Perry Equipment Corp, 1515 W Thompson St, Phila 21, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Scientific Glass Apparatus Co, Bloomfield, N J
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Struthers Wells Corp, S Franklin St, Titusville, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
U S Stoneware Co, 60 E 42 St, N Y
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex
Otto H York Co, 69 Glenwood Pl, E Orange, N J

COMBUSTION CONTROL SYSTEMS

Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Davis Emergency Equipment Co, 43 Halleck St, Newark 4, N J
Ess Instrument Co, 96 S Washington Ave, Bergenfield, N J
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Hays Corp, E 8 St, Mich City, Ind
C M Kemp Mfg Co, 405 E Oliver St, Baltimore 2, Md
Leeds & Northrup Co, 4970 Stenton Ave, Phila 44, Pa
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
National Airoil Burner Co, 1348 E Sedgley Ave, Phila 34, Pa
Read Standard Corp, Gaskell Ave, Erie, Pa
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
L J Wing Mfg Co, 300 Vreeland Mills Rd, Linden, N J

COMBUSTION TUBE

Burrell Corp, 2223 5 Ave, Pittsburgh 19, Pa
Corning Glass Works, Corning, N Y
Harry W Dietert Co, 9330 Roselawn Ave, Detroit 4, Mich
Falls Industries, Aurora Rd, Solon, Ohio
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Hevi Duty Elec Co, 4212 Highland Blvd, Milwaukee, Wis
Morganite Inc, 33-04 48 Ave, L I C 1, N Y
A B Murray Co, 649 Green Lane, Elizabeth, N J

COMPRESSORS, AIR

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Binks Mfg Co, 3114 Carroll Ave, Chicago 12, Ill
Brunner Mfg Co, 1821 Broad St, Utica 1, N Y
Chicago Pneumatic Tool Co, 6 E 44 St, N Y 17
De Laval Steam Turbine Co, 853 Nottingham Way, Trenton 2, N J
Elliott Co, 900 N 4 St, Jeannette, Pa
Gardner-Denver Co, S Front St, Quincy, Ill
Ingersoll-Rand Co, Phillipsburg, N J
Joy Mfg Co, Oliver Bldg, Pittsburgh 22, Pa
Nash Engrg Co, 203 Wilson Rd, S Norwalk, Conn
Western Gear Works, 417 9 Ave S, Seattle 4, Wash

COMPRESSORS, AMMONIA

Air Conditioning, York Co, York, Pa
Baker Refrigeration Corp, S Windham, Me
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Clark Bros Co, Olean, N Y
Cooper-Bessemer Corp, P O Box 751, Mt Vernon, Ohio
Falls Industries, Aurora Rd, Solon, Ohio
Frick Co, Waynesboro, Pa
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Ingersoll-Rand Co, Phillipsburg, N J
Vilter Mfg Co, 2117 S 1 St, Milwaukee 7, Wis
Yeomans Bros Co, 1434 N Dayton St, Chicago 22, Ill
York Corp, Roosevelt & P R R, York, Pa

COMPRESSORS, GASES

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Beach-Russ Co, 40 Church St, N Y
J B Beaird Co, 6200 St Vincent Ave, Shreveport, La
Brunner Mfg Co, 1821 Broad St, Utica 1, N Y
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Chemtech Products Corp, 62 William St, N Y 5
Chicago Pneumatic Tool Co, 6 E 44 St, N Y 17
Clark Bros Co, Olean, N Y
Cooper Bessemer Corp, P O Box 741, Mt Vernon, Ohio
Curtis Mfg Co, 1905 Kienlen Ave, St Louis 20, Mo
De Laval Steam Turbine Co, 853 Nottingham Way, Trenton 2, N J
Elliott Co, 900 N 4 St, Jeannette, Pa
Frick Co, Waynesboro, Pa
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Ingersoll-Rand Co, Phillipsburg, N J
Joy Mfg Co, Oliver Bldg, Pittsburgh 22, Pa
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Nordberg Mfg Co, Milwaukee 7, Wis
Pennsylvania Pump & Compressor Co, Easton, Pa
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal
Trane Co, 300 Cameron Ave, La Crosse, Wis
Vilter Mfg Co, 2117 S 1 St, Milwaukee 7, Wis
Western Gear Works, 417 9 Ave S, Seattle 4, Wash
Westinghouse Elec Co, Hyde Park, Boston 36, Mass
Yeomans Bros Co, 1434 N Dayton St, Chicago 22, Ill
York Corp, Roosevelt & P R R, York, Pa

COMPRESSORS, PORTABLE

American Brake Shoe Co, 230 Park Ave, N Y 17
Binks Mfg Co, 3114 Carroll Ave, Chicago 12, Ill
Brunner Mfg Co, 1821 Broad St, Utica 1, N Y
Chicago Pneumatic Tool Co, 6 E 44 St, N Y 17
Clark Bros Co, Olean, N Y
Gardner-Denver Co, S Front St, Quincy, Ill
Ingersoll-Rand Co, Phillipsburg, N J
Joy Mfg Co, Oliver Bldg, Pittsburgh 22, Pa
Schromm Inc, W Chester, Pa
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal

CONCENTRATORS, ACID

Acme Coppersmithing & Mach Co, Oreland, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Electrochem Construction Co, 18 E 41 St, N Y 17
Ozark-Mahoning Co, 310 W 6 St, Tulsa, Okla
Plaudler Co, 1000 W Ave, Rochester 3, N Y

CONDENSATE RETURN SYSTEMS (HIGH PRESSURE)

Cochrane Corp, 3154 N 17 St, Phila 32, Pa
Eclipse Fuel Engrg Co, 703 S Main St, Rockford, Ill
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Sterling Inc, 3738 N Holton St, Milwaukee 12, Wis
Trane Co, 300 Cameron Ave, La Crosse, Wis
Yeomans Bros Co, 1434 N Dayton St, Chicago 22, Ill
York Corp, Roosevelt & P R R, York, Pa

CONDENSERS, BAROMETRIC

Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
L H Butcher Co, 3628 E Olympic Blvd, Los Angeles 23, Cal
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Croll Reynolds Co, 17 John St, N Y 38
Elliott Co, 900 N 4 St, Jeannette, Pa
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Goslin-Birmingham Mfg Co, Box 631, Birmingham, Ala
Graham Mfg Co, 415 Lexington Ave, N Y 17
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Ingersoll-Rand Co, Phillipsburg, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Lummus Co, 385 Madison Ave, N Y 17
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Oliver United Filters, 2900 Glascock St, Oakland 1, Cal
Ross Heater & Mfg Co, 1434 West Ave, Buffalo, N Y
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
U S Pipe & Foundry Co, Pearl St, Burlington, N J
C H Wheeler Mfg Co, Lehigh & Sedgley Aves, Phila 32, Pa

CONDENSERS, COIL

Acme Coppersmithing & Mach Co, Oreland, Pa
Acme Industries, 618 N Mechanic St, Jackson, Mich
Aerofin Corp, 401 S Geddes St, Syracuse 1, N Y
Air Conditioning, York Co, York, Pa
Berlin Chapman Co, Berlin, Wis
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Corning Glass Works, Corning, N Y
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Falls Industries, Aurora Rd, Solon, Ohio
Frick Co, Waynesboro, Pa
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Griscom-Russell Co, Massillon, Ohio
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
L O Koven & Bros, 154 Ogden Ave, Jersey City 7, N J
Lummus Co, 385 Madison Ave, N Y 17
National Radiator Co, 60 E 42 St, N Y 17
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Perry Equipment Corp, 1515 W Thompson St, Phila 21, Pa
Scientific Glass Apparatus Co, Bloomfield, N J
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Vilter Mfg Co, 2117 S 1 St, Milwaukee 7, Wis
Western Supply Co, 424 N Boulder St, Tulsa, Okla
Westinghouse Elec Co, Hyde Park, Boston 36, Mass
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
York Corp, Roosevelt & P R R, York, Pa

CONDENSERS, FRACTIONAL

Acme Coppersmithing & Mach Co, Oreland, Pa
American Car & Foundry Co, 30 Church St, N Y 7
Bethlehem Steel Co, Bethlehem, Pa
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Downingtown Iron Works, Downingtown, Pa
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Falls Industries, Aurora Rd, Solon, Ohio
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Griscom-Russell Co, Massillon, Ohio
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Lummus Co, 385 Madison Ave, N Y 17
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Ross Heater & Mfg Co, 1434 West Ave, Buffalo, N Y
Scientific Glass Apparatus Co, Bloomfield, N J
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Whitlock Mfg Co, 74 South St, Hartford 10, Conn

CONDENSERS, NITRIC ACID

Acme Coppersmithing & Mach Co, Oreland, Pa
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Downingtown Iron Works, Downingtown, Pa
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
U S Stoneware Co, 60 E 42 St, N Y
Whitlock Mfg Co, 74 South St, Hartford 10, Conn

CONDENSERS, REFLUX

Acme Coppersmithing & Mach Co, Oreland, Pa
American Copper & Brass Works, 610 E Front St, Cincinnati 2, Ohio
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Cleveland Coppersmithing Works, Stone Ave, N W, Cleveland 2, Ohio
Condenser Service & Engrg Co, 95 River St, Hoboken, Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Falls Industries, Aurora Rd, Solon, Ohio
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gasoline Plant Costruction Corp, Neils Esperson Bldg, Houston 2, Tex
Glascote Products, 20900 St Clair Ave, Cleveland 17, Ohio
Emil Greiner Co, 20-26 N Moore St, N Y 13
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Hudson Engrg Corp, 2711 Danville St, Houston 6, Tex
Industrial Engrg, 8 Lister Ave, Newark 5, N J
Industrial Process Engrg, 2 Lister Ave, Newark 5, N J
Lummus Co, Madson Ave, N Y 17
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Ross Heater & Mfg Co, 1434 West Ave, Buffalo, N Y
Scientific Glass Apparatus Co, Bloomfield, N J
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Union Iron Works, 15 & Cascade Sts, Erie, Pa
Henry Vogt Mach Co 10 & Ormsby Sts, Louisville 10, Ky
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Western Supply Co, 424 N Boulder St, Tulsa, Okla
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

CONDENSERS, STEAM

Acme Coppersmithing & Mach Co, Oreland, Pa
Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Berlin Chapman Co, Berlin, Wis
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Croll Reynolds Co, 17 John St, N Y 38
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Doyle & Roth Mfg Co, Ft 23 St, Bklyn, N Y
Elliott Co, 900 N 4 St, Jeannette, Pa
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Griscom-Russell Co, Massillon, Ohio
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
Hudson Engrg Corp, 2711 Danville St, Houston 6, Tex
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Lummus Co, 385 Madison Ave, N Y 17
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfauder Co, 1000 W Ave, Rochester 3, N Y
Ross Heater & Mfg Co, West Ave, Buffalo, N Y
Schutte & Koerting Co, Cornwells Heights, Buck Co, Pa
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Trane Co, 300 Cameron Ave, La Crosse, Wis
Western Supply Co, 424 N Boulder St, Tulsa, Okla
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa
C H Wheeler Mfg Co, Lehigh & Sedgley Aves, Phila 32, Pa
Whitlock Mfg Co, 74 South St, Hartford 10, Conn

CONDENSERS, SURFACE

Acme Coppersmithing & Mach Co, Oreland, Pa
Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Berlin Chapman Co, Berlin, Wis
Blaw-Knox Co, Farmers Bldg, Pittsburgh 30, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
Croll Reynolds Co, 17 John St, N Y 38
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Elliott Co, 900 N 4 St, Jeannette, Pa
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Goslin-Birmingham Mfg Co, Box 631, Birmingham, Ala
Graham Mfg Co, 415 Lexington Ave, N Y 17
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Ingersoll-Rand Co, Phillipsburg, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Lummus Co, 385 Madison Ave, N Y 17
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St E Stroudsburg, Pa
Perry Equipment Corp, 1515 W Thompson St, Phila 21, Pa
Ross Heater & Mfg Co, 1434 West Ave, Buffalo, N Y
Schutte & Koerting Co, Cornwells Heights, Buck Co, Pa
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa
C H Wheeler Mfg Co, Lehigh & Sedgley Aves, Phila 32, Pa

CONDENSERS, TUBULAR

Acme Coppersmithing & Mach Co, Oreland, Pa
Acme Industries, 618 N Mechanic St, Jackson, Mich
American Copper & Brass Works, 610 E Front St, Cincinnati 2, Ohio
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Bell & Gossett Co, Morton Grove, Ill
Berlin Chapman Co, Berlin, Wis
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
Croll Reynolds Co, 17 John St, N Y 38
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Downingtown Iron Works, Downingtown, Pa
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Edgemoor Iron Works, Edgemoor, Del
Elliott Co, 900 N 4 St, Jeannette, Pa
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Falls Industries, Aurora Rd, Solon, Ohio
Frick Co, Waynesboro, Pa

CONDENSERS, TUBULAR continued

Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Goslin-Birmingham Mfg Co, Box 631, Birmingham, Ala
Griscom-Russell Co, Massillon, Ohio
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Hudson Engrg Corp, 2711 Danville St, Houston 6, Tex
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio
Lummus Co, 385 Madison Ave, N Y 17
National Radiator Co, 60 E 42 St, N Y 17
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Perry Equipment Corp, 1515 W Thompson St, Phila 21, Pa
Pfauder Co, 1000 W Ave, Rochester 3, N Y
Ross Heater & Mfg Co, 1434 West Ave, Buffalo, N Y
Schutte & Koerting Co, Cornwells Heights, Buck Co, Pa
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Struthers-Wells Corp, 10003 Pennsylvania Ave, Warren, Pa
Taco Heaters, 137 South St, Providence 3, R I
Union Iron Works, 15 & Cascade Sts, Erie, Pa
Vilter Mfg Co, 2117 S 1 St, Milwaukee 7, Wis
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Western Supply Co, 424 N Boulder St, Tulsa, Okla
C H Wheeler Mfg Co, Lehigh & Sedgley Aves, Phila 32, Pa
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
York Corp, Roosevelt & P R R, York, Pa

CONDENSERS, VAPOR

Acme Coppersmithing & Mach Co, Oreland, Pa
Andale Co, 1740 Cherry St, Phila 3, Pa
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Bell & Gossett Co, Morton Grove, Ill
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
British-American Carbon Corp, 18 E 48 St, N Y
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Croll Reynolds Co, 17 John St, N Y 38
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Edgemoor Iron Works, Edgemoor, Del
Falls Industries, Aurora Rd, Solon, Ohio
Foster-Wheeler Corp, 165 Broadway, N Y 6
Frick Co, Waynesboro, Pa
Gasoline Plant Construction Corp, Neils Esperson Bldg, Houston 2, Tex
Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Griscom-Russell Co, Massillon, Ohio
Hudson Engrg Corp, 2711 Danville St, Houston 6, Tex
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Lummus Co, 385 Madison Ave, N Y 17
Marlo Coil Co, 6135 Manchester Ave, St Louis, Mo
McQuay Inc, 1600 Broadway N E, Minneapolis 13, Minn
National Radiator Co, 60 E 42 St, N Y 17
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Perry Equipment Corp, 1515 W Thompson St, Phila 21, Pa
Ross Heater & Mfg Co, 1434 West Ave, Buffalo, N Y
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Union Iron Works, 15 & Cascade Sts, Erie, Pa
Vilter Mfg Co, 2117 S 1 St, Milwaukee 7, Wis
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Western Supply Co, 424 N Boulder St, Tulsa, Okla
C H Wheeler Mfg Co, Lehigh & Sedgley Aves, Phila 32, Pa
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Whittington Pump & Engrg Corp, 1126 Prospect St, Indianapolis 3, Ind
York Corp, Roosevelt & P R R, York, Pa

CONDUIT, ELECTRICAL

American Brass Co, 698 S Main St, Waterbury 20, Conn
Appleton Elec Co, 1713 W Wellington Ave, Chicago 13, Ill
Gen Elec Co, 1285 Boston Ave, Bridgeport 2, Conn
Irvington Varnish & Insulator Co, 6 Argyle Terrace, Irvington 11, N J
Pacific Clay Products, 306 W Ave 25, Los Angeles 31, Cal

CONTACTORS, LIQUID-GAS

Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Chemtech Products Corp, 62 William St, N Y 5
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Koch Engrg Co, 335 W Lewis St, Wichita 2, Kan
Lummus Co, 385 Madison Ave, N Y 17
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Superior Air Products Co, 130 Malvern St, Newark 5, N J
Wallace & Tiernan, 1 Main St, Belleville, N J

CONTAINERS, GLASS

Anchor Hocking Glass Corp, Lancaster, Ohio
Armstrong Cork Co, 985 Concord Ave, Lancaster, Pa
Corning Glass Works, Corning, N Y
Owens-Illinois Glass Co, Ohio Bank Bldg, Toledo 1, Ohio
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill

CONTAINERS, METAL

Alloy Products Co, 1045 Perkins Ave, Waukesha, Wis
American Can Co, 100 Park Ave, N Y 17
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
Cans Inc, 3217 W 47 Pl, Chicago 32, Ill
Edgemoor Iron Works, Edgemoor, Del
Falstrom Co, 9 Falstrom Court, Passaic, N J
Gasco Equipment Corp, 6 Wall St, Paterson 4, N J
Logan Co, 1115 Franklin St, Louisville 6, Ky
Metal Glass Products Co, Belding, Mich
Metal Products Corp, 50 W 19 St, Weehawken, N J
A B Murray Co, 649 Green Lane, Elizabeth, N J
Niles Steel Products Div, 465 Walnut St, Niles, Ohio
Ohio Corrugating Co, Warren, Ohio
Palmer Supplies Co, 8905 Lake Ave, Cleveland 2, Ohio
Pressed Steel Tank Co, 1499 S 66 St, Milwaukee 14, Wis
Republic Steel Corp, Republic Bldg, Cleveland 1, Ohio
Reynolds Metal Co, 2500 S 3 St, Louisville, Ky
Rheem Mfg Co, 570 Lexington Ave, N Y 22
Southline Metal Products Co, 2115 Sabine St, Houston, Tex
Union Metal Mfg Co, 1432 Maple Ave, N E, Canton, Ohio
U S Steel Products Co, 30 Rockefeller Plaza, N Y 20
Virginia Barrel Co, Box 86 Mariners Harbor Sta, Staten Island, N Y
Wheeling Steel Corp, Wheeling, W Va
Witt Cornice Co, 2118 Winchell Ave, Cincinnati, Ohio

CONTAINERS, PAPER

American Can Co, 100 Park Ave, N Y 17
Cincinnati Industries, 502 Station Ave, Cincinnati 15, Ohio
Cleveland Container Co, 6201 Barberton Ave, Cleveland 2, Ohio
Fibreboard Products, 1789 Montgomery St, San Francisco 6, Cal
Robert Gair Co, 155 E 44 St, N Y 17
Gaylord Container Corp, 111 N 4 St, St Louis 2, Mo
Kennedy Car Liner & Bag Co, 16 Prospect Ave, Shelbyville, Ind
W C Ritchie & Co, 8817 Baltimore Ave, Chicago 17, Ill
Virginia Barrel Co, Box 86 Mariners Harbor Sta, Staten Island, N Y

CONTAINERS, POLYETHYLENE

Pelamay Products, 629 2 Ave, N Y 16

CONTROLS, AUTOMATIC CONCENTRATION

Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Black, Sivalls & Bryson Eng, 15 N Cincinnati St, Tulsa, Okla
Industrial Instrument, 17 Pollack Ave, Jersey City 5, N J
Mine & Smelter Supply Co, 1422 17 St, Denver 17, Col
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Moore Products Co, 910 E Lycoming St, Phila 24, Pa

CONTROLS, CONDUCTIVITY

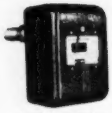
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Industrial Instrument, 17 Pollack Ave, Jersey City 5, N J
Leeds & Northrup Co, 4970 Stenton Ave, Phila 44, Pa
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa

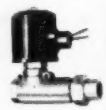
CONTROLS, DENSITY

Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Dezurik Shower Co, Sartell, Minn
Fischer & Porter Co, Hatboro, Pa
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Mine & Smelter Supply Co, 1322 17 St, Denver 17, Col
Moore Products Co, 910 E Lycoming, Phila 24, Pa
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y

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DISTRIBUTORS IN PRINCIPAL CITIES

CONTROLS, ELECTRONIC

Automatic Switch Co, 391 Lakeside Ave, Orange, N J
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Bristol Co, Platts Mills, Waterbury, Conn
Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis
Federal Elec Products Co, 50 Paris St, Newark 5, N J
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Gen Elec Co, Schenectady 5, N Y
Lumenite Electronic Co, 407 S Dearborn St, Chicago 8, Ill
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Photoswitch Inc, 77 Broadway, Cambridge 42, Mass
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Sorensen & Co, 375 Fairfield Ave, Stamford, Conn
Ultrasonic Corp, 63 Rogers St, Cambridge, Mass
United Engrs, 824 E 6 St, Tulsa, Okla
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 32, Pa
Wheelco Instruments Co, 847 W Harrison St, Chicago 7, Ill

CONTROLS, FEED WATER

Atlas Valve Co, 282 South St, Newark 2, N J
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
Eclipse Fuel Engrg Co, 703 S Main St, Rockford, Ill
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
Lumenite Electronic Co, 407 S Dearborn St, Chicago 5, Ill
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
McDonnell & Miller, 3500 N Spaulding Ave, Chicago 18, Ill
Mercoid Corp, 4201 Belmont Ave, Chicago 41, Ill
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrim Aves, Phila 44, Pa
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
C E Squires Co, 18502 Syracuse Ave, Cleveland, Ohio
Swartwout Co, 18511 Euclid Ave, Cleveland 12, Ohio
W A Taylor & Co, 7300 York Rd, Baltimore 4, Md

CONTROLS, FLOW

American Mach & Metals, Sellersville, Pa
Atlas Valve Co, 282 South St, Newark 2, N J
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Bristol Co, Platts Mills, Waterbury, Conn
Builders Providence, 345 Harris Ave, Providence 1, R I
Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Fisher & Porter Co, Hatboro, Pa
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburbh 30, Pa
Hays Corp, E 8 St, Mich City, Ind
Infilco Inc, Box 5033, Tucson, Ariz
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Minneapolis-Honeywell Regulator Co, 2704 4 Ave, S, Minneapolis 8, Minn
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Schade Valve Mfg Co, 2527 N Bodine St, Phila 33, Pa
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Swartwout Co, 18511 Euclid Ave, Cleveland 12, Ohio
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Wallace & Tiernan, 1 Main St, Belleville, N J

CONTROLS, FURNACE

American Mach & Metals, Sellersville, Pa
Atlas Valve Co, 282 South St, Newark 2, N J
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bristol Co, Platts Mills, Waterbury, Conn
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Gen Elec Co, Schenectady 5, N Y
Gen Radio Co, 275 Mass Ave, Cambridge 39, Mass
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30 Pa
K H Huppert Co, 6830 Cottage Grova Ave, Chicago, Ill
Mercoid Corp, 4201 Belmont Ave, Chicago 41, Ill
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
Perfex Corp, 500 W Oklahoma Ave, Milwaukee, Wis
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J

CONTROLS, HUMIDITY

Abbeon Supply Co, 179-15 Jamaica Ave, Jamaica 3, N Y
American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
American Mach & Metals, 233 Broadway, N Y 7
American Moistening Co, 260 W Exchange St, Providence 1, R I
Atlas Valve Co, 282 South St, Newark 2, N J
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Bristol Co, Platts Mills, Waterbury, Conn
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Powers Regulator Co, 2736 Greenview Ave, Chicago 14, Ill
B Rauschkolb & Co, 225 W 34 St, N Y 1
Sarco Co, 350 5 Ave, N Y 1
Taylor Instrument Co, 95 Ames St, Rochester 1, N. Y.
Tenney Engrg, 26 Ave B, Newark 5, N J
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
York Corp, Roosevelt & P R R, York, Pa

CONTROLS, HYDRAULIC

Aldrich Pump Co, Allentown, Pa
Atlas Valve Co, 282 South St, Newark 2, N J
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Bristol Co, Platts Mills, Waterbury, Conn
Denison Engrg Co, 1160 Dublin Rd, Columbus 16, Ohio
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Hays Corp, E 8 St, Mich City, Ind
Infilco Inc, Box 5033, Tucson, Ariz
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Schade Valve Mfg Co, 2527 N Bodine St, Phila 33, Pa

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Write for Mercoid Catalog No. 700
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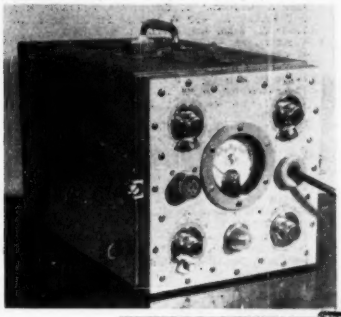
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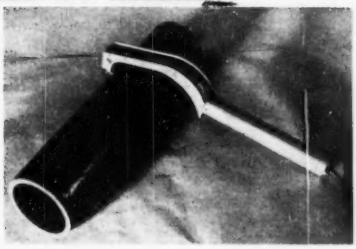
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THE PENETRON

The PENETRON is an industrial Radiation instrument designed for the many problems of wall thickness measurements previously considered difficult or even impossible.





It uses the tremendous penetrating power of primary or secondary gamma radiations to measure non-destructively, and from one side only, the wall thickness of pressure vessels or piping.

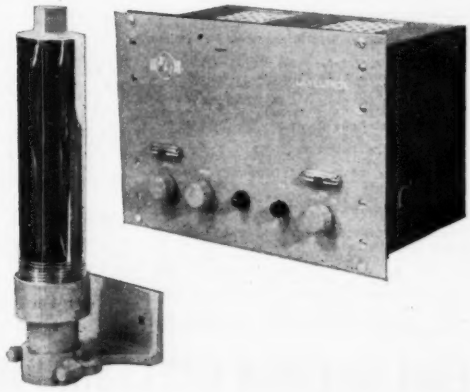
In the past, inspection of pressure vessel and piping installations necessitated the shutting down of the equipment, the release of pressure, and the drilling of the containers at intervals for mechanical calipering. The PENETRON makes these measurements over the entire vessel, if desired, with none of the time-consuming, costly drilling and plugging operations. The PENETRON gauges thickness of materials faster than any other method available.

The PENETRON is furnished with two types of gauging heads—the Standard Head and the Tangential Head. In general, the Standard Head is intended for measuring large, flat or slightly curved plates and the Tangential Head is designed for wall measurements of tubular materials. The Standard Head, when used with a pipe adapter, may be used for wall thickness measurements of pipes where only the inside of the pipe is accessible—such as in the case of boiler tubes.

The action of the PENETRON does not depend upon the molecular structure or the physical state of the material being measured but rather upon the density and the thickness which allows accuracy of measurement better than 3%

LEVELTRON

THE DEVICE FOR MEASURING AND CONTROLLING LIQUID LEVEL UTILIZING THE TREMENDOUS PENETRATING POWER OF GAMMA RADIATION



The LEVELTRON is an industrial radiation instrument designed for the many problems of liquid level determination or control, wherein the conventional float or gauge method is impractical or unreliable. The fluid level within the vessel is determined as a function of the measurable gamma ray radiation at the outside of the vessel from a source of radiation located within the fluid within the vessel.

The LEVELTRON method of level gauging eliminates all mechanical or electrical connections through the vessel walls, thus eliminating potential sources of leakage or electric discharge.

It is constructed of two units; an explosion-proof detector head for installation on the tank, and the remote control unit which is normally installed in the control house. All operating controls are conveniently installed on the control units eliminating any need for adjustments at the tank unit.

Two types of LEVELTRON installations are available; one for use where the level must be held to a predetermined level or within very narrow limits. The other is used when it is desirable to continuously record fluid level over a wide level variation or to control the fluid at any particular level. The third type is designed for an "on - off" type with an explosion-proof detector unit for installation on the vessel and a remote control unit, which is normally installed at some distance from the vessel.

Write for Bulletin, Specifications and Prices

CONTROLS, LIQUID LEVEL

American Mach & Metals, Sellersville, Pa
Atlas Valve Co, 282 South St, Newark 2, N J
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
B-W Controller Corp, 2204 E Maple St, Birmingham, Mich
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Bristol C, Platts Mills, Waterbury, Conn
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Fischer & Porter Co, Hatboro, Pa
Frick Co, Waynesboro, Pa
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Gen Elec Co, Schenectady 5, N Y
Golden-Anderson Valve Specialty Co, 207 Keenan Bldg, Pittsburgh 22, Pa
Griscom-Russell Co, Massillon, Ohio
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
Hays Corp, E 8 St, Mich City, Ind
Infilco Inc, Box 5033, Tucson, Ariz
Kaye & MacDonald, 15 Central Ave, W Orange, N J
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Leslie Co, Grant Ave, Lyndhurst, N J
Lumenite Electronic Co, 407 S Dearborn St, Chicago 5, Ill
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
McDonnell & Miller, 3500 N Spaulding Ave, Chicago 18, Ill
Mercoid Corp, 4201 Belmont Ave, Chicago 41, Ill
Minneapolis-Honeywell Regulator Co, 2704 4 Ave, S, Minneapolis 8, Minn
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Photoswitch Inc, 77 Broadway, Cambridge 42, Mass
Powers Regulators Co, 2736 Greenview Ave, Chicago 14, Ill
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Rochester Mfg Co, 105 Rockwood St, Rochester 10, N Y
Schade Valve Mfg Co, 2527 N Bodine St, Phila 33, Pa
Schutte & Koerting Co, Cornwells Heights Bucks Co, Pa
Swartwout Co, 1815 Euclid Ave, Cleveland 12, Ohio
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Uehling Instrument Co, 468 Getty Ave, Patterson 3, N J
United Engrs, 824 E 6 St, Tulsa, Okla
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J

CONTROLS, MOISTURE

American Instrument Co, 8010 Georgia Ave, Silver Spring, Md
American Moistening Co, 260 W Exchange St, Providence 1, R I
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Stewart-Warner Corp, 1828 W Diversy Blvd, Chicago 14, Ill
Wilkens-Anderson Co, 4525 W Div St, Chicago 51, Ill

CONTROLS, MOTOR

Allen-Bradley Co, 136 W Greenfield Ave, Milwaukee 4, Wis
Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee 1, Wis
Appleton Elec Co, 1713 W Wellington Ave, Chicago 13, Ill
Arrow-Hart & Hegeman Elec Co, 103 Hawthorne St, Hartford 6, Conn
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bristol Co, Platts Mills, Waterbury, Conn
Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis
Elec Machy Mfg Co, 1331 N E Tyler St, Minneapolis 13, Minn
Federal Elec Products Co, 50 Paris St, Newark 5, N J
Gen Elec Co, Schenectady 5, N Y
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Gen Radio Co, 275 Mass Ave, Cambridge 39, Mass
Kaye & MacDonald, 15 Central Ave, W Orange, N J
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Minneapolis-Honeywell Regulator Co, Micro Switch Div, Freeport, Ill
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Rochester Mfg Co, 105 Rockwood St, Rochester 10, N Y
Sacro Co, 350 5 Ave, N Y 1
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa

CONTROLS, pH

Hanson-Van Winkle-Munning Co, Matawan, N J
Lapp Insulator Co, Le Roy, N Y
Leeds & Northrup Co, 4970 Stenton Ave, Phila 44, Pa
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
W A Taylor & Co, 7300 York Rd, Baltimore 4, Md
Wallace & Tiernan, 1 Main St, Belleville, N J
Will Corp, Rochester 3, N Y

CONTROLS, PRESSURE

Allen-Bradley Co, 136 W Greenfield Ave, Milwaukee 4, Wis
American Mach & Metals, 233 Broadway, N Y 7
Atlas Valve Co, 282 South St, Newark 2, N J
Automatic Control Co, 1005 University Ave, St Paul, Minn
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Bristol Co, Platts Mills, Waterbury, Conn
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Denison Engrg Co, 1160 Dublin Rd, Columbus 16, Ohio
Distillation Products Industries, Rochester 3, N Y
Emmett Mach & Mfg, 2249 14 St S W, Akron 14, Ohio
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Fisher & Porter Co, Hatboro, Pa
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Gen Elec Co, Schenectady 5, N Y
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Golden-Anderson Valve Specialty Co, 207 Kenan Bldg, Pittsburgh 22, Pa
Emil Greiner Co, 20-26 N Moore St, N Y 13
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
Kaye & MacDonald, 15 Central Ave, W Orange, N J
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Leslie Co, Grant Ave, Lyndhurst, N J
Mercoid Corp, 4201 Belmont Ave, Chicago 41, Ill
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Rochester Mfg Co, 105 Rockwood St, Rochester 10, N Y
Schade Valve Mfg Co, 2527 N Bodine St, Phila 33, Pa
C E Squires Co, 18502 Syracuse Ave, Cleveland, Ohio
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Tenney Engrg, 26 Ave B, Newark 5, N J
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Minneapolis-Honeywell Regulator Co, 2704 Fourth Ave S, Minneapolis 8, Minn
Perfex Corp, 500 W Oklahoma Ave, Milwaukee, Wis
Schade Valve Mfg Co, 2527 N Bodine St, Phila 33, Pa
Swartwout Co, 18511 Euclid Ave, Cleveland 12, Ohio
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J

CONTROLS, PUMP

Allen-Bradley Co, 136 W Greenfield Ave, Milwaukee 4, Wis
Atlas Valve Co, 282 South St, Newark 2, N J
Automatic Control Co, 1005 University Ave, St Paul, Minn
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
B-W Controller Corp, 2204 E Maple St, Birmingham, Mich
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Bristol Co, Platts Mills, Waterbury, Conn
Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis
Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
Denison Engrg Co, 1160 Dublin Rd, Columbus 16, Ohio
Fischer & Porter Co, Hatboro, Pa
Gen Elec Co, Schenectady 5, N Y
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
Kaye & MacDonald, 15 Central Ave, W Orange, N J
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Lapp Insulator Co, Le Roy, N Y
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
McDonnell & Miller, 3500 N Spaulding Ave, Chicago 18, Ill
Mercoid Corp, 4201 Belmont Ave, Chicago 41, Ill
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Rochester Mfg Co, 105 Rockwood St, Rochester 10, N Y
Schade Valve Mfg Co, 2527 N Bodine St, Phila 33, Pa
C E Squires Co, 18502 Syracuse Ave, Cleveland, Ohio
Swartwout Co, 18511 Euclid Ave, Cleveland 12, Ohio

CONTROLS, REMOTE

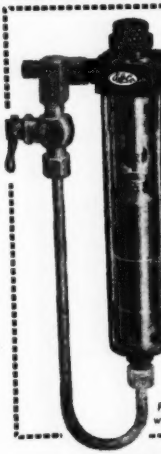
Allen-Bradley Co, 136 W Greenfield Ave, Milwaukee 4, Wis
Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Automatic Control Co, 1005 University Ave, St Paul, Minn
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Black, Sivalls & Bryson Eng, 15 N Cincinnati St, Tulsa, Okla
Bristol Co, Platts Mills, Waterbury, Conn
Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis
Federal Elec Products Co, 50 Paris St, Newark 5, N J
Gen Elec Co, Schenectady 5, N Y
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
Hays Corp, E 8 St, Mich City, Ind

EMIL GREINER CARTESIAN MANOSTATS

For The Most Effective

Automatic

VACUUM and PRESSURE CONTROL



LABORATORY MODEL for automatic vacuum and pressure control

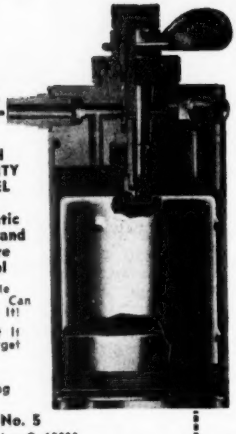
- Maintains vacuum setting even after shutting down system.
- Operation is simple and fool proof.
- High Sensitivity.

MODEL No. 6

G 15074 Cartesian Manostat No. 6, stainless steel or with clear plastic (Tenite II) body tube, delivered with mercury and directions for use.

ea. $41.25

For Complete Informati on write for Bulletin CM 97.



HIGH CAPACITY MODEL for automatic vacuum and pressure control

- So simple Anyone Can Operate It!
- Just Set It and Forget It!
- Slashes Operating Costs!

MODEL No. 5

Catalog No. G 15080 (Pat. No. 2,482,167) Complete with 3 interchangeable orifices and mercury, $95.00. Size: 7½" overall, Diameter: 3¼". Weight: approx. 8 lbs.

For Complete Information write for Bulletin ICM-96.

The EMIL GREINER Co.

20-26 N. Moore St. New York 13, N. Y.

CONTROLS, REMOTE, continued

Leslie Co, Grant Ave, Lyndhurst, N J
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Mercoid Corp, 4201 Belmont Ave, Chicago 41, Ill
Minneapolis-Honeywell Regulator Co, Micro Switch Div, Freeport, Ill
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
Rochester Mfg Co, 105 Rockwood St, Rochester 10, N Y
Swartwout Co, 18511 Euclid Ave, Cleveland 12, Ohio
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J

CONTROLS, SPEED

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee 1, Wis
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Bristol Co, Platts Mills, Waterbury, Conn
Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis
Elec Machy Mfg Co, 1331 N E Tyler St, Minneapolis 13, Minn
Federal Elec Products Co, 50 Paris St, Newark 5, N J
Gen Elec Co, Schenectady 5, N Y
Gen Radio Co, 275 Mass Ave, Cambridge 39, Mass
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Reliance Elec & Engrg Co, 1088 Ivanhoe Rd, Cleveland 10, Ohio
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa

CONTROLS, SYSTEMS, CONCENTRATION

Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bristol Co, Platts Mills, Waterbury, Conn
Gen Elec Co, Schenectady 5, N Y
Mercoid Corp, 4201 Belmont Ave, Chicago 41, Ill
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa

CONTROLS, TEMPERATURE

Allen-Bradley Co, 136 W Greenfield Ave, Milwaukee 4, Wis
American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
American Mach & Metals, 233 Broadway, N Y 7
Atlas Valve Co, 282 South St, Newark 2, N J
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Bristol Co, Platts Mills, Waterbury, Conn
Buffovak Equipment Div, 1579 Fillmore Ave Buffalo 11, N Y
Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis.
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Emmett Mach & Mfg, 2249 14 St S W, Akron 14, Ohio
Enthone Inc, 442 Elm St, New Haven, Conn
Fenwal Inc, 215 Pleasant St, Ashland, Mass
Fischer & Porter Co, Hatboro, Pa
Gen Elec Co, Schenectady 5, N Y
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Emil Greiner Co, 20-26 N Moore St, N Y 13
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
K H Huppert Co, 6830 Cottage Grove Ave, Chicago, Ill
Kaye & MacDonald, 15 Central Ave, W Orange, N J
D C Keckley Co, 400 W Madison St, Chicago 6, Ill
Leeds & Northrup Co, 4970 Stenton Ave, Phila 44, Pa
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Mercoid Corp, 4201 Belmont Ave, Chicago 41, Ill
J C Miller Co, 631 Chestnut St S W, Grand Rapids, Mich
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
Perfex Corp, 500 W Oklahoma Ave, Milwaukee, Wis
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Powers Regulator Co, 2736 Greenview Ave, Chicago 14, Ill
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
B Rauschkolb & Co, 225 W 34 St, N Y 1
Rochester Mfg Co, 105 Rockwood St, Rochester 10, N Y
Sarco Co, 350 B Ave, N Y 1
C E Squires Co, 18502 Syracuse Ave, Cleveland, Ohio
Sterling Inc, 3738 N Holton St, Milwaukee 12, Wis
Swartwout Co, 18511 Euclid Ave, Cleveland 12, Ohio
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Tenney Engrg, 26 Ave B, Newark 5, N J
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
Wheelco Instruments Co, 847 Harrison St, Chicago 7, Ill
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa
York Corp, Roosevelt & P R R, York, Pa

CONTROLS, TIME CYCLE

Allen-Bradley Co, 136 W Greenfield Ave, Milwaukee 4, Wis
American Mach & Metals, 233 Broadway, N Y 7
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Belke Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
Black, Sivalls & Bryson Eng, 15 N Cincinnati St, Tulsa, Okla
Bristol Co, Platts Mills, Waterbury, Conn
Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Emmett Mach & Mfg, 2249 14 St S W, Akron 14, Ohio
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Gen Elec Co, Schenectady 5, N Y
Lumenite Electronic Co, 407 S Dearborn St, Chicago 5, Ill
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Perfex Corp, 500 W Oklahoma Ave, Milwaukee, Wis
Photoswitch Inc, 77 Broadway, Cambridge, Mass
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Powers Regulator Co, 2736 Greenview Ave, Chicago 14, Ill
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
Wheelco Instruments Co, 847 W Harrison St, Chicago 7, Ill

CONTROLS, VACUUM

Allen-Bradley Co, 136 W Greenfield Ave, Milwaukee 4, Wis
American Mach & Metals, 233 Broadway, N Y 7
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Black, Sivalls & Bryson Eng, 15 N Cincinnati St, Tulsa, Okla
Bristol Co, Platts Mills, Waterbury, Conn
Cutler-Hammer, 315 N 12 St, Milkaukee 1, Wis
Distillation Products Industries, Rochester 3, N Y
Gen Elec Co, Schenectady 5, N Y
Emil Greiner Co, 20-26 N Moore St, N Y 13
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Mercoid Corp, 4201 Belmont Ave, Chicago 41, Ill
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
National Research Corp, 70 Memorial Dr, Cambridge 42, Mass
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Powers Regulator Co, 2736 Greenview Ave, Chicago 14, Ill
Pyrometer Instrument Co, Portland & Delport Aves, Bergenfield, N J
Rochester Mfg Co, 105 Rockwood St, Rochester 10, N Y
Schade Valve Mfg Co, 2527 N Bodine St, Phila 33, Pa
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Wallace & Tiernan, 1 Main St, Belleville, N J
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J

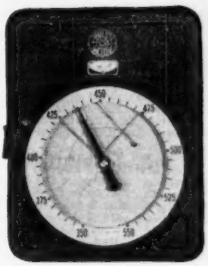
CONTROLS, VISCOSITY

Fischer & Porter Co, Hatboro, Pa
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y

CONVEYORS, APRON

Alvey-Ferguson Co, 75 Disney St, Cincinnati 9, Ohio
Barber Greene Co, 631 W Park St, Aurora, Ill
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Beaumont Birch Co, 1526 Race St, Phila 2, Pa
Berlin Chapman Co, Berlin, Wis
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
E W Buschman Co, Clifton & Spring Grove Ave, Cincinnati 32, Ohio
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Continental Gin Co, P O Box 2416, Birmingham 2, Ala
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Gifford-Wood Co, 5 Hill St, Hudson, N Y
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
International Engrg, Dayton 1, Ohio
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Lamson Corp, Lamson St, Syracuse 1, N Y
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Logan Co, 1115 Franklin St, Louisville 6, Ky
Magnetic Engrg & Mfg Co, Clifton, N J
E F Marsh Engrg Co, 4324 W Clayton St, St Louis 10, Mo
Mathews Conveyor Co, 110 10 St, Ellwood City, Pa
Samuel Olson Mfg Co, 2418 Bloomingdale Ave, Chicago 47, Ill
Procter & Schwartz, 7 & Tabor Rd, Phila 20, Pa
Speedways Conveyors, 1306 Niagara St, Buffalo 13, N Y

CONTROLLERS



Recorder - Controller

Air-Operated, Electronic, On-off Electric for

Temperature	Flow
Pressure	Level
% Oxygen	Density
% Combustibles	Ratio
Conductivity	pH

BAILEY METER CO.

1050 Ivanhoe Rd.
Cleveland 10, Ohio

CONVEYORS, APRON, continued

Standard Conveyor Co, 315 N W 2 Ave, N St Paul 9, Minn
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
M H Treadwell Co, 140 Cedar St, N Y 6
Union Chain & Mfg Co, 1936 Emmens St, Sandusky, Ohio
Jervis B Webb Co, 8951 Alpine Ave, Detroit, Mich
Webster Mfg Co, Tiffin, Ohio

CONVEYORS, BELT

Alvey-Ferguson Co, 75 Disney St, Cincinnati 9, Ohio
American Mach & Foundry Co, 485 5 Ave, N Y 17
Barber Greene Co, 631 W Park St, Aurora, Ill
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Beaumont Birch Co, 1526 Race St, Phila 2, Pa
Belt Corp, 5314 Mill St, Orient, Ohio
Berlin Chapman Co, Berlin, Wis
Bradys Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
E W Buschman Co, Clifton & Spring Grove Ave, Cincinnati 32, Ohio
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Continental Gin Co, P O Box 2416, Birmingham 2, Ala
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Duraloy Co, Scottdale, Pa
Fairfield Engrg Co, Marion, Ohio
A B Farquhar Corp, 142 N Duke St, York, Pa
Gifford-Wood Co, 5 Hill St, Hudson, N Y
Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
Great Western Mfg Co, Leavenworth, Kan
George Haiss Mfg Co, 381 Canal Pl, Bronx 51, N Y
Hamilton Rubber Mfg Corp, Mead St, Trenton 3, N J
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic N J
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
International Engrg, Dayton 1, Ohio
Island Equipment Corp, 27-01 Bridge Plaza N, L I C 1, N Y
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Joy Mfg Co, Oliver Bldg, Pittsburgh 22, Pa
Karl Kiefer Mach Co, 919 Martin St, Cincinnati 2, Ohio
Lamson Corp, Lamson St, Syracuse 1, N Y
Link-Belt Co, 3405 6 Ave S Seattle 4, Wash
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Logan Co, 1115 Franklin St, Louisville 6, Ky
Magnetic Engrg & Mfg Co, Clifton, N J
Marine Fabricators Co, 1010 State St, Perth Amboy, N J
E F Marsh Engrg Co, 4324 W Clayton St, St Louis 10, Mo
Mathews Conveyor Co, 110 10 St, Ellwood City, Pa

CONVEYORS, BELT, continued

Mercer-Robinson Co, 30 Church St, N Y 7
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Samuel Olson Mfg Co, 2418 Bloomingdale Ave, Chicago 47, Ill
Rapids-Standard Co, 155 Rapistan Bldg, Grand Rapids 2, Mich
Republic Rubber Div, Lee Rubber & Tire Corp, Albert St, Youngstown 1, Ohio
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J
George G Rodgers Co, 2401 3 Ave, N Y 51
Sandvik Steel, 111 8 Ave, N Y 11
Sintering Machy Corp, 70 Pine St, N Y 5
Speedways Conveyors, 1306 Niagara St, Buffalo 13, N Y
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
Standard Conveyor Co, 315 N W 2 Ave, N St Paul 9, Minn
Wm W Stanley, 401 Broadway, N Y
Stephens-Adams Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass
M H Treadwell Co, 140 Cedar St, N Y 6
U S Steel Supply Co, 208 S LaSalle St, Chicago 4, Ill
Universal Engrg Corp, 625 C Ave N W, Cedar Rapids, Iowa
Jervis B Webb Co, 8951 Alpine Ave, Detroit, Mich
Webster Mfg Co, Tiffin, Ohio

CONVEYORS, BUCKET

Alvey-Ferguson Co, 75 Disney St, Cincinnati 9, Ohio
Barber Greene Co, 631 W Park St, Aurora, Ill
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Beaumont Birch Co, 1526 Race St, Phila 2, Pa
Berlin Chapman Co, Berlin, Wis
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
E W Buschman Co, Clifton & Spring Grove Ave, Cincinnati 32, Ohio
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Continental Gin Co, P O Box 2416, Birmingham 2, Ala
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Fairfield Engrg Co, Marion, Ohio
Great Western Mfg Co, Leavenworth, Kan
George Haiss Mfg Co, 381 Canal Pl, Bronx 51, N Y
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 6 Ave S Seattle 4, Wash
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Magnetic Engrg & Mfg Co, Clifton, N J
E F Marsh Engrg Co, 4324 W Clayton St, St Louis 10, Mo
Mercer-Robinson Co, 30 Church St, N Y 7
Pioneer Rubber Mills, 353 Sacramento St, San Francisco 11, Cal
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass
M H Treadwell Co, 140 Cedar St, N Y 6
Union Chain & Mfg Co, 1936 Emmens St, Sandusky, Ohio
Universal Engrg Corp, 625 C Ave N W, Cedar Rapids, Iowa
Jervis B Webb Co, 8951 Alpine Ave, Detroit, Mich
Webster Mfg Co, Tiffin, Ohio

CONVEYORS, DRAG

Barber-Greene Co, 631 W Park St, Aurora, Ill
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Beaumont Birch Co, 1526 Race St, Phila 2, Pa
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
E W Buschman Co, Clifton & Spring Grove Ave, Cincinnati 32, Ohio
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Continental Gin Co, P O Box 2416, Birmingham 2, Ala
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Fairfield Engrg Co, Marion, Ohio
Gifford-Wood Co, 5 Hill St, Hudson, N Y
George Haiss Mfg Co, 381 Canal Pl, Bronx 51, N Y
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Island Equipment Corp, 27-01 Bridge Plaza N, L I C 1, N Y
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Lamson Corp, Lamson St, Syracuse 1, N Y
Link-Belt Co, 3405 6 Ave S Seattle 4, Wash
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Magnetic Engrg & Mfg Co, Clifton, N J
Mathews Conveyor Co, 110 10 St, Ellwood City, Pa
Mercer-Robinson Co, 30 Church St, N Y 7
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
M H Treadwell Co, 140 Cedar St, N Y 6
Union Chain & Mfg Co, 1936 Emmens St, Sandusky, Ohio
U S Hoffman Mach Co, 219 Lamson St, Syracuse 6, N Y
Jervis B Webb Co, 8951 Alpine Ave, Detroit, Mich
Webster Mfg Co, Tiffin, Ohio

CONVEYORS, FLEXIBLE

American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
Berlin Chapman Co, Berlin, Wis
E W Buschman Co, Clifton & Spring Grove Ave, Cincinnati 32, Ohio
Colorado Fuel & Iron Corp, P O Box 1920, Denver 1, Col
Flexoveyor Mfg Co, 1220 S Acoma St, Denver 10, Col
George Haiss Mfg Co, 381 Canal Pl, Bronx 51, N Y
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
International Selling Corp, 70 Pine St, N Y
Samuel Olson Mfg Co, 2418 Bloomingdale Ave, Chicago 47, Ill
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Union Chain & Mfg Co, 1936 Emmens St, Sandusky, Ohio

CONVEYORS, FLIGHT

Alvey-Ferguson Co, 75 Disney St, Cincinnati 9, Ohio
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Beaumont Birch Co, 1526 Race St, Phila 2, Pa
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
E W Buschman Co, Clifton & Spring Grove Ave, Cincinnati 32, Ohio
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Continental Gin Co, P O Box 2614, Birmingham 2, Ala
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Fairfield Engrg Co, Marion, Ohio
Gifford-Wood Co, 5 Hill St, Hudson, N Y
Great Western Mfg Co, Leavenworth, Kan
George Haiss Mfg Co, 381 Canal Pl, Bronx 51, N Y
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Hendrick Mfg Co, 75 Dundaff St, Carbondale, Pa
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Joy Mfg Co, Oliver Bldg, Pittsburgh 22, Pa
Lamson Corp, Lamson St, Syracuse 1, N Y
Link-Belt Co, 3405 S Ave S, Seattle 3, Wash
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Magnetic Engrg & Mfg Co, Clifton, N J
Mathews Conveyor Co, 110 10 St, Ellwood City, Pa
Samuel Olson Mfg Co, 2418 Bloomingdale Ave, Chicago 47, Ill
Read Standard Corp, York, Pa
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
Standard Conveyor Co, 315 N W 2 Ave, N St Paul 9, Minn
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass
Union Chain & Mfg Co, 1936 Emmens St, Sandusky, Ohio
Jervis B Webb Co, 8951 Alpine Ave, Detroit, Mich
Webster Mfg Co, Tiffin, Ohio

CONVEYORS, HINGE-TYPE

Alvey-Ferguson Co, 75 Disney St, Cincinnati 9, Ohio
American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
E W Buschman Co, Clifton & Spring Grove Ave, Cincinnati 32, Ohio
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Gifford-Wood Co, 5 Hill St, Hudson, N Y
Hendrick Mfg Co, 75 Dundaff St, Carbondale, Pa
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Lamson Corp, Lamson St, Syracuse 1, N Y
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Liquid Carbonic Corp, 3112 S Kedzie Ave, Chicago 23, Ill
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Samuel Olson Mfg Co, 2418 Bloomingdale Ave, Chicago 47, Ill
Procter & Schwartz, 7 & Tabor Rd, Phila 20, Pa
Speedways Conveyors, 1306 Niagara St, Buffalo 13, N Y
Union Chain & Mfg Co, 1936 Emmens St, Sandusky, Ohio
Jervis B Webb Co, 8951 Alpine Ave, Detroit, Mich

CONVEYORS, MAGNETIC

Eriez Mfg Co, 629 Commerce Bldg, Erie, Pa
Fairfield Engrg Co, Marion, Ohio
George Haiss Mfg Co, 381 Canal Pl, Bronx 51, N Y
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Magnetic Engrg & Mfg Co, Clifton, N J
Stearns Magnetic Mfg Co, 672 S 28 St, Milwaukee 46, Wis

CONVEYORS, OVERHEAD TRACK

E W Buschman Co, Clifton & Spring Grove Ave, Cincinnati 32, Ohio
Colorado Fuel & Iron Corp, P O Box 1920, Denver 1, Col
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Gifford-Wood Co, 5 Hill St, Hudson, N Y
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Lamson Corp, Lamson St, Syracuse 1, N Y
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Lippman Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Logan Co, 1115 Franklin St, Louisville 6, Ky
Mathews Conveyor Co, 110 10 St, Ellwood City, Pa
Samuel Olson Mfg Co, 2418 Bloomingdale Ave, Chicago 47, Ill
Jervis B Webb Co, 8951 Alpine Ave, Detroit, Mich

CONVEYORS, PNEUMATIC

Allen-Sherman-Hoff Co, 259 E Lancaster Ave, Wynnewood, Pa
Beaumont Birch Co, 1526 Race St, Phila 2, Pa
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
Day Co, 810 3 Ave N E, Minneapolis 13, Minn
Dracco Corp, 4063 E 116 St, Cleveland 5, Ohio
Gifford-Wood Co, 5 Hill St, Hudson, N Y
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
International Selling Corp, 70 Pine St, N Y
Lamson Corp, Lamson St, Syracuse 1, N Y
Morse Boulger Destructor Co, 211-F E 42 St, N Y 17
National Conveyors Co, 50 Church St, N Y 7
Pulverizing Machy Co, Chatham Rd, P O Box 569, Summit, N J
Spencer Turbine Co, New Park Ave No 484, Hartford, Conn
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal

CONVEYORS, PORTABLE

Airborne Conveyors Corp, 99 Hudson St, N Y 13
Belt Corp, 5314 Mill St, Orient, Ohio
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
E W Buschman Co, Clifton & Spring Grove Ave, Cincinnati 32, Ohio
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Dracco Corp, 4063 E 116 St, Cleveland 5, Ohio
Fairfield Engrg Co, Marion, Ohio
A B Farquhar Corp, 142 N Duke St, York, Pa
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Flexoveyor Mfg Co, 1220 S Acoma St, Denver 10, Col
George Haiss Mfg Co, 381 Canal Pl, Bronx 51, N Y
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Island Equipment Corp, 27-01 Bridge Plaza N, L I C 1, N Y
Lamson Corp, Lamson St, Syracuse 1, N Y
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Magnetic Engrg & Mfg Co, Clifton, N J
E F Marsh Engrg Co, 4324 W Clayton St, St Louis 10, Mo
Mathews Conveyor Co, 110 10 St, Ellwood City, Pa
Samuel Olson Mfg Co, 2418 Bloomingdale Ave, Chicago 47, Ill
Potdevin Mach Co, 1282 38 St, Bklyn 18, N Y
Rapids-Standard Co, 155 Rapistan Bldg, Grand Rapids 2, Mich
Scientific Filter Co, 57 Rose St, N Y 7
Speedways Conveyors, 1306 Niagara St, Buffalo 13, N Y
Standard Conveyor Co, 315 N W 2 Ave, N St Paul 9, Minn
Stephens-Adamson Mfg Co, 2227 E 37 St, Los Angeles 11, Cal
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal
Universal Engrg Corp, 625 C Ave N W, Cedar Rapids, Iowa

CONVEYORS, PULVERIZED MATERIAL

Allen-Sherman-Hoff Co, 259 E Lancaster Ave, Wynnewood, Pa
Beaumont Birch Co, 1526 Race St, Phila 2, Pa
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
Continental Gin Co, P O Box 2416, Birmingham 2, Ala
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Dracco Corp, 4063 E 116 St, Cleveland 5, Ohio
Fairfield Engrg Co, Marion, Ohio
A B Farquhar Corp, 142 N Duke St, York, Pa
George Haiss Mfg Co, 381 Canal Pl, Bronx 51, N Y
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
International Selling Corp, 70 Pine St, N Y
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Magnetic Engrg & Mfg Co, Clifton, N J
E F Marsh Engrg Co, 4324 W Clayton St, St Louis 10, Mo
Mercer-Robinson Co, 30 Church St, N Y 7
Morse Boulger Destructor Co, 211-F E 42 St, N Y 17
National Conveyors Co, 50 Church St, N Y 7
Pulverizing Machy Co, Chatham Rd, P O Box 596, Summit, N J
Read Standard Corp, York, Pa
Sandvik Steel, 111 8 Ave, N Y 11
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Sturtevant Mill Co, 103 Clayton St, Boston 22,
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal
Universal Engrg Corp, 625 C Ave N W, Cedar Rapids, Iowa
Jervis B Webb Co, 8951 Alpine Ave, Detroit, Mich

CONVEYORS, ROLLER

Alvey-Ferguson Co, 65 Disney St, Cincinnati 9, Ohio
American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
Berlin Chapman Co, Berlin, Wis
E W Buschman Co, Clifton & Spring Grove Ave, Cincinnati 32, Ohio
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Lamson Corp, Lamson St, Syracuse 1, N Y
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis

CONVEYORS, ROLLER, continued

Logan Co, 1115 Franklin St, Louisville 6, Ky
Magnetic Engrg & Mfg Co, Clifton, N J
Mathews Conveyor Co, 110 10 St, Ellwood City, Pa
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Samuel Olson Mfg Co, 2418 Bloomingdale Ave, Chicago 47, Ill
Rapids-Standard Co, 155 Rapistan Bldg, Grand Rapids 2, Mich
Speedways Conveyors, 1306 Niagara St, Buffalo 13, N Y
Standard Conveyor Co, 315 N W 2 Ave, N St Paul 9, Minn

CONVEYORS, ROTARY TABLE

American Mach & Foundry Co, 485 5 Ave, N Y 17
E W Buschman Co, Clifton & Spring Grove Ave, Cincinnati 32, Ohio
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Island Equipment Corp, 27-01 Bridge Plaza N, L I C 1, N Y
J C Miller Co, 631 Chestnut St S W, Grand Rapids, Mich
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Samuel Olson Mfg Co, 2418 Bloomingdale Ave, Chicago 47, Ill
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill

CONVEYORS, ROTARY TUBULAR

Hardinge Co, 240 Arch St, York, Pa
Samuel Olson Mfg Co, 2418 Bloomingdale Ave, Chicago 47, Ill

CONVEYORS, SCREW

American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
Barber-Greene Co, 631 W Park St, Aurora, Ill
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Bonnot Co, Canton 2, Ohio
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
E W Buschman Co, Clifton & Spring Grove Ave, Cincinnati 32, Ohio
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Chem Engrg Service, 3741½ S Washington, Green Bay, Wis
Continental Gin Co, P O Box 2415, Birmingham 2, Ala
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
Fairfield Engrg Co, Marion, Ohio
Gifford-Wood Co, 5 Hill St, Hudson, N Y
Great Western Mfg Co, Leavenworth, Kan
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Marine Fabricators Co, 1010 State St, Perth Amboy, N J
Mercer-Robinson Co, 30 Church St, N Y 7
Munson Mill Machy Co, 200 Seward Ave, Utica, N Y
Peerless Bread Machy Corp, Park St, Sidney, Ohio
Read Standard Corp, York, Pa
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
Stephen-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass
Jervis B Webb Co, 8951 Alpine Ave, Detroit, Mich
Webster Mfg Co, Tiffin, Ohio

CONVEYORS, SLAT

Alvey-Ferguson Co, 75 Disney St, Cincinnati 9, Ohio
American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
E W Buschman Co, Clifton & Spring Grove Ave, Cincinnati 32, Ohio
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Chem Engrg Service, 3741½ S Washington, Green Bay, Wis
Continental Gin Co, P O Box 2416, Birmingham 2, Ala
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Fairfield Engrg Co, Marion, Ohio
Gifford-Wood Co, 5 Hill St, Hudson, N Y
George Haiss Mfg Co, 381 Canal Pl, Bronx 51, N Y
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Lamson Corp, Lamson St, Syracuse 1, N Y
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Logan Co, 1115 Franklin St, Louisville 6, Ky
Magnetic Engrg & Mfg Co, Clifton, N J
Mathews Conveyor Co, 110 10 St, Ellwood City, Pa
Mercer-Robinson Co, 30 Church St, N Y 7
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Samuel Olson Mfg Co, 2418 Bloomingdale Ave, Chicago 47, Ill
Proctor & Schwartz, 7 & Tabor Rd, Phila 20, Pa
Standard Conveyor Co, 315 N W 2 Ave, N St Paul 9, Minn
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Union Chain & Mfg Co, 1936 Emmens St, Sandusky, Ohio
Jervis B Webb Co, 8951 Alpine Ave, Detroit, Mich
Webster Mfg Co, Tiffin Ohio

CONVEYORS, TRAY

Alvey-Ferguson Co, 75 Disney St, Cincinnati 9, Ohio
American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
E W Buschman Co, Clifton & Spring Grove Ave, Cincinnati 32, Ohio
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Gifford-Wood Co, 5 Hill St, Hudson, N Y
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Lamson Corp, Lamson St, Syracuse 1, N Y
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Magnetic Engrg & Mfg Co, Clifton, N J
Mathews Conveyor Co, 110 10 St, Ellwood City, Pa
Mercer-Robinson Co, 30 Church St, N Y 7
Samuel Olson Mfg Co, 2418 Bloomingdale Ave, Chicago 47, Ill
Standard Conveyor Co, 315 N W 2 Ave, N St Paul 9, Minn
Union Chain & Mfg Co, 1936 Emmens St, Sandusky, Ohio
Jervis B Webb Co, 8951 Alpine Ave, Detroit, Mich

CONVEYORS, TROLLEY

Alvey-Ferguson Co, 75 Disney St, Cincinnati 9, Ohio
E W Buschman Co, Clifton & Spring Grove Ave, Cincinnati 32, Ohio
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Gifford-Wood Co, 5 Hill St, Hudson, N Y
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Lamson Corp, Lamson St, Syracuse 1, N Y
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Logan Co, 1115 Franklin St, Louisville 6, Ky
Mathews Conveyor Co, 110 10 St, Ellwood City, Pa
Samuel Olson Mfg Co, 2418 Bloomingdale Ave, Chicago 47, Ill
Jervis B Webb Co, 8951 Alpine Ave, Detroit, Mich

CONVEYORS, UNIVERSAL CARRIER

Airborne Conveyors Corp, 99 Hudson St, N Y 13
Gifford-Wood Co, 5 Hill St, Hudson, N Y
International Selling Corp, 70 Pine St, N Y
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Lamson Corp, Lamson St, Syracuse 1, N Y
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Union Chain & Mfg Co, 1936 Emmens St, Sandusky, Ohio

CONVEYORS, VIBRATING

Continental Gin Co, P O Box 2416, Birmingham 2, Ala
Fairfield Engrg Co, Marion, Ohio
Gifford-Wood Co, 5 Hill St, Hudson, N Y
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Joy Mfg Co, Oliver Bldg, Pittsburgh 22, Pa
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Syntron Co, 421 Lexington Ave, Homer City, Pa

CONVEYORS, WASHING

J C Corrigan Co, 41 Norwood St, Boston 22, Mass
De Laval Steam Turbine Co, 853 Nottingham Way, Trenton 2, N J
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
J C Miller Co, 631 Chestnut St S W, Grand Rapids, Mich
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora Ill

CONVEYORS, WEIGHING

J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
International Selling Corp, 70 Pine St, N Y
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Mathews Conveyor Co, 110 10 St, Ellwood City, Pa
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
Omega Mach Co, 345 Harris Ave, Providence 1, R I
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J
Sintering Machy Corp, 70 Pine St, N Y 5
Syntron Co, 421 Lexington Ave, Homer City, Pa

COOKERS, PRESSURE

Acme Coppersmithing & Mach Co, Oreland, Pa
Blaw-Knox Co, Blawnox, Pa
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Edgemoor Iron Works, Edgemoor, Del
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
H W North Co, E 13 & Parade Sts, Erie, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Pfaudler Co, 1000 W Ave, Rochester 3, N Y

COOKERS, STEAM

Acme Coppersmithing & Mach Co, Oreland, Pa
Berlin Chapman Co, Berlin, Wis
Blaw-Knox Co, Blawnox, Pa
Chicago Stainless Equipment Co, 5001 Elston Ave, Chicago 30, Ill
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Metal Glass Products Co, Belding, Mich
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio

COOKERS, STEAM AUTOCLAVE

Acme Coppersmithing & Mach Co, Oreland, Pa
Berlin Chapman Co, Berlin, Wis
Bethlehem Steel Co, Bethlehem, Pa
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Chicago Stainless Equipment Co, 5001 Elston Ave, Chicago 30, Ill
Edgemoor Iron Works, Edgemoor, Del
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Emil Greiner Co, 20-26 N Moore St, N Y 13
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
L O Koven & Bros, 154 Ogden Ave, Jersey City 7, N J
H W North Co, E 13 & Parade Sts, Erie, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
M H Treadwell Co, 140 Cedar St, N Y 6
Union Iron Works, 15 & Cascade Sts, Erie, Pa

COOLERS, ACID

Acme Coppersmithing & Mach Co, Oreland, Pa
Bell & Gossett Co, Morton Grove, Ill
British-American Carbon Corp, 18 E 48 St, N Y
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Corning Glass Works, Corning, N Y
Downingtown Iron Works, Downingtown, Pa
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Graham Mfg Co, 415 Lexington Ave, N Y 17
Lummus Co, 385 Madison Ave, N Y 17
J C Miller Co, 631 Chestnut St S W, Grand Rapids, Mich
National Radiator Co, 60 E 42 St, N Y 17
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
U S Stoneware Co, 60 E 42 St, N Y
Western Supply Co, 424 N Boulder St, Tulsa, Okla
Whitlock Mfg Co, 74 South St, Hartford 10, Conn

COOLERS, AIR

Acme Coppersmithing & Mach Co, Oreland, Pa
Air Conditioning, York Co, York, Pa
Andale Co, 1740 Cherry St, Phila 3, Pa
Baker Refrigeration Corp, S Windham, Me
Bell & Gossett Co, Morton Grove, Ill
Brown Fintube Co, Elyria, Ohio
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Downingtown Iron Works, Downingtown, Pa
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Frick Co, Waynesboro, Pa
Gen Elec Co, 5 Lawrence St, Bloomfield, N J
Graham Mfg Co, 415 Lexington Ave, N Y 17
Griscom-Russell Co, Massillon, Ohio
Arthur D Little, Cambridge 42, Mass
McQuay Inc, 1600 Broadway N E, Minneapolis 13, Minn
National Radiator Co, 60 E 42 St, N Y 17
Ross Heater & Mfg Co, 1434 West Ave, Buffalo, N Y
Schutte Koerting Co, Cornwells Heights, Bucks Co, Pa
Stacey Bros Gas Construction Co, 5534 Vine St, Cincinnati 16, Ohio
Trane Co, 300 Cameron Ave, La Crosse, Wis
Vilter Mfg Co, 2117 S 1 St, Milwaukee 7, Wis
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
York Corp, Rooseveit & P R R, York, Pa

COOLERS, AIR QUENCHING

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Bell & Gossett Co, Morton Grove, Ill
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Downingtown Iron Works, Downingtown, Pa
Griscom-Russell Co, Massillon, Ohio
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Trane Co, 300 Cameron Ave, La Crosse, Wis
Whitlock Mfg Co, 74 South St, Hartford 10, Conn

COOLERS, AMMONIA

Acme Coppersmithing & Mach Co, Oreland, Pa
Air Conditioning, York Co, York, Pa
Baker Refrigeration Corp, S Windham, Me
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Downingtown Iron Works, Downingtown, Pa

COOLERS, AMMONIA, continued

Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Enzinger Union Corp, Angola, N Y
Frick Co, Waynesboro, Pa
Lummus Co, 385 Madison Ave, N Y 17
Monjonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
National Radiator Co, 60 E 42 St, N Y 17
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Ross Heater & Mfg Co, 1434 West Ave, Buffalo, N Y
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Trane Co, 300 Cameron Ave, La Crosse, Wis
Vilter Mfg Co, 2117 S 1 St, Milwaukee 7, Wis
Western Supply Co, 424 N Boulder St, Tulsa, Okla
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
York Corp, Rooseveit & P R R, York, Pa

COOLERS, BRINE

Acme Industries, 618 N Mechanic St, Jackson, Mich
Air Conditioning, York Co, York, Pa
American District Steam Co, 380 Bryant St, N Tonawanda, N Y
Baker Refrigeration Corp, S Windham, Me
Bell & Gossett Co, Morton Grove, Ill
Binks Mfg Co, 3114-40 Carroll Ave, Chicago, Ill
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Downingtown Iron Works, Downingtown, Pa
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Enzinger Union Corp, Angola, N Y
Frick Co, Waynesboro, Pa
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Griscom-Russell Co, Massillon, Ohio
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Lummus Co, 385 Madison Ave, N Y 17
National Radiator Co, 60 E 42 St, N Y 17
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal
Ross Heater & Mfg Co, 1434 West Ave, Buffalo, N Y
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Trane Co, 300 Cameron Ave, La Crosse, Wis
Vilter Mfg Co, 2117 S 1 St, Milwaukee 7, Wis
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
Western Supply Co, 424 N Boulder St, Tulsa, Okla
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
York Corp, Roosevelt & P R R, York, Pa

COOLERS, CARBON DIOXIDE

Acme Coppersmithing & Mach Co, Oreland, Pa
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Frick Co, Waynesboro, Pa
Lummus Co, 385 Madison Ave, N Y 17
National Radiator Co, 60 E 42 St, N Y 17
Vilter Mfg Co, 2117 S 1 St, Milwaukee 7, Wis
Western Supply Co, 424 N Boulder St, Tulsa, Okla
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
York Corp, Roosevelt & P R R, York, Pa

COOLERS, ELECTRO VIBRATING

J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio

COOLERS, GAS

Acme Coppersmithing & Mach Co, Oreland, Pa
Andale Co, 1740 Cherry St, Phila 3, Pa
Bell & Gossett Co, Morton Grove, Ill
Brown Fintube Co, Elyria, Ohio
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Downingtown Iron Works, Downingtown, Pa
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Foster-Wheeler Corp, 165 Broadway, N Y 6
Frick Co, Waynesboro, Pa
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Graham Mfg Co, 415 Lexington Ave, N Y 17
Griscom-Russell Co, Massillon, Ohio
Industrial Engrs, 2 Lister Ave, Newark 5, N J
National Radiator Co, 60 E 42 St, N Y 17
Ross Heater & Mfg Co, 1434 West Ave, Buffalo, N Y
Schutte Koerting Co, Cornwells Heights, Bucks Co, Pa
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Stearns-Rogers Mfg Co, 1720 California St, Denver 2, Col
Trane Co, 300 Cameron Ave, La Crosse, Wis
Vilter Mfg Co, 2117 S 1 St, Milwaukee 7, Wis
Western Supply Co, 424 N Boulder St, Tulsa, Okla
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Young Radiator Co, 6 & Marquette Sts, Racine, Wis
York Corp, Roosevelt & P R R, York, Pa

COOLERS, GLASS

Corning Glass Works, Corning, N Y
A B Farquhar Corp, 142 N Duke St, York, Pa

COOLERS, OIL

Acme Coppersmithing & Mach Co, Oreland, Pa
Acme Industries, 618 N Mechanic St, Jackson, Mich
American District Steam Co, 380 Bryant St, N Tonawanda, N Y
Andale Co, 1740 Cherry St, Phila 3, Pa
Bell & Gossett Co, Morton Grove, Ill
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Edgemoor Iron Works, Edgemoor, Del
Frick Co, Waynesboro, Pa
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Graham Mfg Co, 415 Lexington Ave, N Y 17
Griscom-Russell Co, Massillon, Ohio
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Lummus Co, 385 Madison Ave, N Y 17
National Radiator Co, 60 E 42 St, N Y 17
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Ross Heater & Mfg Co, 1434 West Ave, Buffalo, N Y
Schutte Koerting Co, Cornwells Heights, Bucks Co, Pa
Stearns-Rogers Mfg Co, 1720 California St, Denver 2, Col
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Trane Co, 300 Cameron Ave, La Crosse, Wis
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
Western Supply Co, 424 N Boulder St, Tulsa, Okla
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Young Radiator Co, 6 & Marquette Sts, Racine, Wis

COOLERS, ROTARY

G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Bonnot Co, Canton 2, Ohio
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Gen American Trans Corp, 135 S LaSalle St, Chicago 90, Ill
Hardinge Co, 240 Arch St, York, Pa
Nordberg Mfg Co, Milwaukee 7, Wis
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Traylor Engrg & Mfg Co, Allentown, Pa
Vulcan Iron Works, 1730 Main St, Wilkes-Barre, Pa
Wyssmont Co, 31-08 N Blvd, L I C 1, N Y

COOLERS, WATER

Acme Coppersmithing & Mach Co, Oreland, Pa
Acme Industries, 618 N Mechanic St, Jackson, Mich
American District Steam Co, 380 Bryant St, N Tonawanda, N Y
Baker Refrigeration Corp, S Windham, Me
Bell & Gossett Co, Morton Grove, Ill
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Cherry-Burrell Corp, 427 W Randolph St, Chicago 6, Ill
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Frick Co, Waynesboro, Pa
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Griscom-Russell Co, Massillon, Ohio
Liquid Carbonic Corp, 3112 S Kedzie Ave, Chicago 23, Ill
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
National Radiator Co, 60 E 42 St, N Y 17
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal
Ross Heater & Mfg Co, 1434 West Ave, Buffalo, N Y
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Trane Co, 300 Cameron Ave, La Crosse, Wis
Vilter Mfg Co, 2117 S 1 St, Milwaukee 7, Wis
Western Supply Co, 424 N Boulder St, Tulsa, Okla
Westinghouse Elec Co, Hyde Park, Boston 36, Mass
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
York Corp, Roosevelt & P R R, York, Pa

COOLING TOWERS, SPRAY

Acme Coppersmithing & Mach Co, Oreland, Pa
Acme Industries, 618 N Mechanic St, Jackson, Mich
American Car & Foundry Co, 30 Church St, N Y 7
Baker Refrigeration Corp, S Windham, Me
Binks Mfg Co, 3114 Carroll Ave, Chicago 12, Ill
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Foster-Wheeler Corp, 165 Broadway, N Y 6
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
Hudson Engrg Corp, 2711 Banville St, Houston 6, Tex
Lilie-Hoffman Cooling Towers, 4239 Duncan Ave, St Louis 10, Mo
Marley Co, 222 W Gregory Blvd, Kansas City 5, Mo
Marlo Coil Co, 6135 Manchester Ave, St Louis, Mo
McQuay Inc, 1600 Broadway N E, Minneapolis 13, Minn
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
J F Pritchard & Co, 908 Grand Ave, Kansas City 6, Mo
Schutte Koerting Co, Cornwells Heights, Bucks Co, Pa
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Tenney Engrg, 26 Ave B, Newark 5, N J
Westinghouse Elec Co, Hyde Park, Boston 36, Mass
C H Wheeler Mfg Co, Lehigh & Sedgley Aves, Phila 32, Pa

COPPERSMITHS

Acme Coppersmithing & Mach Co, Oreland, Pa
American Copper & Brass Works, 610 E Front St, Cincinnati 2, Ohio
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio

CORK (SHEETS, BLOCKS, GRANULATED, ETC.)

Armstrong Cork Co, 985 Concord Ave, Lancaster, Pa
Felt Products Mfg Co, 1508 Carroll Ave, Chicago 7, Ill

CORKS, BOTTLE

Armstrong Cork Co, 985 Concord Ave, Lancaster, Pa
Will Corp, Rochester 3, N Y

COTTON PADDING

Johnson & Johnson, 4949 W 65 St, Chicago 38, Ill

COUNTERS, ELECTRIC

Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Production Instrument Co, 710 W Jackson Blvd, Chicago 6, Ill
Radio Corp of America, Camden, N J
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J

COUNTING MACHINES (REVOLUTION)

Emmett Mach & Mfg, 2249 14 St S W, Akron 14, Ohio
J L Ferguson Co, Route 52 at Republic Ave, Joliet, Ill
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Gen Elec Co, Schenectady 5, N Y
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Potdevin Mach Co, 1282-38 St, Bklyn 18, N Y
Production Instrument Co, 710 W Jackson Blvd, Chicago 6, Ill
Streeter-Amet Co, 4101 Ravenswood Ave, Chicago 13, Ill

COUPLES, PYROMETER

Bristol Co, Platts Mills, Waterbury, Conn
Gen Elec Co, Schenectady 5, N Y
Emil Greiner Co, 20-26 N Moore St, N Y 13
Hoskins Mfg Co, 4445 Lawton Ave, Detroit, Mich
Leeds & Northrup Co, 4970 Stenton Ave, Phila 44, Pa
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Pyrometer Instrument Co, Portland & Delport Aves, Bergenfield, N J
Thermo-Elec Co, 22-02 Raphael St, Fairlawn, N J

COUPLINGS, FLEXIBLE

Appleton Elec Co, 1713 W Wellington Ave, Chicago 11, Ill
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Chiksan Co, Brea, Cal
Continental Gin Co, P O Box 2416, Birmingham 2, Ala
Diamond Chain Co, 400 Kentucky Ave, Indianapolis 7, Ind
Falk Corp, 3001 W Canal St, Milwaukee 8, Wis
Foote Bros Gear & Mach Co, 4545 S Western Blvd, Chicago 9, Ill
Great Western Mfg Co, Leavenworth, Kan
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
W A Jones Foundry & Mach Co, 4401 W Roosevelt Rd, Chicago 24, Ill
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Lovejoy Flexible Coupling Co, 5001 W Lake St, Chicago 44, Ill
Morse Chain Co, 7601 Central St, Detroit 8, Mich
Pioneer Rubber Mills, 353 Sacramento St, San Francisco 11, Cal
Sier Bath Gear & Pump Co, 9251 Hudson Blvd, N Bergen, N J
Thomas Flexible Coupling Co, Warren, Pa
Union Chain & Mfg Co, 1936 Emmens St, Sandusky, Ohio
Whitney Chain & Mfg Co, 237 Whitney St, Hartford 2, Conn
J A Zurn Mfg Co, 1801 Pittsburgh Ave, Erie, Pa

COUPLINGS, RIGID

Appleton Elec Co, 1713 W Wellington Ave, Chicago 13, Ill
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Continental Gin Co, P O Box 2416, Birmingham 2, Ala
Falk Corp, 3001 W Canal St, Milwaukee 8, Wis
Foote Bros Gear & Mach Co, 4545 S Western Blvd, Chicago 9, Ill
International Engrg, Dayton 1, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio

COUPLINGS, SHAFT

G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Diamond Chain Co, Indianapolis 7, Ind
Falk Corp, 3100 W Canal St, Milwaukee 8, Wis
Foote Bros Gear & Mach Co, 4545 S Western Blvd, Chicago 9, Ill
Great Western Mfg Co, Leavenworth, Kan
International Engrg, Dayton 1, Ohio
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Morse Chain Co, 7601 Central St, Detroit 8, Mich
Sier Bath Gear & Pump Co, 9251 Hudson Blvd, N Bergen, N J
Stephens-Adamson Mfg Co, 2227 E 37 St, Los Angeles 11, Cal
Whitney Chain & Mfg Co, 237 Whitney St, Hartford 2, Conn

CRANES

Elwill-Parker Elec Co, 4037 St Clair Ave, Cleveland 14, Ohio
Harnischfeger Corp, 4400 W National Ave, Milwaukee 14, Wis
Hyster Co, 2902-91 N E Clackamas, Portland 8, Ore
Mercer-Robinson Co, 30 Church St, N Y 7
Orton Crane & Shovel Co, 608 S Dearborn St, Chicago 5, Ill
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
Shepard Niles Crane & Hoist Corp, Schuyler Ave, Montour Falls, N Y
Silent Hoist & Crane Co, 848 63 St, Bklyn 20, N Y
Unit Crane & Shovel Co, 6411 W Burnham St, Milwaukee 14, Wis
Whiting Corp, Swenson Evaporator Div, Harvey, Ill

CRANES, CRAWLER

American Chain & Cable Co, Wright Hoist Div, York, Pa
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Harnischfeger Corp, 4400 W National Ave, Milwaukee 14, Wis
Shepard Niles Crane & Hoist Corp, Schuyler Ave, Montour Falls, N Y
Silent Hoist & Crane Co, 848 63 St, Bklyn 20, N Y

CRANES, ELECTRIC

Elwill-Parker Elec Co, 4037 St Clair Ave, Cleveland 14, Ohio
Harnischfeger Corp, 4400 W National Ave, Milwaukee 14, Wis
Lewis-Shepard Products, 119 Walnut St, Watertown 72, Mass
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
Shepard Niles Crane & Hoist Corp, Schuyler Ave, Montour Falls, N Y
Unit Crane & Shovel Co, 6411 W Burnham St, Milwaukee 14, Wis
Whiting Corp, Swenson Evaporator Div, Harvey, Ill

CRANES, CRAB BUCKET

Harnischfeger Corp, 4400 W National Ave, Milwaukee 14, Wis
Shepard Niles Crane & Hoist Corp, Schuyler Ave, Montour Falls, N Y
Streeter-Amet Co, 4101 Ravenswood Ave, Chicago 13, Ill
Whiting Corp, Swenson Evaporator Div, Harvey, Ill

CRANES, HAND OPERATED

American Chain & Cable Co, Wright Hoist Div, York, Pa
Lewis-Shepard Products, 119 Walnut St, Watertown 72, Mass
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
Shepard Niles Crane & Hoist Corp, Schuyler Ave, Montour Falls, N Y
Whiting Corp, Swenson Evaporator Div, Harvey, Ill

CRANES, JIB & BOOM

Harnischfeger Corp, 4400 W National Ave, Milwaukee 14, Wis
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
Silent Hoist & Crane Co, 848 63 St, Bklyn 20, N Y
Unit Crane & Shovel Co, 6411 W Burnham St, Milwaukee 14, Wis
Western Gear Works, 417 9 Ave S, Seattle 4, Wash
Whiting Corp, Swenson Evaporator Div, Harvey, Ill

CRANES, MAGNET

Harnischfeger Corp, 4400 W National Ave, Milwaukee 14, Wis
Shepard Niles Crane & Hoist Corp, Schuyler Ave, Montour Falls, N Y
Unit Crane & Shovel Co, 6411 W Burnham St, Milwaukee 14, Wis
Whiting Corp, Swenson Evaporator Div, Harvey, Ill

CRANES, TRAVELING

American Chain & Cable Co, Wright Hoist Div, York, Pa
Electro Lift, 30 Church St, N Y 7
Harnischfeger Corp, 4400 W National Ave, Milwaukee 14, Wis
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
Shepard Niles Crane & Hoist Corp, Schuyler Ave, Montour Falls, N Y
Whiting Corp, Swenson Evaporator Div, Harvey, Ill

CRANES, TRUCK

Baker-Raulang Co, 1209 W 80 St, Cleveland 2, Ohio
Elwill-Parker Elec Co, 4037 St Clair Ave, Cleveland 14, Ohio
Harnischfeger Corp, 4400 W National Ave, Milwaukee 14, Wis
Hyster Co, 2902-91 N E Clackamas, Portland 8, Ore
Mercer-Robinson Co, 30 Church St, N Y 7
Shepard Niles Crane & Hoist Corp, Schuyler Ave, Montour Falls, N Y
Silent Hoist & Crane Co, 848 63 St, Bklyn 20, N Y
Unit Crane & Shovel Co, 6411 W Burnham St, Milwaukee 14, Wis

CRANES, TRUCKS AND TRAILERS

Harnischfeger Corp, 4400 W National Ave, Milwaukee 14, Wis
Mercer-Robinson Co, 30 Church St, N Y 7

CRUCIBLES (SILICA, QUARTZ)

Corning Glass Works, Corning, N Y
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Morganite Inc, 33-04 48 Ave, L I C 1, N Y
Nieder Fused Quartz Co, Babson Park Ave, Babson Park 57, Mass

CRUCIBLES, CARBON

Falls Industries, Aurora Rd, Solon, Ohio
Marine Fabricators Co, 1010 State St, Perth Amboy, N J
Morganite Inc, 33-04 48 Ave, L I C 1, N Y

CRUCIBLES, CLAY

Denver Fire Clay Co, 2301 Blake St, Denver 17, Col
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill

CRUCIBLES, PLATINUM

Metals & Controls Corp, 24 Forest St, Attleboro, Mass
Will Corp, Rochester 3, N Y

CRUCIBLES, PORCELAIN

Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
Illinois Elec Porcelain Co, Box 272, Macomb, Ill
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Morganite Inc, 33-04 48 Ave, L I C 1, N Y
Arthur H Thomas Co, 230 S 7 St, Phila, Pa
Will Corp, Rochester 3, N Y

CRUSHERS, COAL

American Pulverizer Co, 1249 Macklind Ave, St Louis 10, Mo
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Beaumont Birch Co, 1526 Race St, Phila 2, Pa
Bonnot Co, Canton 2, Ohio

CRUSHERS, COAL, continued

Fairfield Engrg Co, Marion, Ohio
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Mercer-Robinson Co, 30 Church St, N Y 7
Pennsylvania Crusher Co, 1721 Liberty Trust Bldg, Phila 7, Pa
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass
Williams Patent Crusher & Pulverizer Co, 813 Montgomery St, St Louis, Mo

CRUSHERS, CONE

G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Mercer-Robinson Co, 30 Church St, N Y 7
Munson Mill Machy Co, 200 Seward Ave, Utica, N Y
Nordberg Mfg Co, Milwaukee 7, Wis
Pennsylvania Crusher Co, 1721 Liberty Trust Bldg, Phila 7, Pa
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y

CRUSHERS, DISK

Bauer Bros Co, 727 Sheridan Ave, Springfield, Ohio
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Mercer-Robinson Co, 30 Church St, N Y 7
Munson Mill Machy Co, 200 Seward Ave, Utica, N Y
Pennsylvania Crusher Co, 1721 Liberty Trust Bldg, Phila 7, Pa
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Straub Co, 4059 Ridge Ave, Phila, Pa
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass

CRUSHERS, GYRATORY

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Nordberg Mfg Co, Milwaukee 7, Wis
Pennsylvania Crusher Co, 1721 Liberty Trust Bldg, Phila 7, Pa
Charles Ross & Son Co, 148 Classon Ave, Bklyn, N Y
Smith Engrg Works, 532 E Capitol Dr, Milwaukee 12, Wis
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Traylor Engrg & Mfg Co, Allentown, Pa

CRUSHERS, HAMMER

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
American Pulverizer Co, 1249 Macklind Ave, St Louis 10, Mo
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Bauer Bros Co, 1727 Sheridan Ave, Springfield, Ohio
Bonnot Co, Canton 2, Ohio
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Mercer-Robinson Co, 30 Church St, N Y 7
Munson Mill Machy Co, 200 Seward Ave, Utica, N Y

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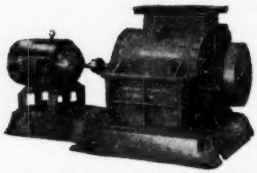
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St. Louis 10, Mo.

CRUSHERS, HAMMER, continued

Parten Mach Co, 311 Portland Ave, Minneapolis 51, Minn
Pennsylvania Crusher Co, 1721 Liberty Trust Bldg, Phila 7, Pa
Pulva Corp, 550 High St, Perth Amboy, N J
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal
Stephens-Adamson Mfg Co, 2227 E 37 St, Los Angeles 11, Cal
Straub Co, 4059 Ridge Ave, Phila, Pa
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass
Universal Engrg Corp, 625 C Ave N W, Cedar Rapids, Iowa
Williams Patent Crusher & Pulverizer Co, 813 Montgomery St, St Louis, Mo

CRUSHERS, ICE

American Pulverizer Co, 1249 Macklind Ave, St Louis 10, Mo
Gifford-Wood Co, 5 Hill St, Hudson, N Y
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio

CRUSHERS, IMPACT

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Bonnot Co, Canton 2, Ohio
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Mercer-Robinson Co, 30 Church St, N Y 7
Parten Mach Co, 311 Portland Ave, Minneapolis 51, Minn
Pennsylvania Crusher Co, 1721 Liberty Trust Bldg, Phila 7, Pa
Pulva Corp, 550 High St, Perth Amboy, N J
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal
Williams Patent Crusher & Pulverizer Co, 813 Montgomery St, St Louis, Mo

CRUSHERS, JAW

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Elgin Softener Corp, Elgin, Ill
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Pennsylvania Crusher Co, 1721 Liberty Trust Bldg, Phila 7, Pa

CRUSHERS, JAW, continued

Smith Engrg Works, 532 E Capitol Dr, Milwaukee 12, Wis
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Straub Co, 4059 Ridge Ave, Phila, Pa
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass
Traylor Engrg & Mfg Co, Allentown, Pa
Universal Engrg Corp, 625 C Ave N W, Cedar Rapids, Iowa
Universal Rd Mach Co, Emerick St, Kingston, N Y

CRUSHERS, LABORATORY

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
American Pulverizer Co, 1249 Macklind Ave, St Louis 10, Mo
J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
Denver Fire Clay Co, 2301 Blake St, Denver 17, Col
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Mine & Smelter Supply Co, 1422 17 St, Denver 17, Col
Parten Mach Co, 311 Portland Ave, Minneapolis 51, Minn
Pennsylvania Crusher Co, 1721 Liberty Trust Bldg, Phila 7, Pa
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass
Arthur H Thomas Co, 230 S 7 St, Phila, Pa
Will Corp, Rochester 3, N Y
Williams Patent Crusher & Pulverizer Co, 813 Montgomery St, St Louis, Mo

CRUSHERS, RING

American Pulverizer Co, 1249 Macklind Ave, St Louis 10, Mo
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Pennsylvania Crusher Co, 1721 Liberty Trust Bldg, Phila 7, Pa
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Williams Patent Crusher & Pulverizer Co, 813 Montgomery St, St Louis, Mo

CRUSHERS, ROLL

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Bonnot Co, Canton 2, Ohio
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
International Engrg, Bayton 1, Ohio
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Pennsylvania Crusher Co, 1721 Liberty Trust Bldg, Phila 7, Pa
Pulverizing Machy Co, Chatham Rd, P O Box 569, Summit, N J
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Smith Engrg Works, 532 E Capitol Dr, Milwaukee 12, Wis
Stephens-Adamson Mfg Co, 2227 E 37 St, Los Angeles 11, Cal
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass
Universal Engrg Corp, 625 C Ave N W, Cedar Rapids, Iowa
Williams Patent Crusher & Pulverizer Co, 813 Montgomery St, St Louis, Mo

CRUSHERS, ROTARY

G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
Mercer-Robinson Co, 30 Church St, N Y 7
Munson Mill Machy Co, 200 Seward Ave, Utica, N Y
Parten Mach Co, 311 Portland Ave, Minneapolis 51, Minn
Pennsylvania Crusher Co, 1721 Liberty Trust Bldg, Phila 7, Pa
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal
Smith Engrg Works, 532 E Capitol Dr, Milwaukee 12, Wis
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass

CRUSHERS, SAW TOOTH

Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Mercer-Robinson Co, 30 Church St, N Y 7
Munson Mill Machy Co, 200 Seward Ave, Utica, N Y
Pennsylvania Crusher Co, 1721 Liberty Trust Bldg, Phila 7, Pa
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa

CRUSHERS, STONE

American Pulverizer Co, 1249 Macklind Ave, St Louis 19, Mo

CRYSTALLIZERS

Acme Coppersmithing & Mach Co, Oreland, Pa
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Dorr Co, Barry Pl, Stamford, Conn
Edgemoor Iron Works, Edgemoor, Del
Glascote Products, 20900 St Clair Ave, Cleveland 17, Ohio
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
M H Treadwell Co, 140 Cedar St, N Y 6
Whiting Corp, Swenson Evaporator Div, Harvey, Ill
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

CRYSTALLIZERS, VACUUM

Acme Coppersmithing & Mach Co, Oreland, Pa
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Edgemoor Iron Works, Edgemoor, Del
Goslin-Birmingham Mfg Co, Box 631, Birmingham, Ala
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Whiting Corp, Swenson Evaporator Div, Harvey, Ill
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

CUPS, GREASE

Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
Stewart-Warner Corp, 1828 W Diversy Blvd, Chicago 14, Ill

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Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio
York Corp, Roosevelt & P R R, York, Pa

CYLINDERS, CHLORINE

A B Murray Co, 649 Green Lane, Elizabeth, N J
Pressed Steel Tank Co, 1499 S 66 St, Milwaukee 14, Wis

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Combustion Engrg-Superheater, 200 Madison Ave, N Y 16
Walter Kidde & Co, 675 Main St, Belleville 9, N J
A B Murray Co, 649 Green Lane, Elizabeth, N J
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Pressed Steel Tank Co, 1499 S 66 St, Milwaukee 14, Wis
Wall-Colmonoy Corp, 19345 John R St, Detroit 3, Mich
York Corp, Roosevelt & P R R, York, Pa

CYLINDERS, HYDRAULIC

Autoclave Engrs, 860 E 19 St, Erie, Pa
Bethlehem Steel Co, Bethlehem, Pa
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Chicago Pneumatic Tool Co, 6 E 44 St, N Y 17
Hanna Engrg Works, 1765 Elston Ave, Chicago 22, Ill
Hannifin Corp, 1138 S Kilbourn Ave, Chicago 24, Ill
Struthers Wells Corp, S Franklin St, Titusville, Pa
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

CYLINDERS, LIQUIFIED GAS

Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
Hannifin Corp, 1138 S Kilbourn Ave, Chicago 24, Ill
Insto-Gas Corp, 1977 E Woodbridge, Detroit 7, Mich
Linde Air Products Co, 30 E 42 St, N Y 17
A B Murray Co, 649 Green Lane, Elizabeth, N J
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Pressed Steel Tank Co, 1499 S 66 St, Milwaukee 14, Wis
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

CYLINDERS, PNEUMATIC

Hanna Engrg Works, 1765 Elston Ave, Chicago 22, Ill
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

CYLINDERS, PROPANE, BUTANE

Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Edgemoor Iron Works, Edgemoor, Del
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
A B Murray Co, 649 Green Lane, Elizabeth, N J
Pressed Steel Tank Co, 1499 S 66 St, Milwaukee 14, Wis
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

CYLINDERS, STEEL

Alloy Products Co, 1045 Perkins Ave, Waukesha, Wis
Bethlehem Steel Co, Bethlehem, Pa
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgemoor, Del
Electrochem Construction Co, 18 E 41 St, N Y 17
Glasco Equipment Corp, 6 Wall St, Paterson 4, N J
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Walter Kidde & Co, 675 Main St, Belleville 9, N J
A B Murray Co, 649 Green Lane, Elizabeth, N J
National Annealing Box Co, Washington, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Pressed Steel Tank Co, 1499 S 66 St, Milwaukee 14, Wis
M H Treadwell Co, 140 Cedar St, N Y 6
Union Iron Works, 15 & Cascade Sts, Erie, Pa
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

CYLINDERS, WELDED

Alloy Products Co, 1045 Perkins Ave, Waukesha, Wis
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgemoor, Del
Gen American Transportation Corp, Field Bldg, Chicago 90, Ill
Glasco Equipment Corp, 6 Wall St, Paterson 4, N J
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Walter Kidde & Co, 675 Main St, Belleville 9, N J
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
L O Koven & Bros, 154 Ogden Ave, Jersey City 7, N J
Marine Fabricators Co, 1010 State St, Perth Amboy, N J
A B Murray Co, 649 Green Lane, Elizabeth, N J
National Annealing Box Co, Washington, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Pressed Steel Tank Co, 1499 S 66 St, Milwaukee 14, Wis
M H Treadwell Co, 140 Cedar St, N Y 6
Union Iron Works, 15 & Cascade Sts, Erie, Pa
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

DAMPENERS, VIBRATION

Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Eberbach Corp, 200 E Liberty St, Ann Arbor, Mich
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Grinnell Co, 260 W Exchange St, Providence 1, R I
Raybestos-Manhattan, 61 Willet St, Passaic, N J
U S Rubber Co, 1230 6 Ave, N Y 20

DEAERATORS

Acme Coppersmithing & Mach Co, Oreland, Pa
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis

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Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Brosites Mach Co, 50 Church St, N Y 7
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio

DECHLORINATORS, WATER

Electrochem Construction Co, 18 E 41 St, N Y 17
Filtrine Mfg Co, 52 Lexington Ave, Bklyn 5, N Y
Graver Water Conditioning Co, 216 W 14 St, N Y 11
Illinois Water Treatment Co, 858 Cedar St, Rockford, Ill
Wallace & Tiernan, 1 Main St, Belleville, N J

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Acme Coppersmithing & Mach Co, Oreland, Pa
Bowser Inc, 1307 E Creighton Ave, Fort Wayne, Ind
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Cochrane Corp, 3154 N 17 St, Phila 32, Pa
Cornell Mach Co, 99 Wall St, N Y
Distillation Products Industries, Rochester 3, N Y
Electrochem Construction Co, 18 E 41 St, N Y 17
Elgin Softener Corp, Elgin, Ill
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
Illinois Water Treatment Co, 858 Cedar St, Rockford, Ill
Permutit Co, 330 W 42 St, N Y 18

DEGREASERS

Detrex Corporation, Box 501, Detroit 32, Mich

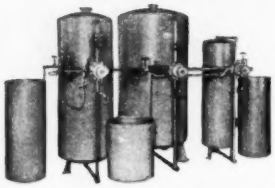
DEHUMIDIFIERS

Abbeon Supply Co, 179-15 Jamaica Ave, Jamaica 3, N Y
Acme Coppersmithing & Mach Co, Oreland, Pa
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Bowser Inc, 1307 E Creighton Ave, Fort Wayne, Ind
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Cornell Mach Co, 99 Wall St, N Y
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Hammond Drierite Co, 120 Dayton Ave, Xenia, Ohio
Industrol Corp, 472 Westfield Ave E, Roselle Park, N J
McQuay Inc, 1600 Broadway N E, Minneapolis 13, Minn
Pittsburgh Lectrodryer Corp, Box 1766, Pittsburgh 30, Pa
B Rauschkolb & Co, 225 W 34 St, N Y 1
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Tenney Engrg, 26 Ave B, Newark 5, N J
Trane Co, 300 Cameron Ave, La Crosse, Wis

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Acme Coppersmithing & Mach Co, Oreland, Pa
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Bowser Inc, 1307 E Creighton Ave, Fort Wayne, Ind
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Elec Furnace Co, Salem, Ohio
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gasoline Plant Construction Corp, Neils Esperson Bldg, Houston 2, Tex
Gen American Trans Corp, Louisville Drying Mach unit, 139 S 4 St, Louisville 2, Ky
Hammond Drierite Co, 120 Dayton Ave, Xenia, Ohio
Kerotest Mfg Co, 2525 Liberty Ave, Pittsburgh 22, Pa
J F Pritchard & Co, 908 Grand Ave, Kansas City 6, Mo
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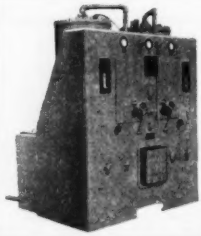


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York Corp, Roosevelt & P R R, York, Pa

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Barnstead Still & Sterilizing Co, 2 Langsville Terr, Boston, Mass
Cochrane Corp, 3154 N 17 St, Phila 32, Pa
Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
Dorr Co, Barry Pl, Stamford, Conn
Elgin Softener Corp, Elgin, Ill
Enthone Inc, 442 Elm St, New Haven, Conn
Graver Water Conditioning Co, 216 W 14 St, N Y 11
Hanson-Van Winkle-Munning Co, Matawan, N J
Illinois Water Treatment Co, 858 Cedar St, Rockford, Ill
Industrial Filter & Pump Mfg Co, 5900 Ogden Ave, Chicago 50, Ill
J C Miller Co, 631 Chester St S W, Grand Rapids, Mich
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Permutit Co, 330 W 42 St, N Y 18
Will Corp, Rochester 3, N Y

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Aetna Scientific Co, 2 & Spring Sts, Everett 49, Mass
Barnstead Still & Sterilizing Co, 2 Langsville Terr, Boston, Mass
Cochrane Corp, 3154 N 17 St, Phila 32, Pa
Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
Dorr Co, Barry Pl, Stamford, Conn
Elgin Softener Corp, Elgin, Ill
Filtrine Mfg Co, 52 Lexington Ave, Bklyn 5, N Y
Graver Water Conditioning Co, 216 W 14 St, N Y 11
Illinois Water Treatment Co, 858 Cedar St, Rockford, Ill
Industrial Filter & Pump Mfg Co, 5900 Ogden Ave, Chicago 50, Ill
Infilco Inc, Box 5033, Tucson, Ariz
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Permutit Co, 330 W 42 St, N Y 18
Will Corp, Rochester 3, N Y

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Acme Coppersmithing & Mach Co, Oreland, Pa
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Foster-Wheeler Corp, 165 Broadway, N Y 6
Girdler Corp, 224 E Broadway, Louisville, Ky
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Westinghouse Electric Corp, Bloomfield, N J
Wurster & Sanger, 5201 S Kenwood Ave, Chicago 15, Ill

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Falls Industries, Aurora Rd, Solon, Ohio
Gasoline Plant Construction Corp, Neils Esperson Bldg, Houston 2, Tex
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Lummus Co, 385 Madison Ave, N Y 17
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Schutte Koerting Co, Cornwells Heights, Bucks Co, Pa
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Whitlock Mfg Co, 74 South St, Hartford 10, Conn

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Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Lab Furniture Co, P O Box 590, Mineola, N Y
Metalab Equipment Corp, 270 Duffy Ave, Hicksville, L I, N Y

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Industrial Instrument, 17 Pollack Ave, Jersey City 5, N J
Linde Air Products Co, 30 E 42 St, N Y 17
Mine Safety Appliance Co, Braddock Ave, Pittsburgh 8, Pa
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Phoenix Precision Instruments, 3803 N B St, Phila 40, Pa

DETECTORS, LEAK

Beta Elec Corp, 333 E 103 St, N Y 29
Consolidated Engr Corp, 300 N Sierra Madre Villa, Pasadena 8, Cal
Davis Emergency Equipment Co, 43 Halleck St, Newark 4, N J
Distillation Products Industries, Rochester 3, N Y
Gen Elec Co, Schenectady 5, N Y
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Radio Corp of America, Camden, N J
York Corp, Roosevelt & P R R, York, Pa

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Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
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Radio Corp of America, Camden, N J

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Walter Kidde & Co, 675 Main St, Belleville 9, N J
Mine Safety Appliance Co, Braddock Ave, Pittsburgh 8, Pa
Phoenix Precision Instruments, 3803 N B St, Phila 40, Pa
Photoswitch Inc, 77 Broadway, Cambridge 42, Mass
Photovolt Corp, 95 Madison Ave, N Y

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Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
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Dorr Co, Barry Pl, Stamford, Conn
Eimco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Filtration Engrs, 155 Oraton St, Newark 4, N J
139 S 4 St, Louisville 2, Ky
Gen American Trans Corp, 135 S La Salle St, Chicago 90, Ill
Gen American Trans Corp, Louisville Drying Mach Unit, 134 S 4 St, Louisville 2, Ky
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Cornell Mach Co, 99 Wall St, N Y
Corning Glass Works, Corning, N Y
Fumeral Co, P O Box 239, Racine, Wis
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Norton Co, 1 New Bond St, Worcester 6, Mass
Schutte Koerting Co, Cornwells Heights, Bucks Co, Pa
Walker Process Equipment Co, 518 Hauks St, Aurora, Ill

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American Car & Foundry Co, 30 Church St, N Y 7
Babcock & Wilcox, 85 Liberty St, N Y 6
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Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gen American Transportation Corp, Field Bldg, Chicago 90, Ill
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Lukens Steel Co, 1949 Gillen St, Coatesville, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Struthers Wells Corp, S Franklin St, Titusville, Pa
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

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Chicago Pump Co, 2336 Wolfram St, Chicago 18, Ill
Dorr Co, Barry Pl, Stamford, Conn
Hardinge Co, 240 Arch St, York, Pa
Infilco Inc, Box 5033, Tucson, Ariz
Walker Process Equipment Co, 518 Hauks St, Aurora, Ill
Yeomans Bros Co, 1434 N Dayton St, Chicago 22, Ill

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Enthone Inc, 442 Elm St, New Haven, Conn
Luzerne Rubber Co, Trenton 7, N J
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Stokes Molded Products, Trenton 4, N J

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Metal Products Corp, 50 W 19 St, Weehawken, N J
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Enthone Inc, 442 Elm St, New Haven, Conn
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Raybestos-Manhattan, Manheim, Pa

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Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio

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Cornell Mach Co, 99 Wall St, N Y
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J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Industrial Engrs, 8 Lister Ave, Newark 5, N J
J M Lehman Co, 550 N Y Ave, Lyndhurst, N J
H W North Co, E 13 & Parade Sts, Erie, Pa
Premier Mills Corp, 218 Genesee St, Geneva, N Y
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y

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J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Industrial Engrs, 8 Lister Ave, Newark 5, N J
International Salt Co, Scranton Life Bldg, Scranton 2, Pa
New England Tank & Tower Co, Everett, Mass
H W North Co, E 13 & Parade Sts, Erie, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal

DISTILLATION EQUIPMENT

Acme Coppersmithing & Mach Co, Oreland, Pa
American Copper & Brass Works, 610 E Front St, Cincinnati 2, Ohio
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
Cleaver-Brooks Co, 326 E Keefe Ave, Milwaukee 12, Wis
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Cornell Mach Co, 99 Wall St, N Y
Corning Glass Works, Corning, N Y
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Distillation Products Industries, Rochester 3, N Y
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gasoline Plant Construction Corp, Neils Esperson Bldg, Houston 2, Tex
Glascote Products, 20900 St Clair Ave, Cleveland 17, Ohio
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Emil Greiner Co, 20-26 N Moore St, N Y 13
Griscom-Russell Co, Massillon, Ohio
Illinois Water Treatment Co, 858 Cedar St, Rockford, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Lummus Co, 385 Madison Ave, N Y 17



Hackney

2-PIECE ACID DRUMS

Hackney Acid Drums are deep drawn . . . pressed from two sheets of steel. That means no longitudinal or chime seams . . . just one circumferential weld located between and protected by two I-bar rolling hoops. That's why the interiors are smooth, free of cracks and crevices. Heavy forged spuds, attached by a two-pass weld, minimize bung failures. Reinforced chime protectors add strength and life. Heat treating increases finished drum's resistance to corrosion.

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DISTILLATION EQUIPMENT, continued

H S Martin & Co, 1916 Greenleaf Ave, Evanston, Ill
Metalab Equipment Corp, 270 Duffy Ave, Hicksville, L I, N Y
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Perry Equipment Corp, 1515 W Thompson St, Phila 21, Pa
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Read Standard Corp, Gaskell Ave, Erie, Pa
Scientific Glass Apparatus Co, Bloomfield, N J
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
U S Hoffman Mach Co, 219 Lamson St, Syracuse 6, N Y
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio

DOORS, ROLLING (WOOD OR STEEL)

Kinnear Mfg Co, 200-250 Fields Ave, Columbus, Ohio
R C Mahon Co, 6565 E 8 Mile Rd, Detroit, Mich
York Corp, Roosevelt & P R R, York, Pa

DRILLS

Foote Bros Gear & Mach Co, 4545 S Western Blvd, Chicago 9, Ill
Syntron Co, 421 Lexington Ave, Homer City, Pa
U S Steel Supply Co, 208 S LaSalle St, Chicago 4, Ill

DRIVES

Morse Chain Co, 7601 Central St, Detroit 8, Mich

DRIVES, AGITATOR

Allied Steel & Equipment Co, Dept N, Chester, N J
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Cleveland Worm & Gear Co, 3288 80 St, Cleveland 4, Ohio
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Diamond Chain Co, Indianapolis 7, Ind
Edgemoor Iron Works, Edgemoor, Del
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Falk Corp, 3100 W Canal St, Milwaukee 8, Wis
Gen American Transport Corp 135 S LaSalle St, Chicago 90, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio
Lima Elec Co, Findlay Rd, Lima, Ohio
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
New England Tank & Tower Co, Everett, Mass
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
George G Rodgers Co, 2401 3 Ave, N Y 51
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Western Gear Works, 417 9 Ave S, Seattle 4, Wash

DRIVES, CHAIN

G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Diamond Chain Co, Indianapolis 7, Ind
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Morse Chain Co, 7601 Central St, Detroit 8, Mich
Union Chain & Mfg Co, 1936 Emmens St, Sandusky, Ohio

DRIVES, FLAT BELT

American Pulley Co, 4200 Wissahickon Ave, Phila 29, Pa
Graton & Knight Co, 356 Franklin St, Worcester 4, Mass
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
J E Rhoads & Sons, 35 N 6 St, Phila 6, Pa
Stephens-Adamson Mfg Co, 2227 E 37 St, Los Angeles 11, Cal
U S Rubber Co, L H Gilmer Div, Tacony, Phila 35, Pa
Jervis B Webb Co, 8951 Alpine Ave, Detroit, Mich

DRIVES, GEAR

American Pulley Co, 4200 Wissahickon Ave, Phila 29, Pa
Cleveland Worm & Gear Co, 3288 80 St, Cleveland 4, Ohio
Edgemoor Iron Works, Edgemoor, Del
Falk Corp, 3001 W Canal St, Milwaukee 8, Wis
Foote Bros Gear & Mach Co, 4545 S Western Blvd, Chicago 9, Ill
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Lima Elec Co, Findlay Rd, Lima, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
New England Tank & Tower Co, Everett, Mass
Reliance Elec & Engrg Co, 1088 Ivanhoe Rd, Cleveland 10, Ohio
Western Gear Works, 417 9 Ave S, Seattle 4, Wash
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa

DRIVES, V-BELT

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
American Pulley Co, 4200 Wissahickon Ave, Phila 29, Pa
Dayton Rubber Mfg Co, 2342 W Riverview Ave, Dayton 1, Ohio
Edgemoor Iron Works, Edgemoor, Del
Gates Rubber Co, 999 S Broadway, Denver 17, Col
Great Western Mfg Co, Leavenworth, Kan
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
New England Tank & Tower Co, Everett, Mass
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal
U S Steel Supply Co, 208 S LaSalle St, Chicago 4, Ill

DRIVES, VARIABLE SPEED

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Louis Allis Co, 427 E Stewart St, Milwaukee 7, Wis
American Blower Corp, 8111 Tireman St, Detroit 32, Mich
Amercan Pulley Co, 4200 Wissahickon Ave, Phila 29, Pa
Dayton Rubber Mfg Co, 2342 W Riverview Ave, Dayton 1, Ohio
Edgemoor Iron Works, Edgemoor, Del
Elec Machy Mfg Co, 1331 N E Tyler St, Minneapolis 13, Minn
Gen Elec Co, Schenectady 5, N Y
Lima Elec Co, Findlay Rd, Lima, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Morse Chain Co, 7601 Central St, Detroit 8, Mich
Reliance Elec & Engrg Co, 1088 Ivanhoe Rd, Cleveland 10, Ohio
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal
Western Gear Works, 417 9 Ave S, Seattle 4, Wash
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa

DRUM LINERS, POLYETHYLENE

Pelamay Products, 629 2 Ave, N Y 16

DRUMS, AGITATING

Acme Coppersmithing & Mach Co, Oreland, Pa
Allied Steel & Equipment Co, Dept N, Chester, N J
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa

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FOR DRY BULK PRODUCTS

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Stapak drums are ideal low cost containers for many dry products. Made with convenient full open top for rapid filling and easy dispensing. Stapak drums are sturdy in construction and comply fully with requirements of Consolidated Freight Classification regulations. Also comply with all pure food laws and are ideal for food products and chemicals. Sizes range from 2 to 35 gals. Acceptable weights to 200 lbs.

FIBERPAK



Fiberpak drums have the same sturdy construction as Stapak but are designed for heavy duty service. Bursting tests range from 950 to 1850 and more pounds per square inch. Also comply with Interstate Commerce Commission regulations covering class "B" (ICC-21A) poisons, and other dangerous commodities. Sizes range from ¾ to 67 gals. Acceptable weights to 400 lbs.

LEVERPAK



Leverpak drums have the advantages of Stapak and Fiberpak. Outstanding characteristics are their light tare weight, freedom from contamination, sift proof seal, pilfer proof locking band closure. Interior and exterior treatments or linings can be made to meet your special requirements. They also comply with I. C. C. regulations for class "B" poisons.

Sizes range—12 to 75 gals. Acceptable weights to 400 lbs. All carriers assume the same responsibility for merchandise packed and shipped in Stapak, Fiberpak and Leverpak as in wood or steel of like capacity.

Write for information covering these shipping drums.

CONTINENTAL CAN COMPANY, INC.

FIBRE DRUM DIVISION

995 S. GLENN STREET VAN WERT, OHIO

DRUMS, AGITATING, continued

Edgemoor Iron Works, Edgemoor, Del
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Hauser Stander Tank Co, 4838 Spring Grove Ave, Cincinnati 32, Ohio
International Engrg, Dayton 1, Ohio
New England Tank & Tower Co, Everett, Mass
H W North Co, E 13 & Parade Sts, Erie, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
U S Steel Products Co, 30 Rockefeller Plaza, N Y 20

DRUMS, AGITATOR

Acme Coppersmithing & Mach Co, Oreland, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Edgemoor Iron Works, Edgemoor, Del
Hodgson Engrg & Mfg Co, 1507 E 7 St, Tulsa 10, Okla
Inland Steel Container Co, P O Box 902, Milwaukee 1, Wis
International Engrg, Dayton 1, Ohio
New England Tank & Tower Co, Everett, Mass
Niles Steel Products Div, 465 Walnut St, Niles, Ohio
Ohio Corrugating Co, Warren, Ohio
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Pressed Steel Tank Co, 1499 S 66 St, Milwaukee 14, Wis
Rheem Mfg Co, 570 Lexington Ave, N Y 22
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y

DRUMS, ALLOY

Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Gen Alloys Co, 405 W 1 St, Boston, Mass
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Kaiser Aluminum & Chem Sales, Kaiser Bldg, Oakland 12, Cal
Metal Products Corp, 50 W 19 St, Weehawken, N J
Niles Steel Products Div, 465 Walnut St, Niles, Ohio
U S Steel Products Co, 30 Rockefeller Plaza, N Y 20

DRUMS, FIBRE

Carpenter Container Corp, P O Box 398, Lindenhurst, N Y
Continental Can Co, 975 Glenn St, Van Wert, Ohio
Emery-Carpenter Container Co, Carew Tower, Cincinnati 2, Ohio
Fibre Drum Co, 20 N Wacker St, Chicago 6, Ill
Fibreboard Products, 1789 Montgomery St, San Francisco 6, Cal
Gaylord Container Corp, 111 N 4 St, St Louis, Mo
Grief Bros Cooperage Corp, 175 E Hoffman Ave, Lindenhurst, N Y
U S Steel Products Co, 30 Rockefeller Plaza, N Y 20
Virginia Barrel Co, Box 86, Mariners Harbor Sta, Staten Island, N Y

DRUMS, LEAD LINED

Belke Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Emery-Carpenter Container Co, Carew Tower, Cincinnati 2, Ohio
Hauser Stander Tank Co, 4838 Spring Grove Ave, Cincinnati 32, Ohio
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
Lead Lined Iron Pipe Co, Wakefield, Mass
Pressed Steel Tank Co, 1499 S 66 St, Milwaukee 14, Wis
U S Stoneware Co, 60 E 42 St, N Y

DRUMS, MAGNETIC

Eriez Mfg Co, 629 Commerce Bldg, Erie, Pa
Homer Mfg Corp, 142 Pearl St, Lima, Ohio
Stearns Magnetic Mfg Co, 672 S 28 St, Milwaukee 46, Wis

DRUMS, NICKEL

Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Metal Products Corp, 50 W 19 St, Weehawken, N J
Niles Steel Products Div, 465 Walnut St, Niles, Ohio
Pressed Steel Tank Co, 1499 S 66 St, Milwaukee 14, Wis
Rheem Mfg Co, 570 Lexington Ave, N Y 22
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
U S Steel Products Co, 30 Rockefeller Plaza, N Y 20

DRUMS, PROCESSING

Acme Coppersmithing & Mach Co, Oreland, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Hauser Stander Tank Co, 4838 Spring Grove Ave, Cincinnati 32, Ohio
Kaiser Aluminum & Chem Sales, Kaiser Bldg, Oakland 12, Cal
Metal Products Corp, 50 W 19 St, Weehawken, N J
H W North Co, E 13 & Parade Sts, Erie, Pa

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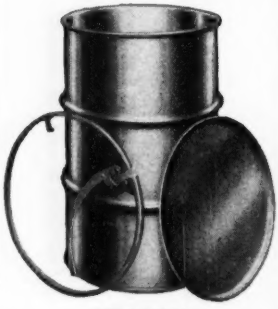


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DRUMS, REMOVABLE HEAD

Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Carpenter Container Corp, P O Box 398, Lindenhurst, N Y
Emery-Carpenter Container Co, Carew Tower, Cincinnati 2, Ohio
Grief Bros Cooperage Corp, 175 E Hoffman Ave, Lindenhurst, N Y
Inland Steel Container Co, P O Box 902, Milwaukee 1, Wis
Niles Steel Products Div, 465 Walnut St, Niles, Ohio
Ohio Corrugating Co, Warren, Ohio
Pressed Steel Tank Co, 1499 S 66 St, Milwaukee 14, Wis
Rheem Mfg Co, 570 Lexington Ave, N Y 22
Southline Metal Products Co, 2115 Sabine St, Houston, Tex
F C Thornton Co, 6712 Union Ave, Cleveland 5, Ohio
U S Steel Products Co, 30 Rockefeller Plaza, N Y 20
Virginia Barrel Co, Box 86, Mariners Harbor Sta, Staten Island, N Y

DRUMS, RUBBER

American Hard Rubber Co, 11 Mercer St, N Y 13
Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
C P Hall Co, Akron, Ohio
U S Rubber Co, 1230 6 Ave, N Y 20
U S Stoneware Co, 60 E 42 St, N Y

DRUMS, RUBBER LINED

American Hard Rubber Co, 11 Mercer St, N Y 13
Atlas Mineral Products Co, Mertztown, Pa
Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
Belke Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Carpenter Container Corp, P O Box 398, Lindenhurst, N Y
Emery-Carpenter Container Co, Carew Tower, Cincinnati 2, Ohio
Enthone Inc, 442 Elm St, New Haven, Conn
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Munning & Munning, 202 Emmett St, Newark, N J
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Pressed Steel Tank Co, 1499 S 66 St, Milwaukee 14, Wis
Raybestos-Manhattan, 61 Willet St, Passaic, N J
U S Rubber Co, 1230 6 Ave, N Y 20
U S Stoneware Co, 60 E 42 St, N Y

DRUMS, STEEL

Babcock & Wilcox, 85 Liberty St, N Y 6
Bethlehem Steel Co, Bethlehem, Pa
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
Crown Can Co, H St & Erie Ave, Phila, Pa
Geuder Paeschke & Frey Co, 303 N 15 St, Milwaukee 3, Wis
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Inland Steel Container Co, P O Box 902, Milwaukee 1, Wis
Metal Products Corp, 50 W 19 St, Weehawken, N J
Niles Steel Products Div, 465 Walnut St, Niles, Ohio
Ohio Corrugating Co, Warren, Ohio
Pressed Steel Tank Co, 1499 S 66 St, Milwaukee 14, Wis
Republic Steel Corp, Republic Bldg, Cleveland, Ohio
Rheem Mfg Co, 570 Lexington Ave, N Y 22

DRUMS, STEEL, continued

Southline Metal Products Co, 2115 Sabine St, Houston, Tex
F C Thornton Co, 6712 Union Ave, Cleveland 5, Ohio
U S Steel Products Co, 30 Rockefeller Plaza, N Y 20
Virginia Barrel Co, Box 86, Mariners Harbor Sta, Staten Island, N Y
Wheeling Steel Corp, Wheeling, W Va

DRUMS, STEEL, STAINLESS

Alloy Products Co, 1045 Perkins Ave, Waukesha, Wis
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Duraloy Co, Scottdale, Pa
Gen Alloys Co, 405 W 1 St, Boston, Mass
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Heintz Mfg Co, Front St & Olney Ave, Phila 20, Pa
Metal Products Corp, 50 W 19 St, Weehawken, N J
Niles Steel Products Div, 465 Walnut St, Niles, Ohio
Pressed Steel Tank Co, 1499 S 66 St, Milwaukee 14, Wis
Republic Steel Corp, Republic Bldg, Cleveland 1, Ohio
Rheem Mfg Co, 570 Lexington Ave, N Y 22
U S Steel Products Co, 30 Rockefeller Plaza, N Y 20

DRUMS, VACUUM

Acme Coppersmithing & Mach Co, Oreland, Pa
American Car & Foundry Co, 30 Church St, N Y 7
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Oliver United Filters, 33 W 42 St, N Y 18
Standard Steel Corp, 5001 Boyle Ave, Los Angeles 58, Cal
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa

DRYERS, ATMOSPHERIC

Acme Coppersmithing & Mach Co, Oreland, Pa
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
J E Doyle Co, 1220 W 6 St, Cleveland 13, Ohio
Industrol Corp, 472 Westfield Ave E, Roselle Park, N J
H Rauschkolb & Co, 225 W 34 St, N Y 1
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Tenney Engrg, 26 Ave B, Newark 5, N J
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio

DRYERS, BELT

Belke Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
J E Doyle Co, 1220 W 6 St, Cleveland 13, Ohio
Procter & Schwartz, 7 & Tabor Rd, Phila 20, Pa
W S Rockwell Co, 270 Eliot St, Fairfield, Conn

DRYERS, CENTRIFUGAL

Acme Coppersmithing & Mach Co, Oreland, Pa
American Mach & Metals, E Moline, Ill
Belke Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
Bird Mach Co, S Walpole, Mass
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Enthone Inc, 442 Elm St, New Haven, Conn
Fletcher Works, Glenwood Ave & 2 St, Phila 40, Pa
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich



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G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Despatch Oven Co, 619 S E 8 St, Minneapolis 15, Minn
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
Procter & Schwartz, 7 & Tabor Rd, Phila 20, Pa
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Steiner-Ives Co, 8-16 Ave L, Newark 5, N J
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa

DRYERS, CONCENTRATE

Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Denver Equipment Co, 1400 17 St, Denver 17, Col
Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
Oliver United Filters, 33 W 42 St, N Y 18

DRYERS, CONTINUOUS

Acme Coppersmithing & Mach Co, Oreland, Pa
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Bird Mach Co, S Walpole, Mass
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Denver Equipment Co, 1400 17 St, Denver 17, Col
Despatch Oven Co, 619 S E 8 St, Minneapolis 15, Minn
J E Doyle Co, 1220 W 6 St, Cleveland 13, Ohio
Elmco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Fostoria Pressed Steel Corp, Fostoria, Ohio
Gen American Transportation Corp, Field Bldg, Chicago 90, Ill
International Selling Corp, 70 Pine St, N Y
Link-Belt Co, 3405 & Ave S, Seattle 4, Wash
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Oliver United Filters, 33 W 42 St, N Y 18
J F Pritchard & Co, 908 Grand Ave, Kansas City 6, Mo
Procter & Schwartz, 7 & Tabor Rd, Phila 20, Pa
B Rauschkolb & Co, 225 W 34 St, N Y 1
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Standard Steel Corp, 5001 Boyle Ave, Los Angeles 58, Cal
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Surface Combustion Corp, 2375 Dorr St, Toledo, Ohio
Vulcan Cooper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Wyssmont Co, 31-08 N Blvd, L I C 1, N Y

DRYERS, CONVEYOR

J E Doyle Co, 1220 W 6 St, Cleveland 13, Ohio
Girdler Corp, 224 E Broadway, Louisville, Ky
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Procter & Schwartz, 7 & Tabor Rd, Phila 20, Pa
J O Ross Engrg Corp, 444 Madison Ave, N Y 22
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa

DRYERS, DIRECT

Acme Coppersmithing & Mach Co, Oreland, Pa
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Bigelow-Liptak Corp, 2842 W Grand Blvd, Detroit 2, Mich
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11 N Y
Denver Equipment Co, 1400 17 St, Denver 17, Col
J E Doyle Co, 1220 W 6 St, Cleveland 13, Ohio
Gen American Transportation Corp, Field Bldg, Chicago 90, Ill
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Standard Steel Corp, 5001 Boyle Ave, Los Angeles 58, Cal
Vulcan Iron Works, 1730 Main St, Wilkes-Barre, Pa

DRYERS, DRUM (ROTARY, VACUUM)

Acme Coppersmithing & Mach Co, Oreland, Pa
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Barber-Greene Co, 631 W Park St, Aurora, Ill
Bird Mach Co, S Walpole, Mass
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Despatch Oven Co, 619 S E 8 St, Minneapolis 15, Minn
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Elmco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Gen American Transportation Corp, Field Bldg, Chicago 90, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Lukens Steel Co, 1949 Gillen St, Coatesville, Pa
Oliver United Filters, 33 W 42 St, N Y 18
Standard Steel Corp, 5001 Boyle Ave, Los Angeles 58, Cal
Stearns-Rogers Mfg Co, 1720 California St, Denver 2, Col
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Struthers Wells Corp, S Franklin St, Titusville, Pa
Whiting Corp, Swenson Evaporator Div, Harvey, Ill

DRYERS, ELECTRIC

Brosites Mach Co, 50 Church St, N Y 7
Despatch Oven Co, 619 S E 8 St, Minneapolis 15, Minn
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
J E Doyle Co, 1220 W 6 St, Cleveland 13, Ohio
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Fostoria Pressed Steel Corp, Fostoria, Ohio
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
K H Huppert Co, 6830 Cottage Grove Ave, Chicago, Ill
Procter & Schwartz, 7 & Tabor Rd, Phila 20, Pa
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Steiner-Ives Co, 8-16 Ave L, Newark 5, N J
Trent Inc, 4585 Wilde St, Phila 27, Pa
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa

DRYERS, ELECTRIC VIBRATING

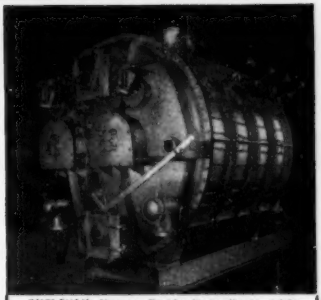
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
F C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Syntron Co, 421 Lexington Ave, Homer City, Pa
Trent Inc, 4585 Wilde St, Phila 27, Pa

DRYERS, FREEZE

Bowser Inc, Terryville, Conn
Distillation Products Industries, Rochester 3, N Y
Procter & Schwartz, 7 & Tabor Rd, Phila 20, Pa
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Tenney Engrg, 26 Ave B, Newark 5, N J

DRYERS, GAS

Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Despatch Oven Co, 619 S E 8 St, Minneapolis 15, Minn
C M Kemp Mfg Co, 405 E Oliver St, Baltimore 2, Md
Kerotest Mfg Co, 2525 Liberty Ave, Pittsburgh 22, Pa
Knch Engrg Co, 335 W Lewis St, Wichita 2, Kan
Mid-Continent Metal Products Co, 1960 N Clybourn Ave, Chicago 14, Ill
Pittsburgh Lectrodryer Corp, Box 1766, Pittsburgh 30, Pa
J F Pritchard & Co, 908 Grand Ave, Kansas City 6, Mo
B Rauschkolb & Co, 225 W 34 St, N Y 1
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Standard Steel Corp, 5001 Boyle Ave, Los Angeles 58, Cal
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio



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Carey duct

The all-asbestos prefabricated duct. Combines duct and insulation in rigid, fireproof units for conveying conditioned air quietly *and* efficiently. Also K, D, F, Single-wall and Fume-duct types.

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DRYERS, REVOLVING STEAM TUBE AND LIFTER TUBE

Acme Coppersmithing & Mach Co, Oreland, Pa
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Gen American Trans Corp, Louisville Drying Mach Unit, 139 S 4 St, Louisville 2, Ky
Hardinge Co, 240 Arch St, York, Pa
Standard Steel Corp, 5001 Boyle Ave, Los Angeles 58, Cal
Struthers Wells Corp, S Franklin St, Titusville, Pa

DRYERS, ROTARY

Acme Coppersmithing & Mach Co, Oreland, Pa
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Bonnot Co, Canton 2, Ohio
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
Denver Equipment Co, 1400 17 St, Denver 17, Col
Despatch Oven Co, 619 S E 8 St, Minneapolis 15, Minn
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Eimco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Gen American Transportation Corp, Field Bldg, Chicago 90, Ill
Hardinge Co, 240 Arch St, York, Pa
Link-Belt Co, 3405 E Ave S, Seattle 4, Wash
Nordberg Mfg Co, Milwaukee 7, Wis
Oliver United Filters, 33 W 42 St, N Y 18
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Standard Steel Corp, 5001 Boyle Ave, Los Angeles 58, Cal
Struthers Wells Corp, S Franklin St, Titusville, Pa
Traylor Engrg & Mfg Co, Allentown, Pa
Vulcan Iron Works, 1730 Main St, Wilkes-Barre, Pa
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex
Wyssmont Co, 31-08 Northern Blvd, L I C 1, N Y

DRYERS, ROTARY KILN

Acme Coppersmithing & Mach Co, Oreland, Pa
American Car & Foundry Co, 30 Church St, N Y
Bonnot Co, Canton 2, Ohio
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Denver Equipment Co, 1400 17 St, Denver 17, Col
Gen American Trans Corp, Louisville Drying Mach Unit, 139 S 4 St, Louisville 2, Ky
Hardinge Co, 240 Arch St, York, Pa
McNally-Pittsburgh Mfg Co, Pittsburgh, Kan
Nordberg Mfg Co, Milwaukee 7, Wis
Standard Steel Corp, 5001 Boyle Ave, Los Angeles 58, Cal
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Struthers Wells Corp, S Franklin St, Titusville, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Traylor Engrg & Mfg Co, Allentown, Pa
Vulcan Iron Works, 1730 Main St, Wilkes-Barre, Pa
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

DRYERS, SHELF, VACUUM

Acme Coppersmithing & Mach Co, Oreland, Pa
Bowser Inc, Terryville, Conn
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Distillation Products Industries, Rochester 3, N Y
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
National Research Corp, 70 Memorial Dr, Cambridge 42, Mass
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa

DRYERS, SPRAY AND DISPERSION PROCESS

Acme Coppersmithing & Mach Co, Oreland, Pa
Bowen Engrg, North Branch, N J
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, III
Komline-Sanderson Engrg Corp, Peapack, N J
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
Standard Steel Corp, 5001 Boyle Ave, Los Angeles 58, Cal
Western Precipitation Corp, 1030 W 9 St, Los Angeles 15, Cal
Whiting Corp, Swenson Evaporator Div, Harvey, Ill
Wurster & Sanger, 5201 S Kenwood Ave, Chicago 15, Ill

DRYERS, STEAM JACKETED

Acme Coppersmithing & Mach Co, Oreland, Pa
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Gen American Transportation Corp, Field Bldg, Chicago 90, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Lukens Steel Co, 1949 Gillen St, Coatesville, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal
Standard Steel Corp, 5001 Boyle Ave, Los Angeles 58, Cal
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Unistel Textile Mach Corp, 42 Main St, Portchester, N Y
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio

DRYERS, TEXTILE

J E Doyle Co, 1220 W 6 St, Cleveland 13, Ohio
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
Lukens Steel Co, 1949 Gillen St, Coatesville, Pa
Procter & Schwartz, 7 & Tabor Rd, Phila 20, Pa
Standard Steel Corp, 5001 Boyle Ave, Los Angeles 58, Cal
Unistel Textile Mach Corp, 42 Main St, Portchester, N Y
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa

DRYERS, TRAY

Acme Coppersmithing & Mach Co, Oreland, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Despatch Oven Co, 619 S E 8 St, Minneapolis 15, Minn
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Glasco Equipment Corp, 6 Walt St, Paterson 4, N J
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
Procter & Schwartz, 7 & Tabor Rd, Phila 20, Pa
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa
Wyssmont Co, 31-08 Northern Blvd, L I C 1, N Y

DRYERS, TUNNEL

Despatch Oven Co, 619 S E 8 St, Minneapolis 15, Minn
J E Doyle Co, 1220 W 6 St, Cleveland 13, Ohio
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
Procter & Schwartz, 7 & Tabor Rd, Phila 20, Pa
Tenney Engrg, 26 Ave B, Newark 5, N J
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa

DRYERS, VACUUM

Acme Coppersmithing & Mach Co, Oreland, Pa
Bird Mach Co, 5 Walpole, Mass
Bowser Inc, Terryville, Conn
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
J P Divine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Distillation Products Industries, Rochester 3, N Y
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Industrial Engrs, 8 Lister Ave, Newark 5, N J
H W North Co, E 13 & Parade Sts, Erie, Pa
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Procter & Schwartz, 7 & Tabor Rd, Phila 20, Pa
Standard Steel Corp, 5001 Boyle Ave, Los Angeles 58, Cal
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Struthers Wells Corp, S Franklin St, Titusville, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Tenney Engrg, 26 Ave B, Newark 5, N J
Whittington Pump & Engrg Corp, 1126 Prospect St, Indianapolis 3, Ind

DRYERS, VACUUM PAN

Acme Coppersmithing & Mach Co, Oreland, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa

DRYERS, VIBRATING CONVEYOR

E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Syntron Co, 421 Lexington Ave, Homer City, Pa

DRYING SYSTEMS, FLASH

Bigelow-Liptak Corp, 2842 W Grand Blvd, Detroit 2, Mich
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Combustion Engrg-Superheater, 200 Madison Ave, N Y 16
Combustion Engrg-Superheater, Raymond Pulverizer Div, 1308 N Branch St, Chicago 22, Ill
J E Doyle Co, 1220 W 6 St, Cleveland 13, Ohio
McNally-Pittsburg Mfg Co, Pittsburg, Kan
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
Standard Steel Corp, 5001 Boyle Ave, Los Angeles 58, Cal
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa

DUCTS

American Brass Co, 698 S Main St, Waterbury 20, Conn
Atlas Mineral Products Co, Mertztown, Pa
Bigelow-Liptak Corp, 2842 W Grand Blvd, Detroit 2, Mich
Falstrom Co, 9 Falstrom Court, Passaic, N J
Green Fuel Economizer Co, Beacon, N Y
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
Marine Fabricators Co, 1010 State St, Perth Amboy, N J
Metal Products Corp, 50 W 19 St, Weehawken, N J
Metalab Equipment Corp, 270 Duffy Ave, Hicksville, L I, N Y
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
M H Treadwell Co, 140 Cedar St, N Y 6
U S Rubber Co, 1230 6 Ave, N Y 20
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

DUMPERS, CAR

Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
Frank G Hough Co, Libertyville, Ill
Link-Belt Co, 3405 E Ave S, Seattle 3, Wash
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J
Wellman Engrg Co, 7000 Central Ave, Cleveland, Ohio

DUST COLLECTORS

Aerodyne Development Corp, 870 Addison Rd, Cleveland 3, Ohio
Airborne Conveyors Corp, 99 Hudson St, N Y 13
American Blower Corp, 8111 Tireman St, Detroit 32, Mich
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Bowen Engrg, North Branch, N J
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
Buell Engrg Co, 70 Pine St, N Y 5
Chem Construction Corp, 488 Madison Ave, N Y 20
Day Co, 810 3 Ave N E, Minneapolis 13, Minn
Dracco Corp, 4063 E 116 St, Cleveland 5, Ohio
Falstrom Co, 9 Falstrom Court, Passaic, N J
Great Western Mfg Co, Leavenworth, Kan
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio

DUST COLLECTORS, continued

Mercer-Robinson Co, 30 Church St, N Y 7
Northern Blower Co, 6418 Barberton Ave, Cleveland 2, Ohio
Pangborn Corp, 210 Pangborn Blvd, Hagerstown, Md
Parsons Engrg Corp, 2545 E 79 St, Cleveland 4, Ohio
Parten Mach Co, 311 Portland Ave, Minneapolis 51, Minn
Procter & Schwartz, 7 & Tabor Rd, Phila 20, Pa
Pulverizing Machy Co, Chatham Rd, P O Box 569, Summit, N J
Research Corp, 405 Lexington Ave, N Y
Schmieg Industries, 306 Piquette St, Detroit 2, Mich
Claude B Schneible Co, 2831 25 St, Detroit 16, Mich
W W Sly Mfg Co, 4700 Train Ave, Cleveland 2, Ohio
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal
Ultrasonic Corp, 63 Rogers St, Cambridge, Mass
U S Hoffman Machy Corp, 105 4 Ave, N Y 3
Western Precipitation Corp, 1030 W 9 St, Los Angeles 15, Cal
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa
Whiting Corp, Swenson Evaporator Div, Harvey, Ill

DUST CONTROL SYSTEMS

Aerodyne Development Corp, 879 Addison Rd, Cleveland 3, Ohio
Airborne Conveyors Corp, 99 Hudson St, N Y 13
American Wheelabrator & Equipment Corp, 827 S Byrkit St, Mishawaka, Ind
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
Buell Engrg Co, 70 Pine St, N Y 5
Day Co, 810 3 Ave N E, Minneapolis 113, Minn
Dracco Corp, 4063 E 116 St, Cleveland 5, Ohio
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
R C Mahon Co, 6565 E 8 Mile Rd, Detroit, Mich
Northern Blower Co, 6418 Barberton Ave, Cleveland 2, Ohio
Pangborn Corp, 210 Pangborn Blvd, Hagerstown, Md
Parsons Engrg Corp, 2545 E 79 St, Cleveland 4, Ohio
Pulverizing Machy Co, Chatham Rd, P O Box 569, Summit, N J
Schmieg Industries, 306 Piquette St, Detroit 2, Mich
Claude B Schneible Co, 2831 25 St, Detroit 16, Mich
W W Sly Mfg Co, 4700 Train Ave, Cleveland 2, Ohio
Ultrasonic Corp, 63 Rogers St, Cambridge, Mass
Western Precipitation Corp, 1030 W 9 St, Los Angeles 15, Cal

DYNAMOS

Enzinger Union Corp, Angola, N Y
Gen Elec Co, Schenectady 5, N Y
Westinhouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa

ECONOMIZERS, FUEL AND STEAM

American District Steam Co, 380 Bryant St, N Tonawanda, N Y
Babcok & Wilcox, 85 Liberty St, N Y 6
Combustion Engr-Superheater, 200 Madison Ave, N Y 16
Davis Emergency Equipment Co, 43 Halleck St, Newark 4, N J
Foster-Wheeler Corp, 165 Broadway, N Y 6
Green Fuel Economizer Co, Beacon, N Y
Riley Stoker Corp, 9 Neponset St, Worcester 6
Whitlock Mfg Co, 74 South St, Hartford 10, Conn

ECONOMIZERS, WASTE HEAT

American District Steam Co, 380 Bryant St, N Tonawanda, N Y
Babcock & Wilcox, 85 Liberty St, N Y 6
Combustion Engr-Superheater, 200 Madison Ave, N Y 16
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Foster-Wheeler Corp, 165 Broadway, N Y 6
Green Fuel Economizer Co, Beacon, N Y
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
York Corp, Roosevelt & P R R, York, Pa

EJECTORS, AIR JET

Acme Coppersmithing & Mach Co, Oreland, Pa
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Elliott Co, 900 N 4 St, Jeannette, Pa
Falls Industries, Aurora Rd, Solon, Ohio
Hanovia Chem & Co, 100 Chestnut St, Newark 5, N J
Ingersoll-Rand Co, Phillipsburg, N J
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich

EJECTORS, STEAM JET

Acme Coppersmithing & Mach Co, Oreland, Pa
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
Croll Reynolds Co, 17 John St, N Y 38
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Duraloy Co, Scottdale, Pa
Duriron Co, 450 N Finley St, Dayton 1, Ohio
Elliott Co, 900 N 4 Sts, Jeannette, Pa

EJECTORS, STEAM JET, continued

Foster Corp, 165 Broadway, N Y 6
Graham Mfg Co, 415 Lexington Ave, N Y 17
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Lummus Co, 385 Madison Ave, N Y 17
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
National Conveyors Co, 50 Church St, N Y 7
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Ross Heater & Mfg Co, 1434 West Ave, Buffalo, N Y
Schutte Koerting Co, Cornwells Heights, Bucks Co, Pa
Sentinel Glass Co, Box 58, Hatboro, Pa
C H Wheeler Mfg Co, Lehigh & Sedgley Aves, Phila 32, Pa

EJECTORS, WATER JET

Acme Coppersmithing & Mach Co, Oreland, Pa
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Croll Reynolds Co, 17 John St, N Y 38
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Schutte Koerting Co, Cornwells Heights, Bucks Co, Pa
Sentinel Glass Co, Box 58, Hatboro, Pa

ELECTRODES, GRAPHITE

Falls Industries, Aurora Rd, Solon, Ohio
Graphite Metallizing Corp, 1008 Nepperhan Ave, Yonkers, N Y

ELECTRONIC DEVICES

Beta Elec Corp, 333 E 103 St, N Y 29
Eriez Mfg Co, 629 Commerce Bldg, Erie, Pa
Gen Elec Co, Electronics Park, Syracuse, N Y
Gen Radio Co, 275 Mass Ave, Cambridge 39, Mass
Lumenite Electronic Co, 407 S Dearborn St, Chicago 5, Ill
Macbeth Corp, P O Box 950, Newburgh, N Y

ELECTRONIC DEVICES, continued

Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
North American Philips Co, 100 E 42 St, N Y 17
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Photoswitch Inc, 77 Broadway, Cambridge 42, Mass
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Radio Corp of America, Camden, N J
Reliance Elec & Engrg Co, 1088 Ivanhoe Rd, Cleveland 10, Ohio
Sorensen & Co, 375 Fairfield Ave, Stamford, Conn
Ultrasonic Corp, 63 Rogers St, Cambridge, Mass
United Engrs, 824 E 6 St, Tulsa, Okla
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa
Will Corp, Rochester 3, N Y

ELEVATORS, BAG AND BARREL

Alvey-Ferguson Co, 75 Disney St, Cincinnati 9, Ohio
G O Bartlett & Snow Co, Harvard Ave, Cleveland 5, Ohio
Buffalo Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
E W Buschman Co, Clifton & Spring Grove Ave, Cincinnati 32, Ohio
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Gifford-Wood Co, 5 Hill St, Hudson, N Y
Economy Engrg Co, 4511 W Lake St, Chicago 24, Ill
George Haiss Mfg Co, 381 Canal Pl, Bronx 51, N Y
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Lamson Corp, Lamson St, Syracuse 1, N Y
Lewis-Shepard Products, 119 Walnut St, Watertown 72, Mass
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Magnetic Engrg & Mfg Co, Clifton, N J
Mercer-Robinson Co, 30 Church St, N Y 7
Samuel Olson Mfg Co, 2418 Bloomingdale Ave, Chicago 47, Ill
Service Caster & Truck Corp, 110 Superior St, Albion, Mich
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
West Bend Equipment Co, West Bend, Wis

EVACTOR

STEAM JET VACUUM PUMPS

Croll-Reynolds Steam Jet Evactors are made in single, two, three, four, and five stage units for any vacuum up to a few microns absolute. More than 10,000 installations are serving all types of condensers and chemical processing units. There are no moving parts which means extreme simplicity and dependability. Constant research and development by an organization which has specialized on this equipment for over thirty years has also provided exceptional efficiency.

CHILLED WATER FOR PROCESS COOLING

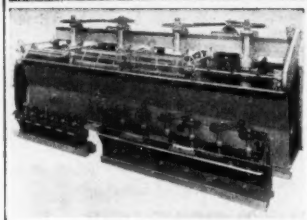
Croll-Reynolds Chill-Vactor equipment uses the Evactors described above to chill water and aqueous solutions by evaporative cooling. The total capacity of Chill-Vactors installed to date is equal to over 30,000 tons of ice per day. This equipment is furnishing chilled water for air conditioning, chilled liquors for chemical process work and for chilling porous solids and wetted surfaces.

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CROLL-REYNOLDS CO., INC.

Main Office — 751 Central Avenue, Westfield, New Jersey
New York Office — 17 John Street, New York 38, N. Y.
Chill-Vactors Steam Jet Evactors Condensing Equipment

DENVER "Sub-A" FLOTATION



FLOTATION is an invaluable tool in the chemical industry. Now used for Phosphate, Sulphur, Potash, Rubber, De-inking Waste Paper, Paint Pigments, Chicle, Recovery of Naphthalene, Cleaning Coal, Correcting Stream Pollution, etc. COMPLETE TESTING FACILITIES.

Laboratory and Commercial machines for batch or continuous operation. Rubber-covered wearing parts. Standard or acid-proof construction.

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1400 Seventeenth Street
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Denver 17, Colorado

ELEVATORS, BUCKET

Barber-Greene Co, 631 W Park St, Aurora, Ill
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Beaumont Birch Co, 1526 Race St, Phila 2, Pa
Bodinson Mfg Co, 2401 Bayshore Blvd, San Francisco 24, Cal
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
E W Bushman Co, Clifton & Spring Grove Ave, Cincinnati 32, Ohio
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Chem Engrg Service, 374½ S Washington, Green Bay, Wis
Continental Gin Co, P O Box 2416, Birmingham 2, Ala
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Denver Equipment Co, 1400 17 St, Denver 17, Col
Fairfield Engrg Co, Marion, Ohio
Gifford-Wood Co, 5 Hill St, Hudson, N Y
Great Western Mfg Co, Leavenworth, Kan
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
George Haiss Mfg Co, 381 Canal Pl, Bronx 51, N Y
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
International Engrg, Dayton 1, Ohio
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Magnetic Engrg & Mfg Co, Clifton, N J
Marine Fabricators Co, 1010 State St, Perth Amboy, N J
E F Marsh Engrg Co, 4324 W Clayton St, St Louis 10, Mo
Mercer-Robinson Co, 30 Church St, N Y 7
Munson Mill Machy Co, 200 Seward Ave, Utica, N Y
Omega Mach Co, 345 Harris Ave, Providence 1, R I
Parten Mach Co, 311 Portland Ave, Minneapolis 51, Minn
Peerless Bread Machy Corp, Park St, Sidney, Ohio
Read Standard Corp, York, Pa
Smith Engrg Works, 532 E Capitol Dr, Milwaukee 12, Wis
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass
Universal Rd Mach Co, Emerick St, Kingston, N Y
Webster Mfg Co, Tiffin, Ohio

ELEVATORS, CONTINUOUS FLOW

G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Beaumont Birch Co, 1526 Race St, Phila 2, Pa

ELAVATORS, CONTINUOUS FLOW, continued

Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
E W Buschman Co, Clifton & Spring Grove Ave, Cincinnati 32, Ohio
Chem Engrg Service, 374½ S Washington, Green Bay, Wis
Fairfield Engrg Co, Marion, Ohio
Gifford-Wood Co, 5 Hill St, Hudson, N Y
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Lamson Corp, Lamson St, Syracuse 1, N Y
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Syntron Co, 421 Lexington Ave, Homer City, Pa
West Bend Equipment Co, West Bend, Wis
Williams Patent Crusher & Pulverizer Co, 813 Montgomery St, St Louis, Mo

ELEVATORS, PORTABLE

E W Buschman Co, Clifton & Spring Grove Ave, Cincinnati 32, Ohio
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Economy Engrg Co, 4511 W Lake St, Chicago 24, Ill
George Haiss Mfg Co, 381 Canal Pl, Bronx 51, N Y
Lewis-Shepard Products, 119 Walnut St, Watertown 72, Mass
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Magnetic Engrg & Mfg Co, Clifton, N J
Samuel Olson Mfg Co, 2418 Bloomingdale Ave, Chicago 47, Ill
Revolvator Co, 2019 86 St, N Bergen, N J
Service Caster & Truck Corp, 110 Superior St, Albion, Mich
West Bend Equipment Co, West Bend, Wis
Williams Patent Crusher & Pulverizer Co, 813 Montgomery St, St Louis, Mo

ELEVATORS, SCREW

Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
E W Buschman Co, Clifton & Spring Grove Ave, Cincinnati 32, Ohio
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Continental Gin Co, P O Box 2416, Birmingham 2, Ala
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Great Western Mfg Co, Leavenworth, Kan
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Read Standard Corp, York, Pa
Webster Mfg Co, Tiffin, Ohio

ELEVATORS, TRAY

Alvey-Ferguson Co, 75 Disney St, Cincinnati 9, Ohio
G O Barlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Bodinson Mfg Co, 2401 Bayshore Blvd, San Francisco 24, Cal
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
E W Bushman Co, Clifton & Spring Grove Ave, Cincinnati 32, Ohio
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Gifford-Wood Co, 5 Hill St, Hudson, N Y
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Lamson Corp, Lamson St, Syracuse 1, N Y
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Magnetic Engrg & Mfg Co, Clifton, N J
Samuel Olson Mfg Co, 2418 Bloomingdale Ave, Chicago 47, Ill
West Bend Equipment Co, West Bend, Wis

EMULSIFYING MACHINERY

Chemicolloid Labs, 30 Church St, N Y
Cornell Mach Co, 99 Wall St, N Y
Edgemoor Iron Works, Edgemoor, Del
Girdler Corp, 224 E Broadway, Louisville, Ky
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
International Engrg, Dayton 1, Ohio
J M Lehman Co, 550 N Y Ave, Lyndhurst, N J
C W Logeman Co, 633 Bergen St, Bklyn 17, N Y
H W North Co, E 13 & Parade Sts, Erie, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Read Standard Corp, York, Pa
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y

EQUIPMENT, BOILER WATER CONTROL

Babcock & Wilcox, 85 Liberty St, N Y 6
Clayton Mfg Co, Box 550, El Monte, Cal
Cleaver-Brooks Co, 326 E Keefe Ave, Milwaukee 12, Wis
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Edgemoor Iron Works, Edgemoor, Del
Foster-Wheeler Corp, 165 Broadway, N Y 6
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Key Co, 2701 McCasland, E St Louis, Ill
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn

EQUIPMENT, BOILER WATER CONTROL, continued

A B Murray Co, 649 Green Lane, Elizabeth, N J
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
C E Squires Co, 18502 Syracuse Ave, Cleveland, Ohio
Swartwout Co, 18511 Euclid Ave, Cleveland 12, Ohio
W A Taylor & Co, 7300 York Rd, Baltimore 4, Md
Yarnall-Waring Co, 102 E Mermaid Lane, Phila 18, Pa

EQUIPMENT, GLASS LINED

Eclipse Fuel Engrg Co, 703 S Main St, Rockford, Ill
Glascote Products, 20900 St Clair Ave, Cleveland 17, Ohio
Industrial Filter & Pump Mfg Co, 5900 Ogden Ave, Chicago 50, Ill
International Engrg, Dayton 1, Ohio
Metalab Equipment Corp, 270 Duffy Ave, Hicksville, L I, N Y
Pfaudler Co, 1000 W Ave, Rochester 3, N Y

EQUIPMENT, LABORATORY

American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
Anterberger Bros, Northbrook, Ill
Atlas Elec Devices Co, 361 W Superior St, Chicago, Ill
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Bethlehem Apparatus Co, 890 Front St, Hellertown, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
Brush Development Co, 3311 Perkins Ave, Cleveland 14, Ohio
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Burrell Corp, 2223 5 Ave Pittsburgh 19, Pa
Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Corning Glass Works, Corning, N Y
Denver Equipment Co, 1400 17 St, Denver 17, Col
Harry W Dietert Co, 9330 Roselawn Ave, Detroit 4, Mich
Distillation Products Industries, Rochester 3, N Y
Eberbach Corp, 200 E Liberty St, Ann Arbor, Mich
Eimco Corp 634 S 4 W St, Salt Lake City 4, Utah
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Oscar Fisher Co, 1000 N Div St, Peekskill, N Y
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Galigher Co, 545 W 8 South St, Salt Lake City 4, Utah
Great Western Mfg Co, Leavenworth, Kan
Emil Greiner Co, 20-26 N Moore St, N Y 13
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Industrial Filter & Pump Mfg Co, 5900 Ogden Ave, Chicago 50, Ill
International Engrg, Dayton 1, Ohio
Kewaunee Mfg Co, End of S Center St, Andrian, Mich
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Lab Furniture Co, P O Box 590, Mineola, N Y
E Leitz, 304 Hudson St, N Y 13
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
H S Martin & Co, 1916 Greenleaf Ave, Evanston, Ill
Metal Glass Products Co, Belding, Mich
Metal Product Corp, 50 W 19 St, Weehawken, N J
Metalab Equipment Corp, 270 Duffy Ave, Hicksville, L I, N Y
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
Nieder Fused Quartz Co, Babson Park Ave, Babson Park 57, Mass
Oliver United Filters, 2900 Glasscock St, Oakland 1, Cal
Phoenix Precision Instruments, 3803 N B St, Phila 40, Pa
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Scientific Glass Apparatus Co, Bloomfield, N J
Sorensen & Co, 375 Fairfield Ave, Stamford, Conn
Tenney Engrg, 26 Ave B, Newark 5, N J
U S Stoneware Co, 60 E 42 St, N Y
Wilkens-Anderson Co, 4525 W Div St, Chicago 51, Ill
Will Corp, Rochester 3, N Y

EQUIPMENT, LEAD, LEAD LINED

Acme Coppersmithing & Mach Co, Oreland, Pa
R P Adams Co, 225 E Park Dr, Buffalo 17, N Y
Belke Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
Edgemoor Iron Works, Edgemoor, Del
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio
Lead Lined Iron Pipe Co, Wakefield, Mass
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Munning & Munning, 202 Emmett St, Newark, N J
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
U S Stoneware Co, 60 E 42 St, N Y

STAINLESS STEEL and ALLOY CHEMICAL PROCESS EQUIPMENT

Autoclaves—agitators—condensers—evaporators—fractionating towers—kettles—stills—mixers—prefabricated piping—tanks—cylinders—heat exchangers—dyeing equipment. Available with round corner construction. Engineering staff aids in designing for economy in operation. Large, well equipped plant specializing in gauges up to ⅜" thick. Welding to A.S.M.E. code specifications.

S. BLICKMAN, INC.
3100 Gregory Avenue, Weehawken, New Jersey
EST. 1889

EQUIPMENT, NICKEL AND NICKEL ALLOYS

Acme Coppersmithing & Mach Co, Oreland, Pa
R P Adams Co, 225 E Park Dr, Buffalo 17, N Y
Autoclave Engrs, 860 E 19 St, Erie, Pa
Blaw-Knox Co, Blawnox, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgemoor, Del
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Glasco Equipment Corp, 6 Wall St, Paterson 4, N J
Glascote Products, 20900 St Clair Ave, Cleveland 17, Ohio
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Metal Glass Products Co, Belding, Mich
Metal Products Corp, 50 W 19 St, Weehawken, N J
Perry Equipment Corp, 1515 W Thompson St, Phila 21, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
W S Rockwell Co, 270 Elliot St, Fairfield, Conn
Union Iron Works, 15 & Cascade Sts, Erie, Pa
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio

EQUIPMENT, PHOSPHATE CONTROL

Chem Engrg Service, 3741½ Washington, Green Bay, Wis
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
W A Taylor & Co, 7300 York Rd, Baltimore 4, Md

EQUIPMENT, PORCELAIN

Illinois Elec Porcelain Co, Box 272, Macomb, Ill
International Engrg, Dayton 1, Ohio
Lapp Insulator Co, Le Roy, N Y
U S Stoneware Co, 60 E 42 St, N Y

EQUIPMENT, RUBBER

American Hard Rubber Co, 11 Mercer St, N Y 13
Atlas Mineral Products Co, Mertztown, Pa
Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
Gates Rubber Co, 999 S Broadway, Denver 17 Col
Luzerne Rubber Co, Trenton 7, N J
Peterson Filters & Engrg Co, 137 Motor Ave, Salt Lake City 1, Utah
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Rubber & Plastic Products Corp, Matawan, N J
U S Rubber Co, 1230 6 Ave, N Y 20
U S Stoneware Co, 60 E 42 St, N Y

EQUIPMENT, RUBBER LINED

R P Adams Co, 225 E Park Dr, Buffalo 17, N Y
Atlas Mineral Products Co, Mertztown, Pa
Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
Belke Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Edgemoor Iron Works, Edgemoor, Del
Electro Chem Engrg & Mfg Co, 752 Broad St, Emmaus, Pa
Enthone Inc, 442 Elm St, New Haven, Conn
Galigher Co, 545 W 8 South St, Salt Lake City 4, Utah

EQUIPMENT, RUBBER LINED, continued

Gates Rubber Co, 999 S Broadway, Denver 17, Col
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
International Engrg, Dayton 1, Ohio
Luzerne Rubber Co, Trenton 7, N J
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Munning & Munning, 202 Emmett St, Newark, N J
Raybestos-Manhattan, 61 Willet St, Passaic, N J
U S Stoneware Co, 60 E 42 St, N Y

EQUIPMENT, STONEWARE

International Engrg, Dayton 1, Ohio
Metalab Equipment Corp, 270 Duffy Ave, Hicksville, L I, N Y
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
U S Stoneware Co, 60 E 42 St, N Y

EQUIPMENT, USED

Chem Engrg Service, 3741½ Washington, Green Bay, Wis
Perry Equipment Corp, 1515 W Thompson St, Phila 21, Pa

EQUIPMENT, VACUUM COATING

Acme Coppersmithing & Mach Co, Oreland, Pa
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Distillation Products Industries, Rochester 3, N Y
National Research Corp, 70 Memorial Dr, Cambridge 42, Mass
Radio Corp of America, Camden, N J
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa

EQUIPMENT, VACUUM DRY FREEZE

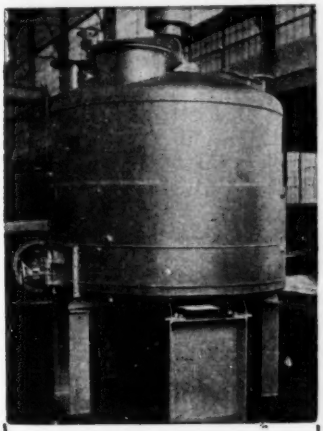
Proctor & Schwartz, 7 & Tabor Rd, Phila 20, Pa

EQUIPMENT, WATER ANALYSIS

Elgin Softener Corp, Elgin, Ill
Emil Greiner Co, 20-26 N Moore St, N Y 13
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
W A Taylor & Co, 7300 York Rd, Baltimore 4, Md
Wallace & Tiernan, 1 Main St, Belleville, N J

EVAPORATORS, BASKET TYPE

Acme Coppersmithing & Mach Co, Oreland, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Metal Products Corp, 50 W 19 St, Weehawken, N J
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Whiting Corp, Swenson Evaporator Div, Harvey, Ill



BUFLOVAK
Modern
PROCESSING EQUIPMENT

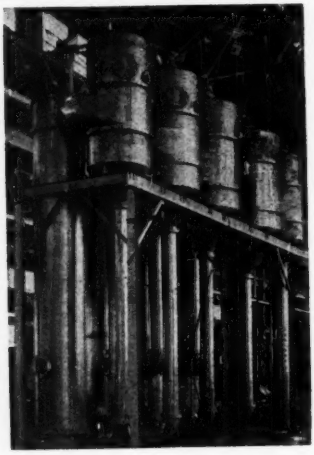
Listed here are some of the many standard and special types of BUFLOVAK, BUFLOKAST, and BUFLOWELD equipment. Obviously, a line so extensive in type and application cannot be fully described here. However, bulletins completely describing the individual pieces of equipment are available upon request.

ACID EGGS • AUTOCLAVES • BREWHOUSE EQUIPMENT • CAUSTIC POTS • CHEMICAL CASTINGS • CONDENSERS • DISTILLATION APPARATUS • DRYERS • EVAPORATORS • FATTY ACID STILLS • IMPREGNATORS • KETTLES • NITRATORS • NITRIC ACID RETORTS • PILOT PLANT EQUIPMENT • REDUCERS • SOLVENT RECOVERY APPARATUS • SULPHONATORS • VULCANIZERS • DOPP KETTLES

BUFLOVAK maintains a Research and Testing Plant to assist customers in the solution of processing problems and to develop more efficient production methods and improved finished products. These facilities can save you time and money. Results are definite. Take advantage of these facilities and a highly specialized and experienced technical staff.

Send for Bulletin 357

BUFLOVAK EQUIPMENT DIVISION
OF BLAW-KNOX COMPANY
1579 Fillmore Ave., Buffalo 11, N. Y.



BUFLOVAK EVAPORATORS

FOR THE RECOVERY OF SOLIDS . . .

BUFLOVAK Vertical Rapid Concentration Evaporators are simple in design and construction and provide maximum recovery of solids. A high rate of evaporation per square foot of heating surface results from improved heat transfer, accomplished by proper steam distribution, correct velocity of steam and thorough removal of non-condensable gases and condensate.

FOR CHEMICAL PROCESSES . . .

BUFLOVAK Evaporators are designed and built for every chemical process requiring evaporation. They offer operating economies and efficient, dependable, long-life performance. They can be built of any material of construction suited to the particular application.

FOR SOLVENT RECOVERY . . .

In the manufacture of medicinal and drug extracts and in the extraction of active principles from vegetables or animal products, a dilute solution is obtained which requires concentration under conditions of maximum solvent recovery and minimum entrainment loss. BUFLOVAK provides these advantages in evaporators designed for economical construction in stainless steel, aluminum, nickel, etc.

FOR FOOD PRODUCTS . . .

BUFLOVAK Evaporators of stainless steel profitably meet the exacting requirements of producing concentrated food products of high quality. They are built in sizes and types to meet every operating condition, including multiple effects and save 50% and upward in steam and cooling water.

FOR LOW-TEMPERATURE OPERATION . . .

BUFLOVAK Low-Temperature Evaporators can be furnished to operate as low as 58° F. to safely concentrate delicate food and chemical products. Automatic controls simplify operation, reduce labor to a minimum, and give uniform results even to the density of the product.

Send for Bulletin 351

BUFLOVAK EQUIPMENT DIVISION
OF BLAW-KNOX COMPANY
1579 Fillmore Ave., Buffalo 11, N. Y.

EVAPORATORS, CRYSTALLIZING

Acme Coppersmithing & Mach Co, Oreland, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Giascote Products, 20900 St Clair Ave, Cleveland 17, Ohio
Goslin-Birmingham Mfg Co, Box 631, Birmingham, Ala
Graham Mfg Co, 415 Lexington Ave, N Y 17
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Ozark-Mahoning Co, 310 W 6 St, Tulsa, Okla
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
U S Pipe & Foundry Co, Pearl St, Burlington, N J
Wurster & Sanger, 5201 S Kenwood Ave, Chicago 15, Ill

EVAPORATORS, ELECTRICALLY HEATED

Acme Coppersmithing & Mach Co, Oreland, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Wallace & Tiernan, 1 Main St, Belleville, N J
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa

EVAPORATORS, FILM TYPE

Acme Coppersmithing & Mach Co, Oreland, Pa
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Bowen Engrg, North Branch, N J
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Distillation Products Industries, Rochester 3, N Y
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Goslin-Birmingham Mfg Co, Box 631, Birmingham, Ala
Graham Mfg Co, 145 Lexington Ave, N Y 17
Emil Greiner Co, 20-26 N Moore St, N Y 13
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Whiting Corp, Swenson Evaporator Div, Harvey, Ill
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wurster & Sanger, 5201 S Kenwood Ave, Chicago 15, Ill

EVAPORATORS, FORCED CIRCULATION

Acme Coppersmithing & Mach Co, Oreland, Pa
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Bell & Gossett Co, Morton Grove, Ill
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Graham Mfg Co, 415 Lexington Ave, N Y 17
Griscom-Russell Co, Massillon, Ohio
Heintz Mfg Co, Front St & Olney Ave, Phila 20, Pa
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Lummus Co, 385 Madison Ave, N Y 17
McQuay Inc, 1600 Broadway N E, Minneapolis 13, Minn
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
U S Pipe & Foundry Co, Pearl St, Burlington, N J
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Whiting Corp, Swenson Evaporator Div, Harvey, Ill

EVAPORATORS, GLASS LINED

Gen American Transportation Corp, Field Bldg, Chicago 90, Ill
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Giascote Products, 20900 St Clair Ave, Cleveland 17, Ohio
Griscom-Russell Co, Massillon, Ohio
Pfaudler Co, 1000 W Ave Rochester 3, N Y

EVAPORATORS, LEAD

Acme Coppersmithing & Mach Co, Oreland, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Whiting Corp, Swenson Evaporator Div, Harvey, Ill

EVAPORATORS, LOW-TEMPERATURE

Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y

EVAPORATORS, THERMOCOMPRESSION

Acme Coppersmithing & Mach Co, Oreland, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Cleaver-Brooks Co, 326 E Keefe Ave, Milwaukee 12, Wis

EVAPORATORS, THERMOCOMPRESSION, continued

Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Griscom-Russell Co, Massillon, Ohio

EVAPORATORS, VACUUM

Acme Coppersmithing & Mach Co, Oreland, Pa
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Chicago Stainless Equipment Co, 5001 Elston Ave, Chicago 30, Ill
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Cornell Mach Co, 99 Wall St, N Y
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Distillation Products Industries, Rochester 3, N Y
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Goslin-Birmingham Mfg Co, Box 631, Birmingham, Ala
Emil Greiner Co, 20-26 N Moore St, N Y 13
Griscom Russell Co, Massillon, Ohio
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Lummus Co, 385 Madison Ave, N Y 17
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
National Research Corp, 70 Memorial Dr, Cambridge 42, Mass
Nooter Corp, 1400 S 3 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
U S Pipe & Foundry Co, Pearl St, Burlington, N J
Whiting Corp, Swenson Evaporator Div, Harvey, Ill
Wurster & Sanger, 5201 S Kenwood Ave, Chicago 15, Ill

EXCHANGERS, HEAT

Acme Coppersmithing & Mach Co, Oreland, Pa
Acme Industries, 618 N Mechanic St, Jackson, Mich
Aerofin Corp, 401 S Geddes St, Syracuse 1, N Y
American Copper & Brass Works, 610 E Front St, Cincinnati 2, Ohio
American District Steam Co, 380 Bryant St, N Tonawanda, N Y
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Andale Co, 1740 Cherry St, Phila 3, Pa
Atlas Mineral Products Co, Mertztown, Pa
Baker Refrigeration Corp, 5 Windham, Me
Bell & Gossett Co, Morton Grove, Ill
Berlin Chapman Co, Berlin, Wis
Blaw-Knox Co, Blawnox, Pa
British-American Carbon Corp, 18 E 48 St, N Y
Brown Fintube Co, Elyria, Ohio
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Cleaver-Brooks Co, 326 E Keefe Ave, Milwaukee 12, Wis
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Corning Glass Works, Corning, N Y
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Duraloy Co, Scottdale, Pa
Duriron Co, 450 N Finley St, Dayton 1, Ohio
Edgemoor Iron Works, Edgemoor, Del
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Enzinger Union Corp, Angola, N Y
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gen Elec Co, 5 Lawrence St, Bloomfield, N J
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Girdler Corp, 224 E Broadway, Louisville, Ky
Goslin-Birmingham Mfg Co, Box 631, Birmingham, Ala
Graham Mfg Co, 415 Lexington Ave, N Y 17
Griscom Russell Co, Massillon, Ohio
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
Hudson Engrg Corp, 2711 Danville St, Houston 6, Tex
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Joy Mfg Co, Oliver Bldg, Pittsburgh 22, Pa
Walter Kidde & Co, 675 Main St, Belleville 9, N J
Lummus Co, 385 Madison Ave, N Y 17
Marley Co, 222 W Gregory Blvd, Kansas City 5, Mo
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
National Radiator Co, 60 E 42 St, N Y 17
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa

EXCHANGERS, HEAT, continued

Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Perry Equipment Corp, 1515 W Thompson St, Phila 21, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
J F Pritchard & Co, 908 Grand Ave, Kansas City 6, Mo
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal
Ross Heater & Mfg Co, 1434 West Ave, Buffalo, N Y
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Sentinel Glass Co, Box 58, Hatboro, Pa
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Taco Heaters, 137 South St, Providence 3, R I
U S Pipe & Foundry Co, Pearl St, Burlington, N J
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Westinhouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Young Radiator Co, 6 & Marquette Sts, Racine, Wis
York Corp, Roosevelt & P R R, York, Pa

EXHAUSTERS, GAS

Acme Coppersmithing & Mach Co, Oreland, Pa
Elliott Co, 900 N 4 St, Jeannette, Pa
Green Fuel Economizer Co, Beacon, N Y
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Torit Mfg Co, 292 Walnut & Exchange Sts, St Paul, Minn
L J Wing Mfg Co, 300 Vreeland Mills Rd, Linden, N J

EXPANDERS, TUBE

Airetool Mfg Co, 362 S Center St, Springfield, Ohio
Babcock & Wilcox, 85 Liberty St, N Y 6
Key Co, 2701 McCasland, E St Louis, Ill
A B Murray Co, 649 Green Lane, Elizabeth, N J
Thomas C Wilson, 21-11 44 Ave, L I C 5, N Y

EXPANSION JOINTS

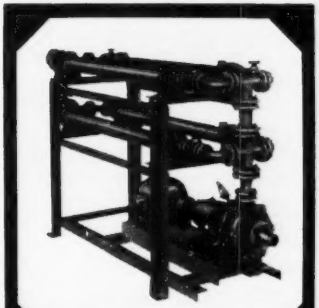
Acme Coppersmithing & Mach Co, Oreland, Pa
American District Steam Co, 380 Bryant St, N Tonawanda, N Y
Atlas Mineral Products Co, Mertztown, Pa
Chiksan Co, Brea, Cal
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
James B Clow & Sons, 201-299 N Talman Ave, Chicago 80, Ill
Cook Elec Co, 2700 Southport St, Chicago 14, Ill
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Croll Reynolds Co, 17 John St, N Y 38
Duriron Co, 450 N Finley St, Dayton 1, Ohio
Foster-Wheeler Corp, 165 Broadway, N Y 6
Griscom Russell Co, Massillon, Ohio
International Nickel Co, 67 Wall St, N Y 5
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Raybestos-Manhattan, 61 Willet St, Passaic, N J
Walworth Co, 60 E 42 St, N Y 17
Yarnall-Waring Co, 102 E Mermaid Lane, Phila 18, Pa
Zallea Bros, Taylor & Locust Sts, Wilmington 99, Del

EXTINGUISHERS, FIRE

American LaFrance Foamite Corp, Elmira, N Y
Firetox System, 998 Farmington Ave, W Hartford 7, Conn
Grinnell Co, 260 W Exchange St, Providence 1, R I
Walter Kidde & Co, 675 Main St, Belleville 9, N J
National Foam System, Union & Adams Sts, W Chester, Pa
Protectoseal Co, 1904 S Western Ave, Chicago 8, Ill
Pyrene Mfg Co, 560 Belmont Ave, Newark 8, N J
Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio
Wilf Corp, Rochester 3, N Y

EXTRACTORS, JACKETED

Acme Coppersmithing & Mach Co, Oreland, Pa
American Mach & Metals, E Moline, Ill
Bird Mach Co, S Walpole, Mass
Blaw-Knox Co, Blawnox, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Scientific Glass Apparatus Co, Bloomfield, N J
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex



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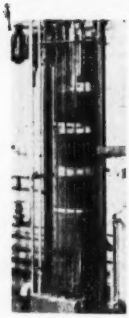
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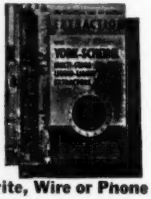
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Corning Glass Works, Corning, N Y
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
F A Langsenkamp Co, Indianapolis 25, Ind
H S Martin & Co, 1916 Greenleaf Ave, Evanston, Ill
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
B Rauschkolb & Co, 225 W 34 St, N Y 1
Scientific Glass Apparatus Co, Bloomfield, N J
Will Corp, Rochester 3, N Y

EXTRACTORS, LIQUID

Acme Coppersmithing & Mach Co, Oreland, Pa
American Mach & Metals, E Moline, Ill
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Buell Engrg Co, 70 Pine St, N Y 5
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Koch Engrg Co, 335 W Lewis St, Wichita 2, Kan
F A Langsenkamp Co, Indianapolis 25, Ind
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Otto H York Co, 69 Glenwood Pl, E Orange, N J

EXTRACTORS, MIST

Buell Engrg Co, 70 Pine St, N Y 5
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Otto H York Co, 69 Glenwood Pl, E Orange, N J

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American Mach & Metals, E Moline, Ill
Andale Co, 1740 Cherry St, Phila 3, Pa
Blaw-Knox Co, Blawnox, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Elliott Co, 900 N 4 St, Jeannette, Pa
Neff & Frey Co, 164 Elm St, Camden, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
J A Zurn Mfg Co, 1801 Pittsburgh Ave, Erie, Pa

EXTRACTORS, PRESSURE

Acme Coppersmithing & Mach Co, Oreland, Pa
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa

EXTRACTORS, SOLVENT

Acme Coppersmithing & Mach Co, Oreland, Pa
Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
American Mach & Metals, E Moline, Ill
Bird Mach Co, S Walpole, Mass
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Foster-Wheeler Corp, 165 Broadway, N Y 6
Koch Engrg Co, 335 W Lewis St, Wichita 2, Kan
Lummus Co, 385 Madison Ave, N Y 17
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Wurster & Sanger, 5201 S Kenwood Ave, Chicago 15, Ill
Otto H York Co, 69 Glenwood Pl, E Orange, N J

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Acme Coppersmithing & Mach Co, Oreland, Pa
Bonnot Co, Canton 2, Ohio
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa

FABRICATORS, STAINLESS STEEL

Acme Coppersmithing & Mach Co, Oreland, Pa
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
Cambridge Wire Cloth Co, 1518 Washington Blvd, Cambridge, Md
G O Carlson, Thorndale, Pa
Cherry-Burrell Corp, 427 W Randolph St, Chicago 6, Ill
Cleveland Coppersmithing Works, Stone Ave, N W, Cleveland 2, Ohio
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Downingtown Iron Works, Downingtown, Pa
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Edgemoor Iron Works, Edgemoor, Del
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Enzinger Union Corp, Angola, N Y
Falstrom Co, 9 Falstrom Court, Passaic, N J
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Oscar Fisher Co, 1000 N Div St, Peekskill, N Y
Foster-Wheeler Corp, 165 Broadway, N Y 6
Glascote Products, 20900 St Clair Ave, Cleveland 17, Ohio
Goslin-Birmingham Mfg Co, Box 631, Birmingham, Ala
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Lee Metal Products Co, 368 W Pine St, Philipsburg, Pa
Littleford Bros, 453 Pearl St, Cincinnati 2, Ohio
Metal Glass Products Co, Belding, Mich
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
A B Murray Co, 649 Green Lane, Elizabeth, N J
National Annealing Box Co, Washington, Pa
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Paterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Perry Equipment Corp, 1515 W Thompson St, Phila 21, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal
Republic Steel Corp, Republic Bldg, Cleveland, Ohio
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
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Chelsea Products, 639 South Ave, Plainfield, N J
Coppus Engrg Corp, 344 Park Ave, Worcester 2, Mass
Diehl Mfg Co, 1181 Finderne Ave, Somerville, N J
Falls Industries, Aurora Rd, Solon, Ohio
Green Fuel Economizer Co, Beacon, N Y
I L G Elec Ventilating Co, 2850 N Pulaski Ave, Chicago 41, Ill
International Engrg, Dayton 1, Ohio
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
Trane Co, 300 Cameron Ave, La Crosse, Wis
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa
L J Wing Mfg Co, 300 Vreeland Mills Rd, Linden, N J

FANS, EXHAUST

American Blower Corp, 8111 Tireman St, Detroit 32, Mich
American Mach & Metals, E Moline, Ill
Bauer Bros Co, 1727 Sheridan Ave, Springfield, Ohio
Binks Mfg Co, 3114 Carroll Ave, Chicago 12, Ill
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Chelsea Products, 639 South Ave, Plainfield, N J
Coppus Engrg Corp, 344 Park Ave, Worcester 2, Mass
Diehl Mfg Co, 1181 Finderne Ave, Somerville, N J
Duriron Co, 450 N Finley St, Dayton 1, Ohio
Enthone Inc, 442 Elm St, New Haven, Conn
Green Fuel Economizer Co, Beacon, N Y
I L G Elec Ventilating Co, 2850 N Pulaski Ave, Chicago 41, Ill
International Engrg, Dayton 1, Ohio
Jerffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Joy Mfg Co, Oliver Bldg, Pittsburgh 22, Pa
Kewaunee Mfg Co, End of S Center St, Adrian, Mich
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Northern Blower Co, 6418 Barberton Ave, Cleveland 2, Ohio
Pangborn Corp, 210 Pangborn Blvd, Hagerstown, Md
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal
Trane Co, 300 Cameron Ave, La Crosse, Wis
U S Pipe & Foundry Co, Pearl St, Burlington, N J
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa
L J Wing Mfg Co, 300 Vreeland Mills Rd, Linden, N J

FANS, FUME REMOVAL

American Blower Corp, 8111 Tireman St, Detriot 32, Mich
American Mach & Metals, E Moline, Ill
American Wheelabrator & Equipment Corp, 827 S Byrkit St, Mishawaka, Ind
Binks Mfg Co, 3114-40 Carroll Ave, Chicago, Ill
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Chelsa Products, 639 South Ave, Plainfield, N J
Diehl Mfg Co, 1181 Finderne Ave, Somerville, N J
I L G Elec Ventilating Co, 2850 N Pulaski Ave, Chicago 41, Ill
International Engrg, Dayton 1, Ohio
Kewaunee Mfg Co, Adrian, Mich
Lab Furniture Co, P O Box 590, Mineola, N Y
Robbins & Meyers, 1345 Lagonda Ave, Springfield Ohio
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal
Trane Co, 300 Cameron Ave, La Crosse, Wis
U S Pipe & Foundry Co, Pearl St, Burlington, N J
Westinghouse Elec Co, Hyde Park, Boston 36, Mass
L J Wing Mfg Co, 300 Vreeland Mills Rd, Linden, N J

FANS, PORTABLE

American Mach & Metals, E Moline, Ill
Chelsea Products, 639 South Ave, Plainfield, N J
Diehl Mfg Co, 1181 Finderne Ave, Somerville, N J
Gen Elec Co, 1285 Boston Ave, Bridgeport 2, Conn
I L G Elec Ventilating Co, 2850 N Pulaski Ave, Chicago 41, Ill
International Engrg, Dayton 1, Ohio
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa

FANS, VENTILATING

American Blower Corp, 8111 Tireman St, Detroit 32, Mich
American Mach & Metals, E Moline, Ill
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Chelsea Products, 639 South Ave, Plainfield, N J
Diehl Mfg Co, 1181 Finderne Ave, Somerville, N J
Gen Elec Co, 1285 Boston Ave, Bridgeport 2, Conn
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
I L G Elec Ventilating Co, 2850 N Pulaski Ave, Chicago 41, Ill
International Engrg, Dayton 1, Ohio
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Joy Mfg Co, Oliver Bldg, Pittsburgh 22, Pa
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal
Trane Co, 300 Cameron Ave, La Crosse, Wis
Westinghouse Elec Co, Hyde Park, Boston 36, Mass
L J Wing Mfg Co, 300 Vreeland Mills Rd, Linden, N J

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Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Continental Gin Co, P O Box 2416, Birmingham 2, Ala
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Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
International Engrg, Dayton 1, Ohio
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Traylor Engrg & Mfg Co, Allentown, Pa
Universal Engrg Corp, 625 C Ave N W, Cedar Rapids, Iowa
Wyssmont Co, 31-08 N Blvd, L I C 1, N Y

FEEDERS, BELT GRAVIMETRIC

Omega Mach Co, 345 Harris Ave, Providence 1, R I

FEEDERS, CONSTANT WEIGHT

Graver Water Conditioning Co, 216 W 14 St, N Y 11
Hardinge Co, 240 Arch St, York, Pa
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Infilco Inc, Box 5033, Tucson, Ariz
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Merrick Scale Mfg Co, 182 Autumn St, Passaic, N J
Omega Mach Co, 345 Harris Ave, Providence 1, R I
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J
Schaffer Poidometer Co, 2828 Smallman St, Pittsburgh, Pa
Sintering Macy Corp, 70 Pine St, N Y 5
Syntron Co, 421 Lexington Ave, Homer City, Pa
Wallace & Tiernan, 1 Main St, Belleville, N J

FEEDERS, CONTINUOUS FLOW

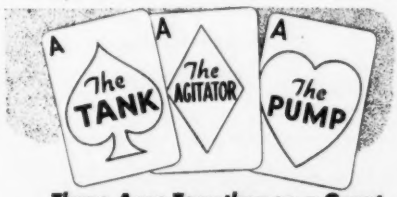
Barber-Greene Co, 631 W Park St, Aurora, Ill
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Beaumont Birch Co, 1526 Race St, Phila 2, Pa
Bonnot Co, Canton 2, Ohio
Gifford-Wood Co, 5 Hill St, Hudson, N Y
Graver Water Conditioning Co, 216 W 14 St, N Y 11
Hardinge Co, 240 Arch St, York, Pa
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col

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Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Lapp Insulator Co, Le Roy, N Y
Lippman Engrg Works, 4603 W Mitchell, Milwaukee, Wis
E F Marsh Engrg Co, 424 W Clayton St, St Louis 10, Mo
Munson Mill Machy Co, 200 Seward Ave, Utica, N Y
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Schaffer Poidometer Co, 2828 Smallman St, Pittsburgh, Pa
Sintering Macy Corp, 70 Pine St, N Y 5
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal
Syntron Co, 421 Lexington Ave, Homer City, Pa
Traylor Engrg & Mfg Co, Allentown, Pa
Universal Engrg Corp, 625 C Ave N W, Cedar Rapids, Iowa
Wallace & Tiernan, 1 Main St, Belleville, N J

FEEDERS, DRY

G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Beaumont Birch Co, 1526 Race St, Phila 2, Pa
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
Denver Equipment Co, 1400 17 St, Denver 17, Col
Gen Mach Co of N J, 398 Market St, Newark 5, N J
Gifford-Wood Co, 5 Hill St, Hudson, N Y
Graver Water Conditioning Co, 216 W 14 St, N Y 11
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Hardinge Co, 240 Arch St, York, Pa
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Infilco Inc, Box 5033, Tucson, Ariz
International Engrg, Dayton 1, Ohio
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Marco Co, 3 & Church St, Wilmington, Del
E F Marsh Engrg Co, 4324 W Clayton St, St Louis 10, Mo
Munson Mill Machy Co, 200 Seward Ave, Utica, N Y
Omega Mach Co, 345 Harris Ave, Providence 1, R I
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J
Schaffer Poidometer Co, 2828 Smallman St, Pittsburgh, Pa
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal
Syntron Co, 421 Lexington Ave, Homer City, Pa
Universal Rd Mach Co, Emerick St, Kingston, N Y
Wallace & Tiernan, 1 Main St, Belleville, N J



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Graver Water Conditioning Co, 216 W 14 St, N Y 11
Infilco Inc, Box 5033, Tuscon, Ariz
Lapp Insulator Co, Le Roy, N Y
C W Logeman Co, 633 Bergen St, Bklyn 17, N Y
McDonnell & Miller, 3500 N Spaulding Ave, Chicago 18, Ill
Mine & Smelter Supply Co, 1422 17 St, Denver 17, Col
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Wallace & Tiernan, 1 Main St, Belleville, N J

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American Brake Shoe Co, 230 Park Ave, N Y 17
Barber-Greene Co, 631 W Park St, Aurora, Ill
Beaumont Birch Co, 1526 Race St, Phila 2, Pa
Bodinson Mfg Co, 2401 Bayshore Blvd, San Francisco 24, Cal
Bonnot Co, Canton 2, Ohio
Continental Gin Co, P O Box 2416, Birmingham 2, Ala
Denver Equipment Co, 1400 17 St, Denver 17, Col
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Hardinge Co, 240 Arch St, York, Pa
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 E Ave S, Seattle 4, Wash
E F Marsh Engrg Co, 4324 W Clayton St, St Louis 10, Mo
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Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Syntron Co, 421 Lexington Ave, Homer City, Pa
Traylor Engrg & Mfg Co, Allentown, Pa

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G fford-Wood Co, 5 Hill St, Hudson, N Y
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Omega Mach Co, 345 Harris Ave, Providence 1, R I
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
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Schaffer Poidometer Co, 2828 Smallman St, Pittsburgh, Pa
Sintering Macy Corp, 70 Pine St, N Y 5
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Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal
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Gifford-Wood Co, 5 Hill St, Hudson, N Y
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International Engrg, Dayton 1, Ohio
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Wallace & Tiernan, 1 Main St, Belleville, N J

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Fairfield Engrg Co, Marion, Ohio
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Bauer Bros Co, 1727 Sheridan Ave, Springfield, Ohio
Beaumont Birch Co, 1526 Race St, Phila 2, Pa
Bonnot Co, Canton 2, Ohio
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
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Gifford-Wood Co, 5 Hill St, Hudson, N Y
Great Western Mfg Co, Leavenworth, Kan
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
B F Gump Co, 1347 S Cicero Ave, Chicago 50, Ill
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Jeffrey Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 E Ave S, Seattle 4, Wash
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G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
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Link-Belt Co, 3405 E Ave S, Seattle 4, Wash
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Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
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Syntron Co, 421 Lexington Ave, Homer City, Pa

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Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Syntron Co, 421 Lexington Ave, Homer City, Pa
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

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Hodgson Engrg & Mfg Co, 1507 E 7 St, Tulsa 10, Okla
G Diehl Mateer & Co, Lincoln Highway, Devon, Pa
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J
St Regis Sales Corp, 230 Park Ave, N Y 17
Stokes & Smith Co, 5010 Summerdale Ave, Phila 24, Pa
Syntron Co, 421 Lexington Ave, Homer City, Pa
Triangle Package Machy Co, 6633-55 W Diversey Ave, Chicago 35, Ill

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G Diehl Mateer & Co, Lincoln Highway, Devon, Pa
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Scientific Glass Apparatus Co, Bloomfield, N J

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Cherry-Burrell Corp, 427 W Randolph St, Chicago 6, Ill
Crown Cork & Seal Co, Eastern Ave & Kresson St, Baltimore 3, Md
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Karl Kiefer Mach Co, 919 Martin St, Cincinnati 2, Ohio
Lapp Insulator Co, Le Roy, N Y
Liquid Carbonic Corp, 3112 S Kedzie Ave, Chicago 23, Ill

FILLING MACHINES, BOTTLE, continued

M R M Co, 191 Berry St, Bklyn, N Y
G Diehl Mateer & Co, Lincoln Highway, Devon, Pa
Miller Wrapping & Sealing Mach Co, 18 S Clinton St, Chicago 6, Ill
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Pneumatic Scale Corp, 68 Newport Ave, N Quincy 71, Mass
George G Rodgers Co, 2401 3 Ave, N Y 51
Scientific Filter Co, 57 Rose St, N Y 7
Stokes & Smith Co, 5010 Summerdale Ave, Phila 24, Pa
Triangle Package Machy Co, 6633-55 W Diversey Ave, Chicago 35, Ill

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Lapp Insulator Co, Le Roy, N Y
Potdevin Mach Co, 1282-38 St, Bklyn 18, N Y

FILLING MACHINES, LIQUID

Ace Equipment Co, 400 W Kinzie St, Chicago 10, Ill
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Crown Cork & Seal Co, Eastern Ave & Kresson St, Baltimore 3, Md
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F R Hormann & Co, 17 Stone St, Newark 4, N J
Karl Kiefer Mach Co, 919 Martin St, Cincinnati 2, Ohio
Lapp Insulator Co, Le Roy, N Y
G Diehl Mateer & Co, Lincoln Highway, Devon, Pa
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Pneumatic Scale Corp, 68 Newport Ave, N Quincy 71, Mass
George G Rodgers Co, 2401 3 Ave, N Y 51
Triangle Package Machy Co, 6633-55 W Diversey Ave, Chicago 35, Ill

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Ace Equipment Co, 400 W Kinzie St, Chicago 10, Ill
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Karl Kiefer Mach Co, 919 Martin St, Cincinnati 2, Ohio
M R M Co, 191 Berry St, Bklyn, N Y
G Diehl Mateer & Co, Lincoln Highway, Devon, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
George G Rodgers Co, 2401 3 Ave, N Y 51
Stokes & Smith Co, 5010 Summerdale Ave, Phila 24, Pa
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Triangle Package Machy Co, 6633-55 W Diversey Ave, Chicago 35, Ill

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J L Ferguson Co, Route 52 at Republic Ave, Joliet, Ill
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Pneumatic Scale Corp, 68 Newport Ave, N Quincy 71, Mass
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J
George G Rodgers Co, 2401 3 Ave, N Y 51
Stokes & Smith Co, 5010 Summerdale Ave, Phila 24, Pa
Triangle Package Machy Co, 6633-55 W Diversey Ave, Chicago 35, Ill

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Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
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Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Will Corp, Rochester 3, N Y

FILTER BAGS

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Cherry-Burrell Corp, 427 W Randolph St, Chicago 6, Ill
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Independent Filter Press Co, 240 48 St, Bklyn 20, N Y
Johnson & Johnson, 4949 W 65 St, Chicago 38, Ill
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
National Filter Media Corp, 1717 Dixwell Ave, New Haven 14, Conn
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Peterson Filters & Engrg Co, 137 Motor Ave, Salt Lake City 1, Utah
Wm W Stanley, 401 Broadway, N Y
L C Thomsen & Sons, 1303 43 St, Kenosha, Wis
U S Hoffman Mach Co, 219 Lamson St, Syracuse 6, N Y

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Enthone Inc, 442 Elm St, New Haven, Conn
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Filtration Engrs, 155 Oraton St, Newark 4, N J
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
National Filter Media Corp, 1717 Dixwell Ave, New Haven 14, Conn
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y

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Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Filtration Engrs, 155 Oraton St, Newark 4, N J
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
National Filter Media Corp, 1717 Dixwell Ave, New Haven 14, Conn
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Wm W Stanley, 401 Broadway, N Y

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Gatke Corp, 228 N LaSalle St, Chicago 1, Ill
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Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
National Filter Media Corp, 1717 Dixwell Ave, New Haven 14, Conn
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Wellington Sears Co, 65 Worth St, N Y 13

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Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Filtration Engrs, 155 Oraton St, Newark 4, N J
Gatke Corp, 228 N LaSalle St, Chicago 1, Ill
Independent Filter Press Co, 240 48 St, Bklyn 20, N Y
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
National Filter Media Corp, 1717 Dixwell Ave, New Haven 14, Conn
T Shriver & Co, 874 Hamilton St, Harrison, N J
Sparkler Mfg Co, Mundelein, Ill
D R Sperry & Co, Batavia, Ill
Wm W Stanley, 401 Broadway, N Y
W S Tyler Co, 3615 Superior Ave, Cleveland 14, Ohio
Wellington Sears Co, 65 Worth St, N Y 13

FILTER CLOTH (COTTON)

Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Filtration Engrs, 155 Oraton St, Newark 4, N J
Filtrine Mfg Co, 52 Lexington Ave, Bklyn 5, N Y
Independent Filter Press Co, 240 48 St, Bklyn 20 N Y
Jacoby-Tarbox Corp, 810 Nepperhan Ave, Yonkers 3, N Y
Johnson & Johnson, 4949 W 65 St, Chicago 38, Ill
Liquid Carbonic Corp, 3112 S Kedzie Ave, Chicago 23, Ill
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
National Filter Media Corp, 1717 Dixwell Ave, New Haven 14, Conn
Pangborn Corp, 210 Pangborn Blvd, Hagerstown, Md
T Shriver & Co, 874 Hamilton St, Harrison, N J
Sparkler Mfg Co, Mundelein, Ill
D R Sperry & Co, Batavia, Ill
Wm W Stanley, 401 Broadway, N Y
Turner & Halsey Co, 40 Worth St, N Y 13
U S Hoffman Mach Co, 219 Lamson St, Syracuse 6, N Y
Wellington Sears Co, 65 Worth St, N Y 13

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Cambridge Wire Cloth Co, 1518 Washington Blvd, Cambridge, Md
Cleveland Wire Cloth & Mfg Co, 3573 E 78 St, Cleveland 5, Ohio
Colorado Fuel & Iron Corp, P O Box 1920, Denver 1, Col
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Hercules Filter Corp, 206 21 Ave, Paterson, N J
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Ludlow-Saylor Wire Co, 634 S Newstead Ave, St Louis 10, Mo
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Peterson Filters & Engrg Co, 137 Motor Ave, Salt Lake City 1, Utah
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T Shriver & Co, 874 Hamilton St, Harrison, N J
D R Sperry & Co, Batavia, Ill
Wm W Stanley, 401 Broadway, N Y
W S Tyler Co, 3615 Superior Ace, Cleveland 14, Ohio
U S Hoffman Mach Co, 219 Lamson St, Syracuse 6, N Y

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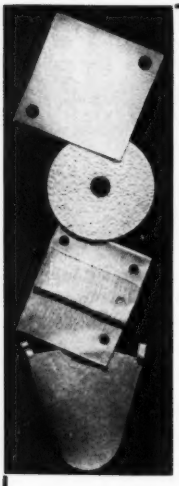
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Hercules Filter Corp, 206 21 Ave, Paterson, N J
Independent Filter Press Co, 240 48 St, Bklyn 20 N Y
National Filter Media Corp, 1717 Dixwell Ave, New Haven 14, Conn
T Shriver & Co, 874 Hamilton St, Harrison, N J
Sparkler Mfg Co, Mundelein, Ill
D R Sperry & Co, Batavia, Ill
Wm W Stanley, 401 Broadway, N Y
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Hercules Filter Corp, 206 21 Ave, Paterson, N J
National Filter Media Corp, 1717 Dixwell Ave, New Haven 14, Conn
Owens-Corning Fiberglas Corp, Nicholas Bldg, Toledo 1, Ohio
T Shriver & Co, 874 Hamilton St, Harrison, N J
Sparkler Mfg Co, Mundelein, Ill
D R Sperry & Co, Batavia, Ill
Wm W Stanley, 401 Broadway, N Y
Wellington Sears Co, 65 Worth St, N Y 13

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Cellulo Co, 2100 1 St, Sandusky, Ohio
Corning Glass Works, Corning, N Y
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Enthone Inc, 442 Elm St, New Haven, Conn
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Filtrine Mfg Co, 52 Lexington Ave, Bklyn 5, N Y
Hercules Filter Corp, 206 21 Ave, Paterson, N J
F R Hormann & Co, 17 Stone St, Newark 4, N J
Jacoby-Tarbox Corp, 810 Nepperhan Ave, Yonkers 3, N Y
Johnson & Johnson, 4949 W 65 St, Chicago 38, Ill
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Micro Metallic Corp, 42 Sea Cliff Ave, Glen Cove, N J
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
National Filter Corp, 147 W 22 St, N Y 11
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Wm W Stanley, 401 Broadway, N Y
U S Hoffman Mach Co, 219 Lamson St, Syracuse 6, N Y
Otto H York Co, 69 Glenwood Pl, E Orange, N J

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Ace Equipment Co, 400 W Kinzie St, Chicago 10, Ill
Alsop Engrg Corp, Milldale, Conn
H Reeve Angel & Co, 52 Duane St, N Y 7
Cellulo Co, 2100 1 St, Sandusky, Ohio
Enthone Inc, 442 Elm St, New Haven, Conn
Dicalite Div, Great Lakes Carbon Corp, 512 S Flower St, Los Angeles 17, Cal
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Filtration Engrs, 155 Oraton St, Newark 4, N J
Filtrine Mfg Co, 52 Lexington Ave, Bklyn 5, N Y
Hercules Filter Corp, 206 21 Ave, Paterson, N J
Jacoby-Tarbox Corp, 810 Nepperhan Ave, Yonkers 3, N Y
Johnson & Johnson, 4949 W 65 St, Chicago 38, Ill
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Micro Metallic Corp, 42 Sea Cliff Ave, Glen Cove, N J
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
National Filter Media Corp, 1717 Dixwell Ave, New Haven 14, Conn
National Lead Co, 111 Broadway, N Y 6
Norton Co, 1 New Bond St, Worcester 6, Mass
Ogden Filter Corp, 4214 Santa Monica Blvd, Los Angeles 29, Cal
Selas Corp of America, Erie Ave, & D St, Phila 34, Pa
T Shriver & Co, 874 Hamilton St, Harrison, N J
Sparkler Mfg Co, Mundelein, Ill
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H Reeve Angel & Co, 52 Duane St, N Y 7
Cellulo Co, 2100 1 St, Sandusky, Ohio
Enthone Inc, 442 Elm St, New Haven, Conn
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Filtrine Mfg Co, 52 Lexington Ave, Bklyn 5, N Y
Hercules Filter Corp, 206 21 Ave, Paterson, N J
F R Hormann & Co, 17 Stone St, Newark 4, N J
Jacoby-Tarbox Corp, 810 Nepperhan Ave, Yonkers 3, N Y
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Ogden Filter Corp, 4214 Santa Monica Blvd, Los Angeles 29, Cal
Carl Schleicher & Schuell Co, Keene, N H
T Shriver & Co, 874 Hamilton St, Harrison, N J
Sparkler Mfg Co, Mundelein, Ill
D R Sperry & Co, Batavia, Ill
Wm W Stanley, 401 Broadway, N Y
Stevens-Nelson Paper Corp, 109 E 31 St, N Y 16
Will Corp, Rochester 3, N Y

FILTER PLATES

Alsop Engrg Corp, Milldale, Conn
Belke Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
Chemtech Products Corp, 62 William St, N Y 8
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Hauser Stander Tank Co, 4838 Spring Grove Ave, Cincinnati, 32 Ohio
Hendrick Mfg Co, 75 Dundaff St, Carbondale, Pa
Hercules Filter Corp, 206 21 Ave, Paterson, N J
Independent Filter Press Co, 240 48 St, Bklyn 20, N Y
Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Micro Metallic Corp, 42 Sea Cliff Ave, Glen Cove, N J
J C Miller Co, 631 Chestnut S W Grand Rapids, Mich
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
Norton Co, 1 New Bond St, Worcester 6, Mass
Ogden Filter Corp, 4214 Santa Monica Blvd, Los Angeles 29, Cal
T Shriver & Co, 874 Hamilton St, Harrison, N J
Sparkler Mfg Co, Mundelein, Ill
D R Sperry & Co, Batavia, Ill
U S Hoffman Mach Co, 219 Lamson St, Syracuse 6, N Y

FILTER PRESSES, HYDRAULIC

Alsop Engrg Corp, Milldale, Conn
Bethlehem Steel Co, Bethlehem, Pa
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Independent Filter Press Co, 240 48 St, Bklyn 20 N Y
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
T Shriver & Co, 874 Hamilton St, Harrison, N J
D R Sperry & Co, Batavia, Ill

FILTER PRESSES, LABORATORY

Ace Equipment Co, 400 W Kinzie St, Chicago 10, Ill
Cellulo Co, 2100 1 St, Sandusky, Ohio
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Gallgher Co, 545 W 8 South St, Salt Lake City 4, Utah
Hercules Filter Corp, 206 21 Ave, Paterson, N J

FILTER PRESSES, LABORATORY, continued

F R Hormann & Co, 17 Stone St, Newark 4, N J
Independent Filter Press Co, 240 48 St, Bklyn 20 N Y
International Engrg, Dayton 1, Ohio
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Oliver United Filters, 2900 Glascock St, Oakland 1, Cal
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
T Shriver & Co, 874 Hamilton St, Harrison, N J
Sparkler Mfg Co, Mundelein, Ill
D R Sperry & Co, Batavia, Ill
Will Corp, Rochester 3, N Y

FILTER PRESSES, PLATE AND FRAME

Ace Equipment Co, 400 W Kinzie St, Chicago 10, Ill
Alsop Engrg Corp, Millidale, Conn
American Air Filter Co, 215 Central Ave, Louisville, Ky
American Wheelabrator & Equipment Corp, 827 S Byrkit St, Mishawaka, Ind
Berlin Chapman Co, Berlin, Wis
Cellulo Co, 2100 1 St, Sandusky, Ohio
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Hercules Filter Corp, 206 21 Ave, Paterson, N J
F R Hormann & Co, 17 Stone St, Newark 4, N J
Independent Filter Press Co, 240 48 St, Bklyn 20 N Y
International Engrg, Dayton 1, Ohio
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Ogden Filter Corp, 4214 Santa Monica Blvd, Los Angeles 29, Cal
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
T Shriver & Co, 874 Hamilton St, Harrison, N J
D R Sperry & Co, Batavia, Ill
Henry Vogt Mach Co, 10 & Crmsby Sts, Louisville 10, Ky

FILTERS

Ace Equipment Co, 400 W Kinzie St, Chicago 10, Ill
R P Adams Co, 225 E Park Dr, Buffalo 17, N Y
Alsop Engrg Corp, Millidale, Conn
American Air Filter Co, 215 Central Ave, Louisville, Ky
Belle Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
Bird Mach Co, S Walpole, Mass
Bowser Inc, 1307 E Creighton Ave, Fort Wayne, Ind
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
Cherry-Burrell Corp, 427 W Randolph St, Chicago 6, Ill
Commercial Filters Corp, 18 W 3 St, S Boston 27, Mass
Cuno Engrg Corp, 80 S Vine St, Meridan, Conn
Denver Equipment Co, 1400 17 St, Denver 17, Col
Dollinger Corp, 11 Center Park, Rochester 4, N Y
Eimco Corp, 634 S 4 St, Salt Lake City 4, Utah
Enthone Inc, 442 Elm St, New Haven, Conn
Enzinger Union Corp, Angola, N Y
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Filtrine Mfg Co, 52 Lexington Ave, Bklyn 5, N Y
Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Hercules Filter Corp, 206 21 Ave, Paterson, N J
F R Hormann & Co, 17 Stone St, Newark 4, N J
Illinois Water Treatment Co, 858 Cedar St, Rockford, Ill
Independent Filter Press Co, 240 48 St, Bklyn 20, N Y
Infilco Inc, Box 5033, Tucson, Ariz
Kaye & MacDonald, 15 Central Ave, W Orange, N J
Karl Kiefer Mach Co, 919 Martin St, Cincinnati 2, Ohio
E Leitz, 304 Hudson St, N Y 13
Micro Metallic Corp, 42 Sea Cliff Ave, Glen Cove, N J
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Neff & Frey Co, 164 Elm St, Camden, Ohio
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Ogden Filter Corp, 4214 Santa Monica Blvd, Los Angeles 29, Cal
Oliver United Filters, 33 W 42 St, N Y 18
Peterson Filters & Engrg Co, 137 Motor Ave, Salt Lake City 1, Utah
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Purolator Products, 970 New Brunswick Ave, Rahway, N J
Rol-Pak Co, 532 S Marengo Ave, Alhambra, Cal
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
T Shriver & Co, 874 Hamilton St, Harrison, N J
Sparkler Mfg Co, Mundelein, Ill
D R Sperry & Co, Batavia, Ill
L C Thomsen & Sons, 1303 43 St, Kenosha, Wis
U S Hoffman Machy Corp, 105 4 Ave, N Y 3
U S Stoneware Co, 60 E 42 St, N Y
Winslow Engrg Co, 4069 Hollis St, Oakland, Cal
York Corp, Roosevelt & P R R, York, Pa

FILTERS, ACID RESISTING

R P Adams Co, 225 E Park Dr, Buffalo 17, N Y
Alsop Engrg Corp, Millidale, Conn
Belle Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
Bird Mach Co, S Walpole, Mass
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Carborundum Co, Perth Amboy, N J
Commercial Filters Corp, 18 W 3 St, S Boston 27, Mass
Corning Glass Works, Corning, N Y
Cuno Engrg Corp, 80 S Vine St, Meridan, Conn
Denver Equipment Co, 1400 17 St, Denver 17, Col
Dollinger Corp, 11 Center Park, Rochester 4, N Y
Enthone Inc, 442 Elm St, New Haven, Conn
Enzinger Union Corp, Angola, N Y

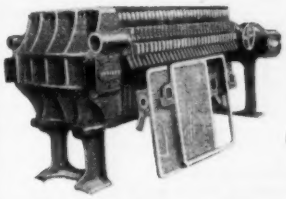
FILTERS, ACID RESISTING, continued

Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Filtration Engrs, 155 Oraton St, Newark 4, N J
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Hercules Filter Corp, 206 21 Ave, Paterson, N J
Illinois Water Treatment Co, 858 Cedar St, Rockford, Ill
Infilco Inc, Box 5033, Tucson, Ariz
Micro Metallic Corp, 42 Sea Cliff Ave, Glen Cove, N J
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Oliver United Filters, 33 W 42 St, N Y 18
Peterson Filters & Engrg Co, 137 Motor Ave, Salt Lake City 1, Utah
Purolator Products, 970 New Brunswick Ave, Rahway, N J
Rol-Pak Co, 532 S Marengo Ave, Alhambra, Cal
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
T Shriver & Co, 874 Hamilton St, Harrison, N J
Sparkler Mfg Co, Mundelein, Ill
D R Sperry & Co, Batavia, Ill
U S Stoneware Co 60 E 42 St, N Y

FILTERS, AIR

R P Adams Co, 225 E Park Dr, Buffalo 17, N Y
American Air Filter Co, 215 Central Ave, Louisville, Ky
American Wheelabrator & Equipment Corp, 827 S Byrkit St, Mishawaka, Ind
Binks Mfg Co, 3114-40 Carroll Ave, Chicago, Ill
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Commercial Filters Corp, 18 W 3 St, S Boston 27, Mass
Coppus Engrg Corp, 344 Park Ave, Worcester 2, Mass
Cuno Engrg Corp, 80 S Vine St, Meridan, Conn
Dollinger Corp, 11 Center Park, Rochester 4, N Y
Dracco Corp, 4063 E 116 St, Cleveland 5, Ohio
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Hannifin Corp, 1138 S Kilbourn Ave, Chicago 24, Ill
Kaye & MacDonald, 15 Central Ave, W Orange, N J
Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Micro Metallic Corp, 42 Sea Cliff Ave, Glen Cove, N J
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Northern Blower Co, 6418 Barberton Ave, Cleveland 2, Ohio
Owens-Corning Fiberglas Corp, Nicholas Bldg, Toledo 1, Ohio
Purolator Products, 970 New Brunswick Ave, Rahway, N J
B Rauschkolb & Co, 225 W 34 St, N Y 1
Rol-Pak Co, 532 S Marengo Ave, Alhambra, Cal

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For filtering pressures to 1000 p.s.i. and any temperature

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FILTERS, AIR, continued

Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Wm W Stanley, 401 Broadway, N Y
Otto H York Co, 69 Glenwood Pl, E Orange, N J

FILTERS, AIR (AUTOMATIC SELF-CLEANING)

R P Adams Co, 225 E Park Dr, Buffalo 17, N Y
Aerodyne Development Corp, 879 Addison Rd, Cleveland 3, Ohio
American Air Filter Co, 215 Central Ave, Louisville, Ky
Day Co, 810 3 Ave N E, Minneapolis 13, Minn
Dollinger Corp, 11 Center Park, Rochester 4, N Y
Dracco Corp, 4063 E 116 St, Cleveland 5, Ohio
Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
Northern Blower Co, 6418 Barberton Ave, Cleveland 2, Ohio
Pulverizing Machy Co, Chatham Rd, P O Box 569, Summit, N J
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Wm W Stanley, 401 Broadway, N Y

FILTERS, AIR (DRY)

R P Adams Co, 225 E Park Dr, Buffalo 17, N Y
Aerodyne Development Corp, 879 Addison Rd, Cleveland 3, Ohio
American Air Filter Co, 215 Central Ave, Louisville, Ky
American Wheelabrator & Equipment Corp, 827 S Byrkit St, Mishawaka, Ind
Binks Mfg Co, 3114-40 Carroll Ave, Chicago 12, Ill
Chicago Pneumatic Tool Co, 6 E 44 St, N Y 17
Coppus Engrg Corp, 344 Park Ave, Worcester 2, Mass
Dollinger Corp, 11 Center Park, Rochester 4, N Y
Dracco Corp, 4063 E 116 St, Cleveland 5, Ohio
Kaye & MacDonald, 15 Central Ave, W Orange, N J
Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Northern Blower Co, 6418 Barberton Ave, Cleveland 2, Ohio
Purolator Products, 970 New Brunswick Ave, Rahway, N J
B Rauschkolb & Co, 225 W 34 St, N Y 1
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Wm W Stanley, 401 Broadway, N Y
York Corp, Roosevelt & P R R, York, Pa

FILTERS, AIR (VISCOUS)

Air Devices, 17 E 42 St, N Y 17
American Air Filter Co, 205 Central Ave, Louisville, Ky
Dollinger Corp, 11 Center Park, Rochester 4, N Y
Owens-Corning Fiberglas Corp, Nicholas Bldg, Toledo 1, Ohio
Wm W Stanley, 401 Broadway, N Y

FILTERS, ASBESTOS DISC

Ace Equipment Co, 400 W Kinzie St, Chicago 10, Ill
R P Adams Co, 225 E Park Dr, Buffalo 17, N Y
Alsop Engrg Corp, Milldale, Conn
Cellulo Co, 2100 1 St, Sandusky, Ohio
Commercial Filters Corp, 18 W 3 St, S Boston 27, Mass
Eimco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Elgin Softener Corp, Elgin, Ill
Enthone Inc, 442 Elm St, New Haven, Conn
Enzinger Union Corp, Angola, N Y
Falls Industries, Aurora Rd, Solon, Ohio
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Graver Water Conditioning Co, 216 W 14 St, N Y 11
Hercules Filter Corp, 206 21 Ave, Paterson, N J
F R Hormann & Co, 17 Stone St, Newark 4, N J
Illinois Water Treatment Co, 858 Cedar St, Rockford, Ill
Infilco Inc, Box 5033, Tucson, Ariz
National Filter Corp, 147 W 22 St, N Y 11
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Ogden Filter Corp, 4214 Santa Monica Blvd, Los Angeles 29, Cal
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Sparkler Mfg Co, Mundelein, Ill

FILTERS, CARBON

Enzinger Union Corp, Angola, N Y
Hercules Filter Corp, 206 21 Ave, Paterson, N J
Sparkler Mfg Co, Mundelein, Ill
D R Sperry & Co, Batavia, Ill

FILTERS, CENTRIFUGAL

Aerodyne Development Corp, 879 Addison Rd, Cleveland 3, Ohio
Bird Mach Co, S Walpole, Mass
Graver Water Conditioning Co, 216 W 14 St, N Y 11
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich

FILTERS, CLARIFYING

Ace Equipment Co, 400 W Kinzie St, Chicago 10, Ill
R P Adams Co, 225 E Park Dr, Buffalo 17, N Y
Alsop Engrg Corp, Milldale, Conn
Bird Mach Co, S Walpole, Mass
Cellulo Co, 2100 1 St, Sandusky, Ohio
Commercial Filters Corp, 18 W 3 St, S Boston 27, Mass
Denver Equipment Co, 1400 17 St, Denver 17, Col
Eimco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Enzinger Union Corp, Angola, N Y
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Filtrine Mfg Co, 52 Lexington Ave, Bklyn 5, N Y

FILTERS, CLARIFYING, continued

Hercules Filter Corp, 206 21 Ave, Paterson, N J
F R Hormann & Co, 17 Stone St, Newark 4, N J
Illinois Water Treatment Co, 858 Cedar St, Rockford, Ill
Industrial Filter & Pump Mfg Co, 5900 Ogden Ave, Chicago 50, Ill
Infilco Inc, Box 5033, Tucson, Ariz
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Ogden Filter Corp, 4214 Santa Monica Blvd, Los Angeles 29, Cal
Oliver United Filters, 33 W 42 St, N Y 18
Peterson Filters & Engrg Co, 137 Motor Ave, Salt Lake City 1, Utah
Purolator Products, 970 New Brunswick Ave, Rahway, N J
T Shriver & Co, 874 Hamilton St, Harrison, N J
Sparkler Mfg Co, Mundelein, Ill
D R Sperry & Co, Batavia, Ill
U S Hoffman Machy Corp, 105 4 Ave, N Y 3
Williams Patent Crusher & Pulverizer Co, 813 Montgomery St, St Louis, Mo
Winslow Engrg Co, 4069 Hollis St, Oakland, Cal

FILTERS, COLOR

Corning Glass Works, Corning, N Y
Enzinger Union Corp, Angola, N Y
Independent Filter Press Co, 240 48 St, Bklyn 20, N Y
Macbeth Corp, P O Box 950, Newburgh, N Y
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
T Shriver & Co, 874 Hamilton St, Harrison, N J

FILTERS, CONTINUOUS ROTARY

Alsop Engrg Corp, Milldale, Conn
Bird Mach Co, S Walpole, Mass
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Denver Equipment Co, 1400 17 St, Denver 17, Col
Eimco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Filtration Engrs, 155 Oraton St, Newark 4, N J
Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Goslin-Birmingham Mfg Co, Box 631, Birmingham, Ala
Morse Bros Machy Co, 2900 Brighton Blvd, Denver 1, Col
Oliver United Filters, 33 W 42 St, N Y 18
Peterson Filters & Engrg Co, 137 Motor Ave, Salt Lake City 1, Utah
Whiting Corp, Swenson Evaporator Div, Harvey, Ill

FILTERS, DUST

Aerodyne Development Corp, 879 Addison Rd, Cleveland 3, Ohio
American Air Filter Co, 205 Central Ave, Louisville, Ky
American Wheelabrator & Equipment Corp, 827 S Byrkit St, Mishawaka, Ind
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
Day Co, 810 3 Ave N E, Minneapolis 13, Minn
Dollinger Corp, 11 Center Park, Rochester 4, N Y
Dracco Corp, 4063 E 116 St, Cleveland 5, Ohio
Northern Blower Co, 6418 Barberton Ave, Cleveland 2, Ohio
Owens-Corning Fiberglas Corp, Nicholas Bldg, Toledo 1, Ohio
Pangborn Corp, 210 Pangborn Blvd, Hagerstown, Md
Pulverizing Machy Co, Chatham Rd, P O Box 569, Summit, N J
W W Sly Mfg Co, 4700 Train Ave, Cleveland 2, Ohio
Wm W Stanley, 401 Broadway, N Y

FILTERS, FEED WATER

R P Adams Co, 225 E Park Dr, Buffalo 17, N Y
Bowser Inc, 1307 E Creighton Ave, Fort Wayne, Ind
Cochrane Corp, 3154 N 17 St, Phila 32, Pa
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Dollinger Corp, 11 Center Park, Rochester 4, N Y
Elgin Softener Corp, Elgin, Ill
Enzinger Union Corp, Angola, N Y
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Filtrine Mfg Co, 52 Lexington Ave, Bklyn 5, N Y
Graver Water Conditioning Co, 216 W 14 St, N Y 11
Hercules Filter Corp, 206 21 Ave, Paterson, N J
F R Hormann & Co, 17 Stone St, Newark 4, N J
Illinois Water Treatment Co, 858 Cedar St, Rockford, Ill
Infilco Inc, Box 5033, Tucson, Ariz
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Neff & Frey Co, 164 Elm St, Camden, Ohio
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Sparkler Mfg Co, Mundelein, Ill
Wm W Stanley, 401 Broadway, N Y
Winslow Engrg Co, 4069 Hollis St, Oakland, Cal

FILTERS, GAS

R P Adams Co, 225 E Park Dr, Buffalo 17, N Y
Commercial Filters Corp, 18 W 3 St, S Boston 27, Mass
Dollinger Corp, 11 Center Park, Rochester 4, N Y
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Kaye & MacDonald, 15 Central Ave, W Orange, N J
Kerotest Mfg Co, 2525 Liberty Ave, Pittsburgh 22, Pa
Micro Metallic Corp, 42 Sea Cliff Ave, Glen Cove, N J
Purolator Products, 970 New Brunswick Ave, Rahway, N J

FILTERS, GAS, continued

B Rauschkolb & Co, 225 W 34 St, N Y 1
Rol-Pak Co, 532 S Marengo Ave, Alhambra, Cal
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Wm W Stanley, 401 Broadway, N Y
Winslow Engrg Co, 4069 Hollis St, Oakland, Cal
Otto H York Co, 69 Glenwood Pl, E Orange, N J

FILTERS, GLASS FIBER

Dollinger Corp, 11 Center Park, Rochester 4, N Y
Owens-Corning Fiberglass Corp, Nicholas Bldg, Toledo 1, Ohio
Wm W Stanley, 401 Broadway, N Y

FILTERS, GRAVITY

Alsop Engrg Corp, Milldale, Conn
Commercial Filters Corp, 18 W 3 St, S Boston 27, Mass
Cuno Engrg Corp, 80 S Vine St, Meridan, Conn
Dollinger Corp, 11 Center Park, Rochester 4, N Y
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Graver Water Conditioning Co, 216 W 14 St, N Y 11
Hercules Filter Corp, 206 21 Ave, Paterson, N J
Infilco Inc, Box 5033, Tucson, Ariz
Oliver United Filters, 33 W 42 St, N Y 18
Sparkler Mfg Co, Mundelein, Ill
Wm W Stanley, 401 Broadway, N Y
U S Stoneware Co, 60 E 42 St, N Y
Winslow Engrg Co, 4069 Hollis St, Oakland, Cal

FILTERS, JACKETED

R P Adams Co, 225 E Park Dr, Buffalo 17, N Y
Alsop Engrg Corp, Milldale, Conn
Bird Mach Co, S Walpole, Mass
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Commercial Filters Corp, 18 W 3 St, S Boston 27, Mass
Cuno Engrg Corp, 80 S Vine St, Meridan, Conn
Dollinger Corp, 11 Center Park, Rochester 4, N Y
Enzinger Union Corp, Angola, N Y
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Filtrine Mfg Co, 52 Lexington Ave, Bklyn 5, N Y
Hercules Filter Corp, 206 21 Ave, Paterson, N J
Micro Metallic Corp, 42 Sea Cliff Ave, Glen Cove, N J
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Oliver United Filters, 33 W 42 St, N Y 18
T Shriver & Co, 874 Hamilton St, Harrison, N J
Sparkler Mfg Co, Mundelein, Ill
Winslow Engrg Co, 4069 Hollis St, Oakland, Cal

FILTERS, LABORATORY

Ace Equipment Co, 400 W Kinzie St, Chicago 10, Ill
R P Adams Co, 225 E Park Dr, Buffalo 17, N Y
Alsop Engrg Corp, Milldale, Conn
Bethlehem Apparatus Co, 890 Front St, Hellertown, Pa
Bird Mach Co, S Walpole, Mass
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Cellulo Co, 2100 1 St, Sandusky, Ohio
Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Commercial Filters Corp, 18 W 3 St, S Boston 27, Mass
Corning Glass Works, Corning, N Y
Denver Equipment Co, 1400 17 St, Denver 17, Col
Dollinger Corp, 11 Center Park, Rochester 4, N Y
Eimco Corp 634 S 4 St, Salt Lake City 4, Utah
Enzinger Union Corp, Angola, N Y
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Gallgher Co, 921 Bergen St, Jersey City 6, N J
Hercules Filter Corp, 206 21 Ave, Paterson, N J
F R Hormann & Co, 17 Stone St, Newark 4, N J
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Oliver United Filters, 33 W 42 St, N Y 18
Purolator Products, 970 New Brunswick Ave, Rahway, N J
B Rauschkolb & Co, 225 W 34 St, N Y 1
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
T Shriver & Co, 874 Hamilton St, Harrison, N J
Sparkler Mfg Co, Mundelein, Ill
D R Sperry & Co, Batavia, Ill
U S Stoneware Co, 60 E 42 St, N Y

FILTERS, LEAF

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Denver Equipment Co, 1400 17 St, Denver 17, Col
Eimco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Enzinger Union Corp, Angola, N Y
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Goslin-Birmingham Mfg Co, Box 631, Birmingham, Ala
Hercules Filter Corp, 206 21 Ave, Paterson, N J
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
Neff & Frey Co, 164 Elm St, Camden, Ohio
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
H W North, E 13 & Parade Sts, Erie, Pa
Oliver United Filters, 33 W 42 St, N Y 18
U S Hoffman Mach Co, 219 Lamson St, Syracuse 6, N Y

FILTERS, MAGNETIC

Andale Co, 1740 Cherry St, Phila 3, Pa
Eriez Mfg Co, 629 Commerce Bldg, Erie, Pa
Stearns Magnetic Mfg Co, 672 S 28 St, Milwaukee 46, Wis
U S Hoffman Mach Co, 219 Lamson St, Syracuse 6, N Y
Winslow Engrg Co, 4069 Hollis St, Oakland, Cal

FILTERS, OIL

Alsop Engrg Corp, Milldale, Conn
Bowser Inc, 1307 E Creighton Ave, Fort Wayne, Ind
Cellulo Co, 2100 1 St, Sandusky, Ohio
Cochrane Corp, 3154 N 17 St, Phila 32, Pa
Commercial Filters Corp, 18 W 3 St, S Boston 27, Mass
Cuno Engrg Corp, 80 S Vine St, Meridan, Conn
Dollinger Corp, 11 Center Park, Rochester 4, N Y
Enzinger Union Corp, Angola, N Y
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Graver Water Conditioning Co, 216 W 14 St, N Y 11
Gen American Transportation Corp, Field Bldg, Chicago 90, Ill
Hercules Filter Corp, 206 21 Ave, Paterson, N J
Hilliard Corp, 102 W 4 St, Elmira, N Y
C O Jelliff Mfg Corp, 200 Pequot Rd, Southport, Conn
Kaye & MacDonald, 15 Central Ave, W Orange, N J
Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
Micro Metallic Corp, 42 Sea Cliff Ave, Glen Cove, N J
Neff & Frey Co, 164 Elm St, Camden, Ohio
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Oliver United Filters, 33 W 42 St, N Y 18
Purolator Products, 970 New Brunswick Ave, Rahway, N J
Rol-Pak Co, 532 S Marengo Ave, Alhambra, Cal
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
T Shriver & Co, 874 Hamilton St, Harrison, N J
Sparkler Mfg Co, Mundelein, Ill
D R Sperry & Co, Batavia, Ill
U S Hoffman Machy Corp, 105 4 Ave, N Y 3
Winslow Engrg Co, 4069 Hollis St, Oakland, Cal

FILTERS, PAINT AND VARNISH

Alsop Engrg Corp, Milldale, Conn
Binks Mfg Co, 3114-40 Carroll Ave, Chicago, Ill
Commercial Filters Corp, 18 W 3 St, S Boston 27, Mass
Cuno Engrg Corp, 80 S Vine St, Meridan, Conn
Dollinger Corp, 11 Center Park, Rochester 4, N Y
Elmco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Enzinger Union Corp, Angola, N Y
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Hercules Filter Corp, 206 21 Ave, Paterson, N J
Kaye & MacDonald, 15 Central Ave, W Orange, N J
Neff & Frey Co, 164 Elm St, Camden, Ohio
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Oliver United Filters, 2900 Glascock St, Oakland 1, Cal
Purolator Products, 970 New Brunswick Ave, Rahway, N J
T Shriver & Co, 874 Hamilton St, Harrison, N J
Sparkler Mfg Co, Mundelein, Ill
D R Sperry & Co, Batavia, Ill

FILTERS, PILOT

R P Adams Co, 225 E Park Dr, Buffalo 17, N Y
Alsop Engrg Corp, Milldale, Conn
Bird Mach Co, S Walpole, Mass
Cellulo Co, 2100 1 St, Sandusky, Ohio
Dollinger Corp, 11 Center Park, Rochester 4, N Y
Elmco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Enzinger Union Corp, Angola, N Y
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Filtration Engrs, 155 Oraton St, Newark 4, N J
Hercules Filter Corp, 206 21 Ave, Paterson, N J
F R Hormann & Co, 17 Stone St, Newark 4, N J
Kaye & MacDonald, 15 Central Ave, W Orange, N J
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Oliver Uniter Filters, 33 W 42 St, N Y 18
Peterson Filters & Engrg Co, 137 Motor Ave, Salt Lake City 1, Utah
B Rauschkolb & Co, 225 W 34 St, N Y 1
T Shriver & Co, 874 Hamilton St, Harrison, N J
Sparkler Mfg Co, Mundelein, Ill
D R Sperry & Co, Batavia, Ill

FILTERS, PLATING

R P Adams Co, 225 E Park Dr, Buffalo 17, N Y
Alsop Engrg Corp, Milldale, Conn
American Hard Rubber Co, 11 Mercer St, N Y 13
Belke Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
Cellulo Co, 2100 1 St, Sandusky, Ohio
Commercial Filters Corp, 18 W 3 St, S Boston 27, Mass
Enthone Inc, 442 Elm St, New Haven, Conn
Enzinger Union Corp, Angola, N Y
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Hercules Filter Corp, 206 21 Ave, Paterson, N J
Industrial Filter & Pump Mfg Co, 5900 Ogden Ave, Chicago 50, Ill
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
T Shriver & Co, 874 Hamilton St, Harrison, N J
Sparkler Mfg Co, Mundelein, Ill
D R Sperry & Co, Batavia, Ill

FILTERS, PRE-COAT

R P Adams Co, 225 E Park Dr, Buffalo 17, N Y
Bowser Inc, 1307 E Creighton Ave, Fort Wayne, Ind
Cellulo Co, 2100 1 St, Sandusky, Ohio
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Elmco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Enginzer Union Corp, Angola, N Y
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Gen American Transportation Corp, Field Bldg, Chicago, Ill
Graver Water Conditioning Co, 216 W 14 St, N Y 11
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Hercules Filter Corp, 206 21 Ave, Paterson, N J

FILTERS, PRE-COAT, continued

Independent Filter Press Co, 240 48 St, Bklyn 20, N Y
Neff & Frey Co, 164 Elm St, Camden, Ohio
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Ogden Filter Corp, 4214 Santa Monica Blvd, Los Angeles 29, Cal
Oliver United Filters, 33 W 42 St, N Y 18
Peterson Filters & Engrg Co, 137 Motor Ave, Salt Lake City 1, Utah
T Shriver & Co, 874 Hamilton St, Harrison, N J
Sparkler Mfg Co, Mundelein, Ill
D R Sperry & Co, Batavia, Ill
U S Hoffman Machy Corp, 105 4 Ave, N Y 3

FILTERS, PRESSURE

R P Adams Co, 225 E Park Dr, Buffalo 17, N Y
Alsop Engrg Corp, Milldale, Conn
Bowser, Inc, 1307 E Creighton Ave, Fort Wayne, Ind
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Butler Mfg Co, 7400 E 13 St, Kansas City Mo
Cellulo Co, 2100 1 St, Sandusky, Ohio
Cochrane Corp, 3154 N 17 St, Phila 32, Pa
Commercial Filters Corp, 18 W 3 St, S Boston 27, Mass
Dollinger Corp, 11 Center Park, Rochester 4, N Y
Enzinger Union Corp, Angola, N Y
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Filtrine Mfg Co, 52 Lexington Ave, Bklyn 5, N Y
Gallgher Co, P O Box 209, Salt Lake City 4, Utah
Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Goslin-Birmingham Mfg Co, Box 631, Birmingham, Ala
Graver Water Conditioning Co, 216 W 14 St, N Y 11
Hercules Filter, Corp, 206 21 Ave, Paterson, N J
Hilliard Corp, 102 W 4 St, Elmira, N Y
Illinois Water Treatment Co, 858 Cedar St, Rockford, Ill
Industrial Filter & Pump Mfg Co, 5900 Ogden Ave, Chicago 50, Ill
Infilco Inc, Box 5033, Tucson, Ariz
Kaye & MacDonald, 15 Central Ave, W Orange, N J
Micro Metallic Corp, 42 Sea Cliff Ave, Glen Cove, N J
Neff & Frey Co, 164 Elm St, Camden, Ohio
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
H W North Co, E 13 & Parade Sts, Erie, Pa
Ogden Filter Corp, 4214 Santa Monica Blvd, Los Angeles 29, Cal.
Oliver United Filters, 33 W 42 St, N Y 18
Peterson Filters & Engrg Co, 137 Motor Ave, Salt Lake City 1, Utah
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
T Shriver & Co, 874 Hamilton St, Harrison, N J
Sparkler Mfg Co, Mundelein, Ill
D R Sperry & Co, Batavia, Ill
U S Hoffman Machy Corp, 105 4 Ave, N Y 3
U S Stoneware Co, 60 E 42 St, N Y

FILTERS, REFRIGERATED

Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Enzinger Union Corp, Angola, N Y
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Oliver United Filters, 33 W 42 St, N Y 18
T Shriver & Co, 874 Hamilton St, Harrison, N J
Sparkler Mfg Co, Mundelein, Ill

FILTERS, SAND

Cochrane Corp, 3154 N 17 St, Phila 32, Pa
Denver Equipment Co, 1400 17 St, Denver 17, Col
Elgin Softener Corp, Elgin, Ill
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Graver Water Conditioning Co, 216 W 14 St, N Y 11
Hardinge Co 240 Arch St, York, Pa
Infilco Inc, Box 5033, Tucson, Ariz
Illinois Water Treatment Co, 858 Cedar St, Rockford, Ill
Peterson Filters & Engrg Co, 137 Motor Ave, Salt Lake City 1, Utah
Walker Process Equipment Co, 518 Hauks St, Aurora, Ill

FILTERS, STEAM HEATED

Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Dollinger Corp, 11 Center Park, Rochester 4, N Y
Enzinger Union Corp, Angola, N Y
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Hercules Filter Corp, 206 21 Ave, Paterson, N J
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Oliver United Filters, 33 W 42 St, N Y 18
T Shriver & Co, 874 Hamilton St, Harrison, N J
Sparkler Mfg Co, Mundelein, Ill
D R Sperry & Co, Batavia, Ill
Winslow Engrg Co, 4069 Hollis St, Oakland, Cal

FILTERS, SUCTION (ACID PROOF STONEWARE)

Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
U S Stoneware Co, 60 E 42 St, N Y

FILTERS, VACUUM

Alsop Engrg Corp, Milldale, Conn
Bird Mach Co, S Walpole, Mass
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Denver Equipment Co, 1400 17 St, Denver 17, Col
Dollinger Corp, 11 Center Park, Rochester 4, N Y
Elmco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Filtration Engrs, 155 Oraton St, Newark 4, N J
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa

FILTERS, VACUUM, continued

Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Goslin-Birmingham Mfg Co, Box 631, Birmingham, Ala
Hauser Stander Tank Co, 4838 Spring Grove Ave, Cincinnati 32, Ohio
Komline-Sanderson Engrg Corp, Peapack, N J
Micro Metallic Corp, 42 Sea Cliff Ave, Glen Cove, N J
Oliver United Filters, 33 W 42 St, N Y 18
Peterson Filters & Engrg Co, 137 Motor Ave, Salt Lake City 1, Utah
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
U S Hoffman Mach Co, 219 Lamson St, Syracuse 6, N Y
U S Stoneware Co, 60 E 42 St, N Y
Whiting Corp, Swenson Evaporator Div, Harvey, Ill

FILTERS, VINYON FABRIC

Dollinger Corp, 11 Center Park, Rochester 4, N Y
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Hercules Filter Corp, 206 21 Ave, Paterson, N J
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
National Filter Media Corp, 1717 Dixwell Ave, New Haven 14, Conn
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
T Shriver & Co, 874 Hamilton St, Harrison, N J
Sparkler Mfg Co, Mundelein, Ill

FILTERS, WATER

R P Adams Co, 225 E Park Dr, Buffalo 17, N Y
Alsop Engrg Corp, Milldale, Conn
Bowser Inc, 1307 E Creighton Ave, Fort Wayne, Ind
Cochrane Corp, 3154 N 17 St, Phila 32, Pa
Commercial Filters Corp, 18 W 3 St, S Boston 27, Mass
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Cuno Engrg Corp, 80 S Vine St, Meridan, Conn
Dollinger Corp, 11 Center Park, Rochester 4, N Y
Elgin Softener Corp, Elgin, Ill
Enzinger Union Corp, Angola, N Y
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Filtrine Mfg Co, 52 Lexington Ave, Bklyn 5, N Y
Oscar Fisher Co, 1000 N Div St, Peekskill, N Y
Graver Water Conditioning Co, 216 W 14 St, N Y 11
Hercules Filter Corp, 206 21 Ave, Paterson, N J
F R Hormann & Co, 17 Stone St, Newark 4, N J
Illinois Water Treatment Co, 858 Cedar St, Rockford, Ill
Infilco Inc, Box 5033, Tucson, Ariz
Kaye & MacDonald, 15 Central Ave, W Orange, N J
Neff & Frey Co, 164 Elm St, Camden, Ohio
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Micro Metallic Corp, 42 Sea Cliff Ave, Glen Cove, N J
Ogden Filter Corp, 4214 Santa Monica Blvd, Los Angeles 29, Cal
Peterson Filters & Engrg Co, 137 Motor Ave, Salt Lake City 1, Utah
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Purolator Products, 970 New Brunswick Ave, Rahway, N J
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Sparkler Mfg Co, Mundelein, Ill
U S Hoffman Mach Co, 219 Lamson St, Syracuse 6, N Y
Walker Process Equipment Co, 518 Hauks St, Aurora, Ill
Winslow Engrg Co, 4069 Hollis St, Oakland, Cal

FIRE BLANKETS

Davis Emergency Equipment Co, 43 Halleck St, Newark 4, N J
Industrial Products Co, 3015 N 4 St, Phila 33, Pa
Mine Safety Appliance Co, Braddock Ave, Pittsburgh 8, Pa
Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio
Wm W Stanley, 401 Broadway, N Y

FIRE DETECTORS

American LaFrance Foamite Corp, Elmira, N Y
Davis Emergency Equipment Co, 43 Halleck St, Newark 4, N J
Fenwal Inc, 215 Pleasant St, Ashland, Mass
Grinnell Co, 260 W Exchange St, Providence 1, R I
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa

FIRST AID EQUIPMENT

American LaFrance Foamite Corp, Elmira, N Y
E D Bullard Co, 275 8 St, San Francisco 3, Cal
Davis Emergency Equipment Co, 43 Halleck St, Newark 4, N J
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Industrial Products Co, 3015 N 4 St, Phila 33, Pa
Mine Safety Appliance Co, Braddock Ave, Pittsburgh 8, Pa
Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio
Will Corp, Rochester 3, N Y

BUYERS' GUIDE ISSUE

FITTINGS

Aeroquip Corp, 300 S East Ave, Jackson, Mich
American Chain & Cable Co, R-P & C Valve Div, Reading, Pa
American Flange & Mfg Co, 30 Rockefeller Plaza, N Y 20
American Hard Rubber Co, 11 Mercer St, N Y 13
Appleton Elec Co, 1713 W Wellington Ave, Chicago 13, Ill
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
J B Beaird Co, 6200 St Vincent Ave, Shreveport, La
Carlon Products Corp, 10225 Meech Ave, Cleveland 5, Ohio
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Chiksan Co, Brea, Cal
James B Clow & Sons, 201-299 N Talman Ave, Chicago 80, Ill
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Crawford Fitting Co, 884 E 140 St, Cleveland, Ohio
Eagle-Picher Co, American Bldg, Cincinnati 1, Ohio
Frick Co, Waynesboro, Pa
Gen American Transportation Corp, Field Bldg, Chicago 90, Ill
Grinnell Co, 260 W Exchange St, Providence 1, R I
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
International Nickel Co, 67 Wall St, N Y 5
Kennedy Valve Mfg Co, 1021 E Water St, Elmira, N Y
Key Co, 2701 McCasland, E St Louis, Ill
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
Kuhns Bros Co, 1824 McCall St, Dayton 1, Ohio
Ladish Co, Cudahy, Wis
Lead Lined Iron Pipe Co, Wakefield, Mass
A B Murray Co, 649 Green Lane, Elizabeth, N J
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Ohio Steel Foundry Co, Springfield, Ohio
Horace T Potts Co, Erie Ave & D St, Phila, Pa
Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14, Ill
Stockham Valves & Fittings, P O Box 2592, Birmingham 2, Ala
Taylor Forge & Pipe Works, P O Box 485, Chicago 90, Ill
Vapor Recovery Systems Co, 2820 N Alameda St, Compton 2, Cal
Walworth Co, 60 E 42 St, N Y 17
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

FITTINGS, ALUMINUM, BRONZE

Aeroquip Corp, 300 S East Ave, Jackson, Mich
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Apex Non-Ferrous Foundry, 7424 Bessemer Ave, Cleveland 27, Ohio
Appleton Elec Co, 1713 W Wellington Ave, Chicago 13, Ill
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Chiksan Co, Brea, Cal
Crawford Fitting Co, 884 E 140 St, Cleveland, Ohio
Grinnell Co, 260 W Exchange St, Providence 1, R I
Kennedy Valve Mfg Co, 1021 E Water St, Elmira, N Y
Ladish Co, Cudahy, Wis
Ohio Steel Foundry Co, Springfield, Ohio
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
Reynolds Metal Co, 2500 S 3 St, Louisville, Ky
Taylor Forge & Pipe Works, P O Box 485, Chicago 90, Ill
Walworth Co, 60 E 42 St, N Y 17
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

FITTINGS, FLANGED

American Chain & Cable Co, R-P & C Valve Div, Reading, Pa
American Hard Rubber Co, 11 Mercer St, N Y 13
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
J B Beaird Co, 6200 St Vincent Ave, Shreveport, La
Camco Products, 25 Fox St, New Haven, Conn
Cameron Iron Works, Katy at Silber Rd, P O Box 1212, Houston 1, Tex
Chiksan Co, Brea, Cal
James B Clow & Sons, 201-299 N Talman Ave, Chicago 80, Ill
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Frick Co, Waynesboro, Pa
Grinnell Co, 260 W Exchange St, Providence 1, R I
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
International Nickel Co, 67 Wall St, N Y 5
Jerguson Gage & Valve Co, Somerville, Mass
Kennedy Valve Mfg Co, 1021 E Water St, Elmira, N Y
Kuhns Bros Co, 1824 McCall St, Dayton 1, Ohio
Lead Lined Iron Pipe Co, Wakefield, Mass
A B Murray Co, 649 Green Lane, Elizabeth, N J
Ohio Steel Foundry Co, Springfield, Ohio
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
Stockham Valves & Fittings, P O Box 2592, Birmingham 2, Ala
U S Pipe & Foundry Co, Pearl St, Burlington, N J
Walworth Co, 60 E 42 St, N Y 17
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

FITTINGS, HARD RUBBER

American Hard Rubber Co, 11 Mercer St, N Y 13
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Enthone Inc, 442 Elm St, New Haven, Conn
Luzerne Rubber Co, Trenton 7, N J
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Stokes Molded Products, Trenton 4, N J

FITTINGS, HIGH PRESSURE

American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
Autoclave Engrs, 860 E 19 St, Erie, Pa
J B Beaird Co, 6200 St Vicent Ave, Shreveport, La
Bonney Forge & Tool Works, Durham & Meadow Sts, Allentown, Pa
Cameron Iron Works, Katy at Silber Rd, P O Box 1212, Houston 1, Tex
Chiksan Co, Brea, Cal
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Crawford Fitting Co, 884 E 140 St, Cleveland, Ohio
Grinnell Co, 260 W Exchange St, Providence 1, R I
Key Co, 2701 McCasland, E St Louis, Ill
Kuhns Bros, 1824 McCall St, Dayton 1, Ohio
Ladish Co, Cudahy, Wis
Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
A B Murray Co, 649 Green Lane, Elizaeth, N J
Parker Appliance Co, 17325 Euclid Ave, Cleveland 12, Ohio
Special Screw Products Co, 5445 Dunham Rd, Bedford, Ohio
Taylor Forge & Pipe Works, P O Box 485, Chicago 90, Ill
Henry Vogt Mach Co, 10 & Ormsby St, Louisville 10, Ky
Walworth Co, 60 E 42 St, N Y 17
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

FITTINGS, PIPE

Aeroquip Corp, 300 S East Ave, Jackson, Mich
American Chain & Cable Co, R-P & C Valve Div, Reading, Pa
American Hard Rubber Co, 11 Mercer St, N Y 13
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
J B Beaird Co, 6200 St Vincent Ave, Shreveport, La
Bonney Forge & Tool Works, Durham & Meadow Sts, Allentown, Pa
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Carlon Products Corp, 10225 Meech Ave, Cleveland 5, Ohio
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Chiksan Co, Brea, Cal
James B Clow & Sons, 201-299 N Talman Ave, Chicago 80, Ill
Cooper Alloy Foundry Co, 130 Bloy St, Hillside 5, N J
Corning Glass Works, Corning, N Y
Crane Co, 835 S Mich Ave, Chicago 5, Ill
Dresser Industries, Bradford, Pa
Stanley G Flagg & Co, 1421 Chestnut St, Phila 2, Pa
Frick Co, Waynesboro, Pa
Grinnell Co, 260 W Exchange St, Providence 1, R I
Gustin-Bacon Mfg Co, 1412 W 12 St, Kansas City 7, Mo
Haynes Stellite Co, 30 E 42 St, N Y 17
Illinois Elec Porcelain Co, Box 272, Macomb, Ill
Kennedy Valve Mfg Co, 1021 E Water St, Elmira, N Y
Kuhns Bros Co, 1824 McCall St, Dayton 1, Ohio
Ladish Co, Cudahy, Wis
Lead Lined Iron Pipe Co, Wakefield, Mass
Mich Pipe Co, Bay City, Mich
A B Murray Co, 649 Green Lane, Elizabeth, N J
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Ohio Steel Foundry Co, Fittings Div, W 4 St, Lima, Ohio
Horace T Potts Co, Erie Ave & D St, Phila, Pa
Stockham Valves & Fittings, P O Box 2592, Birmingham 2, Ala
Taylor Forge & Pipe Works, P O Box 485, Chicago 90, Ill
U S Pipe & Foundry Co, Pearl St, Burlington, N J
Vilter Mfg Co, 2117 S 1 St, Milwaukee 7, Wis
Walworth Co, 60 E 42 St, N Y 17
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio
York Corp, Roosevelt & P R R, York, Pa

FITTINGS, SANITARY

Alloy Products Co, 1045 Perkins Ave, Waukesha, Wis
Cherry-Burrell Corp, 427 W Randolph St, Chicago 6, Ill
Chiksan Co, Brea, Cal
Corning Glass Works, Corning, N Y
Duriron Co, 450 N Finley St, Dayton 1, Ohio
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Kuhns Bros Co, 1824 McCall St, Dayton 1, Ohio
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Horace T Potts Co, Erie Ave & D St, Phila, Pa
Stockham Valves & Fittings, P O Box 2592, Birmingham 2, Ala
L C Thomsen & Sons, 1303 43 St, Kenosha, Wis

FITTINGS, SEAMLESS

Crane Co, 836 S Mich Ave, Chicago 5, Ill
Crawford Fitting Co, 884 E 140 St, Cleveland, Ohio
Grinnell Co, 260 W Exchange St, Providence 1, N Y
Ladish Co, Cudahy, Wis
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
A B Murray Co, 649 Green Lane, Elizabeth, N J
Special Screw Products Co, 5445 Dunham Rd, Bedford, Ohio
Taylor Forge & Pipe Works, P O Box 485, Chicago 90, Ill
Tri-Clover Mach Co, Kenosha, Wis
Walworth Co, 60 E 42 St, N Y 17
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

FITTINGS, STAINLESS STEEL

Aeroquip Corp, 300 S East Ave, Jackson, Mich
Alloy Products Co, 1045 Perkins Ave, Waukesha, Wis
Autoclave Engrs, 860 E 19 St, Erie, Pa
J B Beaird Co, 6200 St Vincent Ave, Shreveport, La
Bonney Forge & Tool Works, Durham & Meadow Sts, Allentown, Pa
Camco Products, 25 Fox St, New Haven, Conn
Chiksan Co, Brea, Cal
Cooper Alloy Foundry Co, 130 Bloy St, Hillside 5, N J
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Crawford Fitting Co, 884 E 140 St, Cleveland, Ohio
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Gen Alloys Co, 405 W 1 St, Boston, Mass
Jerguson Gage & Valve Co, Somerville, Mass
Key Co, 2701 McCasland, E St Louis, Ill
Ladish Co, Cudahy, Wis
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
A B Murray Co, 649 Green Lane, Elizabeth, N J
Ohio Steel Foundry Co, Fittings Div, W 4 St, Lima, Ohio
Parker Appliance Co, 17325 Euclid Ave, Cleveland 12, Ohio
Horace T Potts Co, Erie Ave & D St, Phila, Pa
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
Special Screw Products Co, 5445 Dunham Rd, Bedford, Ohio
Taylor Forge & Pipe Works, P O Box 485, Chicago 90, Ill
L C Thomsen & Sons, 1303 43 St, Kenosha, Wis
Tri-Clover Mach Co, Kenosha, Wis
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio
Welding Fittings Corp, P O Box 860, New Castle, Pa
Wiley Alloy Tube Co, 600 W 138 St, Riverdale, Ill
J A Zurn Mfg Co, 1801 Pittsburgh Ave, Erie, Pa

FITTINGS, TANK

American Hard Rubber Co, 11 Mercer St, N Y 13
Bonney Forge & Tool Works, Durham & Meadow Sts, Allentown, Pa
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Crawford Fitting Co, 880 E 140 S, Cleveland, Ohio
Edgemoor Iron Works, Edgemoor, Del
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Johnston & Jennings Co, 4700 W Div St, Chicago 51, Ill
Ladish Co, Cudahy, Wis
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
J C Miller Co, 31 Chestnut S W, Grand Rapids, Mich
A B Murray Co, 649 Green Lane, Elizabeth, N J
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
L C Thomsen & Sons, 1303 43 St, Kenosha, Wis
Vapor Recovery Systems Co, 2820 N Alamada St, Compton 2, Cal
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

FITTINGS, VACUUM

Chiksan Co, Brea, Cal
Crawford Fitting Co, 884 E 140 St, Cleveland, Ohio
Distillation Products Industries, Rochester 3, N Y
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
A B Murray Co, 649 Green Lane, Elizabeth, N J
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

FITTINGS, WELDING

Bonney Forge & Tool Works, Durham & Meadow Sts, Allentown, Pa
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Crawford Fitting Co, 884 E 140 St, Cleveland, Ohio
Dresser Industries, Bradford, Pa
Edgemoor Iron Works, Edgemoor, Del
Frick Co, Waynesboro, Pa
Grinnell Co, 260 W Exchange St, Providence 1, R I
Haynes Stellite Co, 30 E 42 St, N Y 17
Key Co, 2701 McCasland, E St Louis, Ill
Ladish Co, Cudahy, Wis
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Midwest Piping & Supply Co, 1450 S 2 St, St Louis 4, Mo
A B Murray Co, 649 Green Lane, Elizabeth, N J
Ohio Steel Foundry Co, Fittings Div, W 4 St, Lima, Ohio
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
Taylor Forge & Pipe Works, P O Box 485, Chicago 90, Ill
Tube Turns, 224 Broadway, Louisville 1, Ky
Vilter Mfg Co, 2117 S 1 St, Milwaukee 7, Wis
Walworth Co, 60 E 42 St, N Y 17
Welding Fittings Corp, P O Box 860, New Castle, Pa
York Corp, Roosevelt & P R R, York, Pa

FITTINGS, WELDING CARBON STEEL

Bonney Forge & Tool Works, Durham & Meadow Sts, Allentown, Pa
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Crawford Fitting Co, 884 E 140 St, Cleveland, Ohio
Dresser Industries, Bradford, Pa
Edgemoor Iron Works, Edgemoor, Del
Grinnell Co, 260 W Exchange St, Providence 1, R I
Ladish Co, Cudahy, Wis

FITTINGS, WELDING CARBON STEEL, continued

Marine Fabricators Co, 1010 State St, Perth Amboy, N J
Midwest Piping & Supply Co, 1450 S 2 St, St Louis 4, Mo
A B Murray Co, 649 Green Lane, Elizabeth, N J
Ohio Steel Foundry Co, Fittings Div, W 4 St, Lima, Ohio
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
Taylor Forge & Pipe Works, P O Box 485, Chicago 90, Ill
M H Treadwell Co, 140 Cedar St, N Y 6
Vilter Mfg Co, 2117 S 1 St, Milwaukee 7, Wis
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky

FITTINGS, WELDING STAINLESS STEEL

Alloy Products Co, 1045 Perkins Ave, Waukesha, Wis
Bonney Forge & Tool Works, Durham & Meadow Sts, Allentown, Pa
Camco Products, 25 Fox St, New Haven, Conn
Cooper Alloy Foundry Co, 130 Bloy St, Hillside 5, N J
Crane Co, 836 Mich Ave, Chicago 5, Ill
Crawford Fitting Co, 882 E 140 St, Cleveland, Ohio
Edgemoor Iron Works, Edgemoor, Del
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Key Co, 2701 McCasland, E St Louis, Ill
Ladish Co, Cudahy, Wis
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Midwest Piping & Supply Co, 1450 S 2 St, St Louis 4, Mo
A B Murray Co, 649 Green Lane, Elizabeth, N J
Ohio Steel Foundry Co, Fittings Div, W 4 St, Lima, Ohio
Horace T Potts Co, Erie Ave & D St, Phila, Pa
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
Taylor Forge & Pipe Works, P O Box 485, Chicago 90, Ill
Tri-Clover Mach Co, Kenosha, Wis
Tube Turns, 224 Broadway, Louisville 1, Ky
Welding Fittings Corp, P O Box 860, New Castle, Pa
Wiley Alloy Tube Co, 600 W 138 St, Riverdale, Ill
J A Zurn Mfg Co, 1801 Pittsburgh Ave, Erie, Pa

FLAKERS

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Goslin-Birmingham Mfg Co, Box 631, Birmingham, Ala

FLAME ARRESTERS

Aerodyne Development Corp, 879 Addison Rd, Cleveland 3, Ohio
Allen-Sherman-Hoff Co, 259 E Lancaster Ave, Wynnewood, Pa
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
E I Du Pont de Nemours & Co, Grasselli Chem Dept, Wilmington 98, Del
Johnston & Jennings Co, 4700 W Div St, Chicago 51, Ill
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
Protectoseal Co, 1904 S Western Ave, Chicago 8, Ill
Otto H York Co, 69 Glenwood Pl, E Orange, N J

FLANGES, FORGED STEEL

Bonney Forge & Tool Works, Durham & Meadow Sts, Allentown, Pa
Cameron Iron Works, Katy at Silber Rd, P O Box 1212, Houston 1, Tex
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Dresser Industries, Bradford, Pa
Grinnell Co, 260 W Exchange St, Providence 1, R I
Ladish Co, Cudahy, Wis
Lead Lined Iron Pipe Co, Wakefield, Mass
Midwest Piping & Supply Co, 1450 S 2 St, St Louis 4, Mo
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
A B Murray Co, 649 Green Lane, Elizabeth, N J
Sentinel Glass Co, Box 58, Hatboro, Pa
Taylor Forge & Pipe Works, P O Box 485, Chicago 90, Ill
Tube Turns, 224 Broadway, Louisville 1, Ky
U S Steel Supply Co, 208 LaSalle St, Chicago 4, Ill
Vilter Mfg Co, 2117 S 1 St, Milwaukee 7, Wis
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
Walworth Co, 60 E 42 St, N Y 17
Wiley Alloy Tube Co, 600 W 138 St, Riverdale, Ill

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American Hard Rubber Co, 11 Mercer St, N Y 13
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Bonney Forge & Tool Works, Durham & Meadow Sts, Allentown, Pa
James B Clow & Sons, 201-299 N Talman Ave, Chicago 80, Ill
Cooper Alloy Foundry Co, 130 Bloy St, Hillside 5, N J
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Frick Co, Waynesboro, Pa
Grinnell Co, 260 W Exchange St, Providence 1, R I
Haynes Stellite Co, 30 E 42 St, N Y 17
Kennedy Valve Mfg Co, 1021 E Water St, Elmira, N Y
Kuhns Bros Co, 1824 McCall St, Dayton 1, Ohio
Ladish Co, Cudahy, Wis
Lead Lined Iron Pipe Co, Wakefield, Mass
Luzerne Rubber Co, Trenton 7, N J
Midwest Piping & Supply Co, 1450 S 2 St, St Louis 4, Mo
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Horace T Potts Co, Erie Ave & D St, Phila, Pa
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
Sentinel Glass Co, Box 58, Hatboro, Pa
Stockham Valves & Fittings, P O Box 2592, Birmingham 2, Ala
Taylor Forge & Pipe Works, P O Box 485, Chicago 90, Ill
U S Pipe & Foundry Co, Pearl St, Burlington, N J
U S Steel Supply Co, 208 S LaSalle St, Chicago 4, Ill
Vilter Mfg Co, 2117 S 1 St, Milwaukee 7, Wis
Walworth Co, 60 E 42 St, N Y 17
York Corp, Roosevelt & P R R, York, Pa

FLOATS

Armstrong Cork Co, 985 Concord Ave, Lancaster, Pa
Black, Sivalls & Bryson Eng, 15 N Cincinnati St, Tulsa, Okla
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Kaye & MacDonald, 15 Central Ave, W Orange, N J
W H Nicholson & Co, 196 Oregon St, Wilkes-Barre, Pa
Stokes Molded Products, Trenton 4, N J
York Corp, Roosevelt & P R R, York, Pa

FLOORING, ACID-PROOF

Armstrong Cork Co, 985 Concord Ave, Lancaster, Pa
Atlas Mineral Products Co, Mertztown, Pa
Ceilcote Co, 4832 Ridge Rd, Cleveland 9, Ohio
Chemsteel Construction Co, 500 Chemsteel Bldg, Pittsburgh 32, Pa
Electro Chem Engrg & Mfg Co, 752 Broad St, Emmaus, Pa
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Hanley Co, 101 Park Ave, N Y 17
A C Horn Co, 10 St & 44 Ave, L I C 1, N Y
Kerlow Steel Flooring Co, 222 Culver Ave, Jersey City 5, N J
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
U S Stoneware Co, 60 E 42 St, N Y

FLOORING, ASPHALT

Armstrong Cork Co, 985 Concord Ave, Lancaster, Pa
Atlas Mineral Products Co, Mertztown, Pa
Flintkote Co, 30 Rockefeller Plaza, N Y 20
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
A C Horn Co, 10 St & 44 Ave, L I C 1, N Y

FLOORING, BRICK

Atlas Mineral Products Co, Mertztown, Pa
Ceilcote Co, 4832 Ridge Rd, Cleveland 9, Ohio
Electro Chem Engrg & Mfg Co, 752 Broad St, Emmaus, Pa
Hanley Co, 101 Park Ave, N Y 17
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich

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Atlas Mineral Products Co, Mertztown, Pa
Electro Chem Engrg & Mfg Co, 752 Broad St, Emmaus, Pa

FLOORING, IRON AND STEEL

Alan Wood Steel Co, Ivy Rock Rd, Conshohocken, Pa
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Hendrick Mfg Co, 75 Dundaff St, Carbondale, Pa
Irving Subway Grating Co, 50-37 27 St, L I C 1, N Y
Kerlow Steel Flooring Co, 222 Culver Ave, Jersey City 5, N J
A B Murray Co, 649 Green Lane, Elizabeth, N J
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis

FLOW CONTROL EQUIPMENT METERS

Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bristol Co, Platts Mills, Waterbury, Conn
Builders Providence, 345 Harris Ave, Providence 1, R I
Cornell Mach Co, 99 Wall St, N Y
Fischer & Porter Co, Hatboro, Pa
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
Jacoby-Tarbox Corp, 810 Nepperhan Ave, Yonkers 3, N Y
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Simplex Valve & Meter Co, 6753 Upland St, Phila, Pa
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Wallace & Tiernan, 1 Main St, Belleville, N J

FLOW CONTROL EQUIPMENT, RESPONSIVE DEVICES

Black, Sivalls & Bryson Eng, 15 N Cincinnati St, Tulsa, Okla
Bristol Co, Platts Mills, Waterbury, Conn
Cornell Mach Co, 99 Wall St, N Y
Fischer & Porter Co, Hatboro, Pa
Infilco Inc, Box 5033, Tucson, Ariz
Micro Metallic Corp, 42 Sea Cliff Ave, Glen Cove, N J
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Tenney Engrg, 26 Ave B, Newark 5, N J
Ultrasonic Corp, 63 Rogers St, Cambridge, Mass

FLUOROPHOTOMETERS

Beckman Instruments, 820 Mission St, S Pasadena, Cal
Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Coleman Instruments, 318 Madison Ave, Maywood, Ill
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Photovolt Corp, 95 Madison Ave, N Y

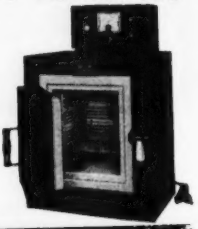
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Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Goldsmith Bros Smelting & Refg Co, 109 N Wabash Ave, Chicago, Ill
Handy & Harman, 82 Fulton St, N Y 38
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
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Kaiser Aluminum & Chem Sales, Kaiser Bldg, Oakland 12, Cal
Reynolds Metals Co, 2500 S 3 St, Louisville 1, Ky

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Kaiser Aluminum & Chem Sales, Kaiser Bldg, Oakland 12, Cal
Ladish Co, Cudahy, Wis
A B Murray Co, 649 Green Lane, Elizabeth, N J
Revere Copper & Brass 230 Park Ave, N Y 17
Reynolds Metal Co, 2500 S 3 St, Louisville, Ky
Tube Turns, 224 Broadway, Louisville 1, Ky

FORGINGS, STEEL

Bethlehem Steel Co, Bethlehem, Pa
Bonney Forge & Tool Works, Durham & Meadow Sts, Allentown, Pa
Dresser Industries, Bradford, Pa
Ladish Co, Cudahy, Wis
A B Murray Co, 649 Green Lane, Elizabeth, N J
Struthers Wells Corp, S Franklin St, Titusville, Pa
Tube Turns, 224 Broadway, Louisville 1, Ky
U S Steel Co, 525 Wm Penn Pl, Pittsburgh 30, Pa

FRACTIONATORS

Ampco Metal, 1740 S 38 St, Milwaukee 46, Wis
Bauer Bros Co, 1727 Sheridan Ave, Springfield, Ohio
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gasoline Plant Costruction Corp, Neils Esperson Bldg, Houston 2, Tex
Graver Tank & Mfg Co, 4809 Ave, E Chicago, Ind
L O Koven & Bros, 154 Ogden Ave, Jersey City 7, N J
H S Martin & Co, 1916 Greenleaf Ave, Evanston, Ill
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa

FRAMES, FILTER PRESS STEEL

Cellulo Co, 2100 1 St, Sandusky, Ohio
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y

FUME REMOVAL SYSTEMS

Aerodyne Development Corp, 879 Addison Rd, Cleveland 3, Ohio
American Wheelabrator & Equipment Corp, 827 S Byrkit St, Mishawaka, Ind
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Day Co, 810 3 Ave N E, Minneapolis 13, Minn
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Handy & Harman, 82 Fulton St, N Y 38
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
International Engrg, Dayton 1, Ohio
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
Lab Furniture Co, P O Box 590, Mineola, N Y
Northern Blower Co, 6418 Barberton Ave, Cleevland 2, Ohio
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
J O Ross Engrg Corp, 444 Madison Ave, N Y 22
Claude B Schneible Co, 2831 25 St, Detroit 16, Mich
Ultrasonic Corp, 63 Rogers St, Cambridge, Mass

FUNNELS

Corning Glass Works, Corning, N Y
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Lunkenheimer Co, Beekman St Waverly Ave, Cincinnati 14, Ohio
Luzerne Rubber Co, Trenton 7, N J
Metal Products Corp, 50 W 19 St, Weehawken, N J
National Molded Pining Distributors, 387 W Side Ave, Jersey City 4, N J
Power Products Co, 11 Broadway, N Y 4

FURNACE ACCESSORIES

American Brake Shoe Co, 230 Park Ave, N Y 17
Bigelow-Liptak Corp, 2842 W Grand Blvd, Detroit 2, Mich
Denver Fire Clay Co, 2301 Blake St, Denver 17, Col
Eclipse Fuel Engrg Co, 703 S Main St, Rockford, Ill
Ess Instrument Co, 96 S Washington Ave, Bergenfield, N J
Hevi Duty Elec Co, 4212 Highland Blvd, Milwaukee, Wis
K H Huppert Co, 6830 Cottage Grove Ave, Chicago, Ill
David E Kennedy, 58 2 Ave, Bklyn 15, N Y
Minneapolis-Honeywell Regulator Co, 2704 4 Ave, Minneapolis 8, Minn
Selas Corp of America Erie Ave & D St, Phila 34, Pa
Surface Combustion Corp, 2375 Dorr St, Toledo, Ohio

FURNACES, ANNEALING

Ajax Elec Co, Frankford & Delaware Ave, Phila 23, Pa
Anthony Co, 47-33 5 St, L I C 1, N Y
Denver Fire Clay Co, 2301 Blake St, Denver 17, Col
Despatch Oven Co, 619 S E 8 St, Minneapolis 15, Minn
Eclipse Fuel Engrg Co, 703 Main St, Rockford, Ill
Elec Furnace Co, Salem, Ohio
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Gen Elec Co, Schenectady 5, N Y
Hevi Duty Elec Co, 4212 Highland Blvd, Milwaukee, Wis
K H Huppert Co, 6830 Cottage Grove Ave, Chicago, Ill
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Surface Combustion Corp, 2375 Dorr St, Toledo, Ohio
Trent Inc, 4585 Wilde St, Phila 27, Pa

FURNACES, ASSAY

Denver Fire Clay Co, 2301 Blake St, Denver 17, Col
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Hevi Duty Elec Co, 4212 Highland Blvd, Milwaukee, Wis
K H Huppert Co, 6830 Cottage Grove Ave, Chicago, Ill
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col

FURNACES, CALCINING

Denver Fire Clay Co, 2301 Blake St, Denver 17, Col
K H Huppert Co, 6830 Cottage Gorve Ave, Chicago, Ill
Morse-Boulger Destructor Co, 21-F E 42 St, N Y 17
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Traylor Engrg & Mfg Co, Allentown Pa

FURNACES, CRUCIBLE

Anthony Co, 47-33 5 St, L I C 1, N Y
Denver Fire Clay Co, 2301 Blake St, Denver 17, Col
Eclipse Fuel Engrg Co, 703 S Main St, Rockford, Ill
Hevi Duty Co, 4212 Highland Blvd, Milwaukee, Wis
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Will Corp, Rochester 3, N Y

FURNACES, ELECTRICAL

Ajax Elec Co, Frankford & Delaware Ave, Phila 23, Pa
Burrell Corp, 2223 5 Ave, Pittsburgh 19, Pa
Despatch Oven Co, 619 S E 8 St, Minneapolis 15, Minn
Elec Furnace Co, Salem, Ohio
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
General Elec Co, Schenectady 5, N Y
Hevi Duty Elec Co, 4212 Highland Blvd, Milwaukee, Wis
Hoskins Mfg Co, 4445 Lawton Ave, Detroit, Mich

FURNACES, ELECTRICAL, continued

K H Huppert Co, 6830 Cottage Grove Ave, Chicago, Ill
R-S Products Corp, 100 Berkley St, Phila, Pa
Trent Inc, 4585 Wilde St, Phila 27, Pa
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa

FURNACES, HEARTH-TYPE

Ajax Elec Co, Frankford & Delaware Ave, Phila 23, Pa
Denver Fire Clay Co, 2301 Blake St, Denver 17, Col
Eclipse Fuel Engrg Co, 703 S Main St, Rockford, Ill
Elec Furnace Co, Salem, Ohio
Gen Elec Co, Schenectady 5, N Y
Hevi Duty Elec Co, 4212 Highland Blvd, Milwaukee, Wis
K H Huppert Co, 6830 Cottage Grove Ave, Chicago, Ill
Illinois Water Treatment Co, 858 Cedar St, Rockford, Ill
Morse-Boulger Destructor Co, 211-F E 42 St, N Y 17
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
R-S Products Corp, 100 Berkley St, Phila 34, Pa
Selas Corp of America, Erie Ave & D St, Phila, Pa

FURNACES, HEAT TREATING

Ajax Elec Co, Frankford & Delaware Ave, Phila 23, Pa
Anthony Co, 47-33 5 St, L I C 1, N Y
Denver Fire Clay Co, 2301 Blake St, Denver 17, Col
Despatch Oven Co, 619 S E 8 St, Minneapolis 15, Minn
Eclipse Fuel Engrg Co, 703 S Main St, Rockford, Ill
Elec Furnace Co, Salem, Ohio
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Gasoline Plant Construction Corp, Neils Esperson Bldg, Houston 2, Tex
Gen Elec Co, Schenectady 5, N Y
Hevi Duty Elec Co, 4212 Highland Blvd, Milwaukee, Wis
Hoskins Mfg Co, 4445 Lawton Ave, Detroit, Mich
K H Huppert Co, 6830 Cottage Grove Ave, Chicago, Ill
Leeds & Northrup Co, 4970 Stenton Ave, Phila 44, Pa
R-S Products Corp, 100 Berkley St Phila, Pa
J O Ross Engrg Corp, 444 Madison Ave, N Y 22
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Trent Inc, 4585 Wilde St, Phila 27, Pa

FURNACES, HIGH VACUUM

Distillation Products Industries, Rochester 3, N Y
K H Huppert Co, 6830 Cottage Grove Ave, Chicago, Ill
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa

FURNACES, LABORATORY

Burrell Corp, 2223 5 Ave, Pittsburgh 19, Pa
Denver Fire Clay Co, 2301 Blake St, Denver 17, Col
Harry W Dietert Co, 9330 Roselawn Ave, Detroit 4, Mich
Eclipse Fuel Engrg Co, 703 S Main St, Rockford, Ill
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Emil Greiner Co, 20-26 N Moore St, N Y 13
Hevi Duty Elec Co, 4212 Highland Blvd, Milwaukee, Wis
Hoskins Mfg Co, 4445 Lawton Ave, Detroit, Mich
K H Huppert Co, 6830 Cottage Grove Ave, Chicago, Ill
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
W A Rockwell Co, 270 Elliot St, Fairfield, Conn
Steiner-Ives Co, 8-16 Ave, Newark 5, N J
Tenney Engrg, 26 Ave B, Newark 5, N J
Arthur H Thomas Co, 230 S 7 St, Phila, Pa
Wilkens-Anderson Co, 4525 W Div St, Chicago 51, Ill
Will Corp, Rochester 3, N Y

FURNACES, MUFFLE

Anthony Co, 47-33 5 St, L I C 1, N Y
Denver Fire Clay Co, 2301 Blake St, Denver 17, Col
Eclipse Fuel Engrg Co, 703 S Main St, Rockford, Ill
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Hevi Duty Elec Co, 4212 Highland Blvd, Milwaukee, Wis
Hoskins Mfg Co, 4445 Lawton Ave, Detroit, Mich
K H Huppert Co, 6830 Cottage Grove Ave, Chicago Ill
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
National Airoil Burner Co, 1348 E Sedgley Ave, Phila 34, Pa
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Will Corp, Rochester 3, N Y

FURNACES, OIL

Air Devices, 17 E 42 St, N Y 17
Anthony Co, 47-33 5 St, L I C 1, N Y
E B Badger & Sons Co, 75 Pitts St, Boston 14, Mass
Denver Fire Clay Co, 2301 Blake St, Denver 17, Col
Eclipse Fuel Engrg Co, 703 S Main St, Rockford, Ill
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Union Iron Works, 15 & Cascade Sts, Erie, Pa
U S Plywood Corp, 55 W 44 St, N Y 18
Wurster & Sanger, 5201 S Kenwood Ave, Chicago 15, Ill

FURNACES, ROASTING

Denver Fire Clay Co, 2301 Blake St, Denver 17, Col
Hevi Duty Elec Co, 4212 Highland Blvd, Milwaukee, Wis
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5

FURNACES, ROTARY

Gen Elec Co, Schenectady 5, N Y
R-S Products Corp, 100 Berkely St, Phila, Pa
Surface Combustion Corp, 2375 Dorr St, Toledo, Ohio

FURNACES, TUBE

E B Badger & Sons Co, 75 Pitts St, Boston 14, Mass
Harry W Dietert Co, 9330 Roselawn Ave, Detroit 4, Mich
Eclipse Fuel Engrg Co, 703 S Main St, Rockford, Ill
Hevi Duty Elec Co, 4212 Highland Blvd, Milwaukee, Wis
Hoskins Mfg Co, 4445 Lawton Ave, Detroit, Mich
K H Huppert Co, 6830 Cottage Grove Ave, Chicago, Ill
Lummus Co, 385 Madison Ave, N Y 17

FURNACES, VERTICAL

Air Devices, 17 E 42 St, N Y 17
Despatch Oven Co, 619 S E 8 St, Minneapois 15, Minn
Eclipse Engrg Co, 703 S Main St, Rockford, Ill
Gen Elec Co, Schenectady 5, N Y
Hevi Duty Elec Co, 4212 Highland Blvd, Milwakee, Wis
K H Huppert Co, 6830 Cottage Grove Ave, Chicago, Ill
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Surface Combustion Corp, 2375 Dorr St, Toledo, Ohio
Traylor Engrg & Mfg Co, Allentown, Pa
Union Iron Works, 15 & Cascade Sts, Erie, Pa
U S Plywood Corp, 55 W 44 St, N Y 18

GALVANOMETERS

Consolidated Engr Corp, 300 N Sierra Madre Villa, Pasadena 8, Cal
Gen Elec Co, Schenectady 5, N Y
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Pyrometer Instrument Co, Portland & Delport Aves, Bergenfield, N J
Rubicon Co, Ridge Ave at 35 St, Phila 32, Pa
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J

GAS ANALYSIS APPARATUS

E D Bullard Co, 275 8 St, San Francisco 3, Cal
Eurrell Corp, 2223 5 Ave, Pittsburgh 19, Pa
Consolidated Engr Corp, 300 N Sierra Madre Villa, Pasadena 8, Cal
Davis Emergency Equipment Co, 43 Halleck St, Newark 4, N J
Distillation Products Industries, Rochester 3, N Y
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Gen Elec Co, Schenectady 5, N Y
Gow-Mac Instrument Co, 22 Lawrence St, Newark 5, N J
Emil Greiner Co, 20-26 N Moore St, N Y 13
Hays Corp, E 8 St, Mich City, Ind
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
H S Martin & Co, 1916 Greenleaf Ave, Evanston, Ill
Mine Safety Appliance Co, Braddock Ave, Pittsburgh 8, Pa
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
National Research Corp, 70 Memorial Dr, Cambridge 42, Mass
Permutit Co, 330 W 42 St, N Y 18
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Rubicon Co, Ridge Ave at 35 St, Phila 32, Pa
Scientific Glass Apparatus Co, Bloomfield, N J
Arthur H Thomas Co, 230 S 7 St, Phila, Pa
Uehling Instrument Co, 468 Getty Ave, Paterson 3, N J

GAS HOLDERS

Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Arthur D Little, Cambridge 42, Mass
Pittsburgh Des Moines Steel Co, Neville Island Sta, Pittsburgh 25, Pa
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio

GASKETS, ACID AND ALKALI RESISTING

Akron Metalic Gasket Co, 150-164 N Union St, Akron, Ohio
Armstrong Cork Co, 985 Concord Ave, Lancaster, Pa
Atlas Mineral Products Co, Mertztown, Pa
Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
Farley M Caldwell, 1197 Richwood Ave, Cincinnati 26, Ohio

GASKETS, ACID AND ALKALI RESISTING, continued

Chicago Gasket Co, 1275 W North St, Chicago, Ill
Felt Products Mfg Co, 1508 Carroll Ave, Chicago 7, Ill
Flexitallic Gasket Co, 937 B St, Camden, N J
Garlock Packing Co, Palmyra, N Y
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
McCord Corp, 2587 E Grand Blvd, Detroit 11, Mich
Metallogasket Co, 20 Bethany St, New Brunswick, N J
Mundet Cork Corp, 7101 Tonnelle Ave, N Bergen, N J
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Raybestos-Manhattan, Manheim, Pa
Rubber & Plastic Products Corp, Matawan, N J
Sentinel Glass Co, Box 58, Hatboro, Pa
Union Asbestos & Rubber Co, 332 S Mich Ave, Chicago, Ill
U S Gasket Co, 610 N 10 St, Camden, N J
U S Rubber Co, 1230 6 Ave, N Y 20
U S Stoneware Co, 60 E 42 St, N Y

GASKETS, ASBESTOS

Akron Metallic Gasket Co, 150-164 N Union St, Akron, Ohio
Chicago Gasket Co, 1275 W North St, Chicago, Ill
James B Clow & Sons, 201-299 N Talman Ave, Chicago 80, Ill
Ernst Water Column & Gage & Co, 250 S Livingstone Ave, Livingstone, N J
Felt Products Mfg Co, 1508 Carroll Ave, Chicago 7, Ill
Garlock Packing Co, Palmyra, N Y
Gatke Corp, 228 N LaSalle St, Chicago 1, Ill
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
Gustin-Bacon Mfg Co, 1412 W 12 St, Kansas City 7, Mo
Keasbey & Mattison Co, Butler Ave, Ambler, Pa
McCord Corp, 2587 E Grand Blvd, Detroit 11, Mich
Metallogasket Co, 20 Bethany St, New Brunswick, N J
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Raybestos-Manhattan, Manheim, Pa
Sentinel Glass Co, Box 58, Hatboro, Pa
Union Asbestos & Rubber Co, 332 E Mich Ave, Chicago, Ill
U S Gasket Co, 610 N 10 St, Camden, N J
U S Rubber Co, 1230 6 Ave, N Y 20

GASKETS, COPPER ASBESTOS

Akron Metallic Gasket Co, 150-164 N Union St, Akron, Ohio
Felt Products Mfg Co, 1508 Carroll Ave, Chicago 7, Ill
Flexitallic Gasket Co, 937 B St, Camden, N J
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Gustin-Bacon Mfg Co, 1412 W 12 St, Kansas City 7, Mo
McCord Corp, 2587 E Grand Blvd, Detroit 11, Mich
Metallogasket Co, 20 Bethany St, New Brunswick, N J
Union Asbestos & Rubber Co, 332 E Mich Ave, Chicago, Ill
U S Gasket Co, 610 N 10 St, Camden, N J
U S Rubber Co, 1230 6 Ave, N Y 20

GASKETS, FOR STEEL DRUMS

Akron Metallic Gasket Co, 150-164 N Union St, Akron, Ohio
American Flange & Mfg Co, 30 Rockefeller Plaza, N Y 20
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Felt Products Mfg Co, 1508 Carroll Ave, Chicago 7, Ill
Garlock Packing Co, Palmyra, N Y
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Greene Mfg Co, 2100 Fairmount Ave, Phila 30, Pa
McCord Corp, 2587 E Grand Blvd, Detroit 11, Mich
Mundet Cork Corp, 7101 Tonnelle Ave, N Bergen, N J
Ohio Corrugating Co, Warren, Ohio
Rieke Metal Products Corp, 70 Pine St, N Y 5
F C Thornton Co, 6712 Union Ave, Cleveland, Ohio
U S Gasket Co, 610 N 10 St, Camden, N J
U S Rubber Co, 1230 6 Ave, N Y 20

GASKETS, LEAD

Akron Metallic Gasket Co, 150-164 N Union St, Akron, Ohio
Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Felt Products Mfg Co, 1508 Carroll Ave, Chicago 7, Ill
Frick Co, Waynesboro, Pa
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Lead Lined Iron Pipe Co, Wakefield, Mass
McCord Corp, 2587 E Grand Blvd, Detroit 11, Mich
Metallogasket Co, 20 Bethany St, New Brunswick, N J
U S Gasket Co, 610 N 10 St, Camden, N J
U S Rubber Co, 1230 6 Ave, N Y 20

GASKETS, LEATHER

Akron Metallic Gasket Co, 150-164 N Union St, Akron, Ohio
Chicago Gasket Co, 1275 W North St, Chicago, Ill
Felt Products Mfg Co, 1508 Carroll Ave, Chicago 7, Ill
Garlock Packing Co, Palmyra, N Y
Gustin-Bacon Mfg Co, 1412 W 12 St, Kansas City 7, Mo
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
McCord Corp, 2587 E Grand Blvd, Detroit 11, Mich
U S Rubber Co, 1230 6 Ave, N Y 20

GASKETS, METALLIC

Akron Metallic Gasket Co, 150-164 N Union St, Akron, Ohio
Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Felt Products Mfg Co, 1508 Carroll Ave, Chicago 7, Ill
Flexitallic Gasket Co, 937 B St, Camden, N J
Garlock Packing Co, Palmyra, N Y
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
McCord Corp, 2587 E Grand Blvd, Detroit 11, Mich
Metal Products Corp, 50 W 19 St, Weehawken, N J
Metallogasket Co, 20 Bethany St, New Brunswick, N J
U S Gasket Co, 610 N 10 St, Camden, N J
U S Rubber Co, 1230 6 Ave, N Y 20

GASKETS, PAPER

Akron Metallic Gasket Co, 150-164 N Union St, Akron, Ohio
Chicago Gasket Co, 1275 W North St, Chicago, Ill
Felt Products Mfg Co, 1508 Carroll Ave, Chicago 7, Ill
Garlock Packing Co, Palmyra, N Y
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
McCord Corp, 2587 E Grand Blvd, Detroit 11, Mich
U S Rubber Co, 1230 6 Ave, N Y 20

GASKETS, PLASTIC

Akron Metallic Gasket Co, 150-164 N Union St, Akron, Ohio
Atlas Mineral Products Co, Mertztown, Pa
W H Brady Co, 16 E Spring St, Chippewa Falls, Wis
Brady Conveyors, 20 W Jackson St, Chicago 4, Ill
Chicago Gasket Co, 1275 W North St, Chicago, Ill
Distillation Products Industries, Rochester 3, N Y
Felt Products Mfg Co, 1508 Carroll Ave, Chicago 7, Ill
Garlock Packing Co, Palmyra, N Y
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
McCord Corp, 2587 E Grand Blvd, Detroit 11, Mich
Rieke Metal Products Corp, 70 Pine St, N Y 5
Sentinel Glass Co, Box 58, Hatboro, Pa
U S Gasket Co, 610 N 10 St, Camden, N J
U S Rubber Co, 1230 6 Ave, N Y 20
U S Stoneware Co, 60 E 42 St, N Y

GASKETS, RUBBER

Akron Metallic Gasket Co, 150-164 N Union St, Akron, Ohio
American Flange & Mfg Co, 30 Rockefeller Plaza, N Y 20
Armstrong Cork Co, 985 Concord Ave, Lancaster, Pa
Atlas Mineral Products Co, Mertztown, Pa
Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Buffalo Weaving & Belting Co, 260 Chandler St, Buffalo 7, N Y
Farley M Caldwell, 1197 Richwood Ave, Cincinnati 26, Ohio
Chicago Gasket Co, 1275 W North St, Chicago, Ill
James B Clow & Sons, 201-299 N Talman Ave, Chicago 80, Ill
Distillation Products Industries, Rochester 3, N Y
Felt Products Mfg Co, 1508 Carroll Ave, Chicago 7, Ill
Frick Co, Waynesboro, Pa
Garlock Packing Co, Palmyra, N Y
Gen Elec Co, 1 Plastics Ave, Pittsfield, Mass
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
Greene Mfg Co, 2100 Fairmount Ave, Phila 30, Pa
Gustin-Bacon Mfg Co, 1412 W 12 St, Kansas City 7, Mo
Hamilton Rubber Mfg Corp, Mead St, Trenton 3, N J
Hewitt-Robins, Hewitt Rubber Div, 240 Kensington Ave, Buffalo 9, N Y
McCord Corp, 2587 E Grand Blvd, Detroit 11, Mich
Parker Appliance Co, 17325 Euclid Ave, Cleveland 12, Ohio
Pioneer Rubber Mills, 353 Sacramento St, San Francisco 11, Cal
H K Porter Co, 4915 Comly St, Wissinoming, Phila 24, Pa
Raybestos-Manhattan, Manheim, Pa
Rubber & Plastic Products Corp, Matawan, N J
Sentinel Glass Co, Box 58, Hatboro, Pa
U S Gasket Co, 610 N 10 St, Camden, N J
U S Rubber Co, 1230 6 Ave, N Y 20
U S Stoneware Co, 60 E 42 St, N Y

GASKETS, TEFLON

Akron Metallic Gasket Co, 150-164 N Union St, Akron, Ohio
W H Brady Co, 16 E Spring St, Chippewa Falls, Wis
Felt Products Mfg Co, 1508 Carroll Ave, Chicago 7, Ill
Flexitallic Gasket Co, 937 B St, Camden, N J
Garlock Packing Co, Palmyra, N Y
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
McCord Corp, 2587 E Grand Blvd, Detroit 11, Mich
Metallogasket Co, 20 Bethany St, New Brunswick, N J
Power Products Co, 11 Broadway, N Y 4
Raybestos-Manhattan, Manheim, Pa
Sentinel Glass Co, Box 58, Hatboro, Pa
U S Gasket Co, 610 N 10 St, Camden, N J

GATES, DISCHARGE (BIN AND BUNKER)

Airborne Conveyors Corp, 99 Hudson St, N Y 13
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Bodinson Mfg Co, 2401 Bayshore Blvd, San Francisco 24, Cal
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
Day Co, 810 3 Ave N E, Minneapolis 13, Minn
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J
Smith Engrg Works, 532 Capitol Dr, Milwaukee 12, Wis
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
M H Treadwell Co, 140 Cedar St, N Y 6

GAUGES

American Chain & Cable Co, Helicoid Gage Div, Bridgeport, Conn
Ernst Water Column & Gage Co, 250 S Livingstone Ave, Livingstone, N J
Frick Co, Waynesboro, Pa
Gen Elec Co, Schenectady 5, N Y
Hays Corp, E 8 St, Mich City, Ind
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
King Engrg Corp, 415 Detroit St, Ann Arbor, Mich
Lunkenheimer Co, Cincinnati 14, Ohio
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Meter & Valve Div, 400 N Lexington, Pittsburgh 8, Pa
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Rochester Mfg Co, 105 Rockwood St, Rochester 10, N Y
Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14, Ill
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Uehling Instrument Co, 468 Getty Ave, Paterson 3, N J
Wallace & Tiernan, 1 Main St, Belleville, N J

GAUGES, DIAPHRAGM

American Chain & Cable Co, Helicoid Gage Div, Bridgeport, Conn
American Mach & Metals, 233 Broadway, N Y 7
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bristol Co, Platts Mills, Waterbury, Conn
Crosby Steam Gage & Valve Co, 43 Kendrick St, Wrentham, Mass
Hays Corp, E 8 St, Mich City, Ind
Independent Filter Press Co, 240 48 St, Bklyn 20, N Y
King Engrg Corp, 415 Detroit St, Ann Arbor, Mich
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Rochester Mfg Co, 105 Rockwood St, Rochester 10, N Y
Wallace & Tiernan, 1 Main St, Belleville, N J
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J

GAUGES, DRAFT

Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Bristol Co, Platts Mills, Waterbury, Conn
Chicago Gasket Co, 1275 W North St, Chicago, Ill
Hays Corp, E 8 St, Mich City, Ind
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Meriam Instrument Co, 10928 Madison Ave, Cleveland 2, Ohio
National Airoil Burner Co, 1348 E Sedgley Ave, Phila 34, Pa
Perfex Corp, 500 W Oklanoma Ave, Milwaukee, Wis
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Uehling Instrument Co, 468 Getty Ave, Paterson 3, N J

GAUGES, FILTER

Hays Corp, E 8 St, Mich City, Ind
Independent Filters Press Co, 240 48 St, Bklyn 20 N Y
Infilco Inc, Box 5033, Tucson, Ariz
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Meriam Instrument Co, 10928 Madison Ave, Cleveland 2, Ohio
Simplex Valve & Meter Co, 6753 Upland St, Phila, Pa
U S Hoffman Mach Co, 219 Lamson St, Syracuse 6, N Y
Uehling Instrument Co, 468 Getty Ave, Paterson 3, N J

GAUGES, HEATED & COOLED

Jerguson Gage & Valve Co, Somerville, Mass

GAUGES, INDICATING, VACUUM AND DIFFERENTIAL

Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Barton Instrument Corp, 1429 S Eastern Ave, Los Angeles 22, Cal
Bristol Co, Platts Mills, Waterbury, Conn
Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Crosby Steam Gage & Valve Co, 43 Kendrick St, Wrentham, Mass
Distillation Products Industries, Rochester 3, N Y
Emil Greiner Co, 20-26 N Moore St N Y 13
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa

GAUGES, INDICATING, VACUUM & DIFFERENTIAL, continued

Hays Corp, E 8 St, Mich City, Ind
King Engrg Corp, 415 Detroit St, Ann Arbor, Mich
Lunkenheimer Co, Cincinnati 14, Ohio
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Meriam Instrument Co, 10928 Madison Ave, Cleveland 2, Ohio
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
Simplex Valve & Meter Co, 6753 Upland St, Phila, Pa
Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14, Ill
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Uehling Instrument Co, 468 Getty Ave, Paterson 3, N J
Wallace & Tiernan, 1 Main St, Belleville, N J
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
York Corp, Roosevelt & P R R, York, Pa

GAUGES, LIQUID LEVEL

Automatic Control Co, 1005 University Ave, St Paul, Minn
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Barton Instrument Corp, 1429 S Eastern Ave, Los Angeles 22 Cal
Bristol Co, Platts Mills, Waterbury, Conn
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Crosby Steam Gage & Valve Co, 43 Kendrick St, Wrentham, Mass
Ernst Water Column & Gage Co, 250 S Livingstone Ave, Livingstone, N J
Esterline-Angus Co, P O Box 596, Indianapolis 6, Ind
Frick Co, Waynesboro, Pa
Gen Elec X-Ray Corp, 4855 Electric Ave, Milwaukee, Wis
Hays Corp, E 8 St, Mich City, Ind
Infilco Inc, Box 5033, Tucson, Ariz
Instruments Inc, Wright Bldg, Tulsa 3, Okla
Jerguson Gage & Valve Co, Somerville, Mass
Johnston & Jennings Co, 4700 W Div St, Chicago 51, Ill
King Engrg Corp, 415 Detroit St, Ann Arbor, Mich
Liquidepth Indicators, 42-26 28 St, L I C 1, N Y
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Lunkenheimer Co, Beekman St & Waverly Ave, Cincinnati 14, Ohio
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Meriam Instrument Co, 10928 Madison Ave, Cleveland 2, Ohio
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Rochester Mfg Co, 105 Rockwood St, Rochester 10, N Y
Sellers Injector Corp, 1600 Hamilton St, Phila 30, Pa
Simplex Valve & Meter Co, 6753 Upland St, Phila, Pa
Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14, Ill
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Uehling Instrument Co, 468 Getty Ave, Paterson 3, N J
United Engrs, 824 E 6 St, Tulsa, Okla
Vapor Recovery Systems Co, 2820 N Alameda St, Compton 2, Cal
Vilter Mfg Co, 2117 S 1 St, Milwaukee 7, Wis
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

GAUGES, PRESSURE

Air Reduction Co, 60 E 42 St, N Y 17
American Chain & Cable Co, Helicoid Gage Div, Bridgeport, Conn
American Mach & Metals, 233 Broadway, N Y 7
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Bristol Co, Platts Mills, Waterbury, Conn
Bryant Industrial Div, 17825 St Clair Ave, Cleveland 10, Ohio
Cameron Iron Works, Katy at Silber Rd, P O Box 1212, Houston 1, Tex
Crosby Steam Gage & Valve Co, 43 Kendrick St, Wrentham, Mass
W C Dillon & Co, 1421 S Circle Ave, Forest Park Ill
Esterline-Angus Co, P O Box 596, Indianapolis 6, Ind
Gen Elec Co, Schenectady 5, N Y
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Emil Greiner Co, 20-26 N Moore St, N Y 13
Hays Corp, E St, Mich City, Ind
Instruments Inc, Wright Bldg, Tulsa 3 Okla
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Meriam Instrument Co, 10928 Madison Ave, Cleveland 2, Ohio
Meter & Valve Div, 400 N Lexington, Pittsburgh 8, Pa
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14, Ill
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Uehling Instrument Co, 468 Getty Ave, Paterson 3, N J
Wallace & Tiernan, 1 Main St, Belleville, N J
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
York Corp, Roosevelt & P R R, York, Pa

GAUGES, TEMPERATURE

American Mach & Metals, 233 Broadway, N Y 7
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Bristol Co, Platts Mills, Waterbury, Conn
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
W C Dillon & Co, 1421 S Circle Ave, Forest Park, Ill
Enthone Inc, 442 Elm St, New Haven, Conn
Emil Greiner Co, 20-26 N Moore St, N Y 13
Illinois Testing Lab, 420 N LaSalle St, Chicago 10, Ill
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Minneapolis-Honeywell Regulator Co, 2704 4 Ave, Minneapolis 8, Minn
Moeller Instrument Co, 132 St & 89 Ave, Richmond Hill 18, N Y
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
Powers Regulator Co, 2736 Greenview Ave, Chicago 14, Ill
Pyrometer Instrument Co, Portland & Delport Aves, Bergenfield, N J
Rochester Mfg Co, 105 Rockwood St, Rochester 10, N Y
Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14, Ill
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
York Corp, Roosevelt & P R R, York, Pa

GAUGES, VACUUM

American Chain & Cable Co, Helicoid Gage Div, Bridgeport, Conn
American Mach & Metals, 233 Broadway, N Y 7
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Bristol Co, Platts Mills, Waterbury, Conn
Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Crosby Steam Gage & Valve Co, 43 Kendrick St, Wrentham, Mass
Distillation Products Industries, Rochester 3, N Y
Elec Auto-Lite Co, 1200 S Champlain St, Toledo 1, Ohio
Esterline-Angus Co, P O Box 5966, Indianapolis 6, Ind
Gen Elec Co, Schenectady 5, N Y
Emil Greiner Co, 20-26 N Moore St, N Y 13
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Meriam Instrument Co, 10928 Madison Ave, Cleveland 2, Ohio
Meter & Valve Div, 400 N Lexington, Pittsburgh 8, Pa
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Moeller Instrument Co, 132 St & 89 Ave, Richmond Hill 18, N Y
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
National Research Corp, 70 Memorial Dr, Cambridge 42, Mass
Radio Corp of America, Camden, N J
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Uehling Instrument Co, 468 Getty Ave, Paterson 3, N J
Wallace & Tiernan, 1 Main St, Belleville, N J
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
York Corp, Roosevelt & P R R, York, Pa

GAUGES, WATER

American Chain & Cable Co, Helicoid Gage Div, Bridgeport, Conn
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Clevveland 10, Ohio
Bryant Industrial Div, 17825 St Clair Ave, Cleveland 10, Ohio
Ernst Water Column & Gage Co, 250 S Livingstone Ave, Livingstone, N J
Jerguson Gage & Valve Co, Somerville, Mass
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
King Engrg Corp, 415 Detroit St, Ann Arbor, Mich
Lunkenheimer Co, Beekman St, & Waverly Ave, Cincinnati 14, Ohio
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Meriam Instrument Co, 10928 Madison Ave, Cleveland 2, Ohio
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Rochester Mfg Co, 105 Rockwood St, Rochester 10, N Y
Uehling Instrument Co, 468 Getty Ave, Paterson 3, N J
Wallace & Tiernan, 1 Main St, Belleville, N J
D T Williams Valve Co, 1086 Summer St, Cincinnati 2, Ohio
Yarnall-Waring Co, 102 E Mermaid Lane, Phila 18, Pa

GEARMOTORS

Louis Allis Co, 427 E Stewart St, Milwaukee 7, Wis
Foote Bros Gear & Mach Co, 4545 S Western Blvd, Chicago 9, Ill

GENERATORS, INERT GAS

Air Products, Emanus, Pa
C M Kemp Mfg Co, 405 E Oliver St, Baltimore 2, Md
Ozark-Mahoning Co, 310 W 6 St, Tulsa, Okla
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Westinghouse Elec Corp, 3066 4 Ave, Pittsburgh 30, Pa

GENERATORS, OXYGEN

Air Products, Emanus, Pa
Joy Mfg Co, Oliver Bldg, Pittsburgh 22, Pa
Arthur D Little, Cambridge 42, Mass
T Shriver & Co, 874 Hamilton St, Harrison, N J

GENERATORS, OZONE

Welsbach Corp, 2409 W Westmoreland St, Phila 29, Pa

GENERATORS, STEAM

Ames Iron Works, Oswego, N Y
Babcock & Wilcox, 85 Liberty St, N Y 6
Clayton Mfg Co, Box 550, El Monte, Cal
Combustion Engr-Superheater, 200 Madison Ave, N Y 16
Foster-Wheeler Corp, 165 Broadway, N Y 6
Griscom Russell Co, Massillon, Ohio
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Lummus Co, 385 Madison Ave, N Y 17
Union Iron Works, 15 & Cascade Sts, Erie, Pa
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
York-Shipley, Jessop Pl & P R R, York, Pa

GLASS APPARATUS, GROUND

Corning Glass Works, Corning, N Y
Distillation Products Industries, Rochester 3, N Y
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Emil Greiner Co, 20-26 N Moore St, N Y 13
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
H S Martin & Co, 1916 Greenleaf Ave, Evanston, Ill
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Scientific Glass Apparatus Co, Bloomfield, N J
Sentinel Glass Co, Box 58, Hatboro, Pa
Jos F Uhrig Co, 4101-03 N 5 St, Phila 40, Pa
Will Corp, Rochester 3, N Y

GLASS APPARATUS, SPECIAL

Corning Glass Works, Corning, N Y
Distillation Products Industries, Rochester 3, N Y
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Glass Engr Labs, 601 O'Neill, Belmont, Cal
Emil Greiner Co, 20-26 N Moore St, N Y 13
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
H S Martin & Co, 1916 Greenleaf Ave, Evanston, Ill
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Scientific Glass Apparatus Co, Bloomfield, N J
Sentinel Glass Co, Box 58, Hatboro, Pa
Jos F Uhrig Co, 4101-03 N 5 St, Phila 40, Pa
Will Corp, Rochester 3, N Y

GLASS, GROUND

Semon Bache & Co, Greenwich & Morton Sts, N Y
Corning Glass Works, Corning, N Y
Emil Greiner Co, 20-26 N Moore St, N Y 13
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Sentinel Glass Co, Box 58, Hatboro, Pa

GLASS, LABORATORY

Corning Glass Works, Corning, N Y
Distillation Products Industries, Rochester 3, N Y
Fischer & Porter Co, Hatboro, Pa
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Emil Greiner Co, 20-26 N Moore St, N Y 13
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Metalab Equipment Corp, 270 Duffy Ave, Hicksville, L I, N Y
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Scientific Glass Apparatus Co, Bloomfield, N J
Sentinel Glass Co, Box 58, Hatboro, Pa
Jos F Uhrig, 4101-03 N 5 St, Phila 40, Pa
Wilkens-Anderson Co, 4525 W Div St, Chicago 51, Ill
Will Corp, Rochester 3, N Y

GLASS, REACTION VESSELS

Corning Glass Works, Corning, N Y
Emil Greiner Co, 20-26 N Moore St, N Y 13
H S Martin & Co, 1916 Greenleaf Ave, Evanston, Ill
Scientific Glass Apparatus Co, Bloomfield, N J
Sentinel Glass Co, Box 58, Hatboro, Pa

GLASSES, GAUGE

Semon Bache & Co, Greenwich & Morton Sts, N Y
Corning Glass Works, Corning, N Y
Ernst Water Column & Gage Co, 250 S Livingstone Ave, Livingstone, N J
Fischer & Porter Co, Hatboro, Pa
Jerguson Gage & Valve Co, Somerville, Mass
O C Keckely Co, 400 W Madison St, Chicago 6, Ill
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Lunkenheimer Co, Cincinnati 14, Ohio
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Sentinel Glass Co, Box 58, Hatboro, Pa
Uehling Instrument Co, 468 Getty Ave, Paterson 3, N J
Vilter Mfg Co, 2117 S 1 St, Milwaukee 7, Wis
Yarnall-Waring Co, 102 E Mermaid Lane, Phila 18, Pa

GLASSES, SIGHT

American Optical Co, 200 Mechanic St, Southbridge, Mass
Semon Bache & Co, Greenwich & Morton Sts, N Y
Corning Glass Works, Corning, N Y
Ernst Water Column & Gage Co, 250 S Livingstone Ave, Livingstone, N J
Fischer & Porter Co, Hatboro, Pa
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Jacoby-Tarbox Corp, 810 Nepperhan Ave, Yonkers 3, N Y
Jerguson Gage & Valve Co, Somerville, Mass
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Sentinel Glass Co, Box 58, Hatboro, Pa

GLASSWARE, LABORATORY

Armstrong Cork Co, 985 Concord Ave, Lancaster, Pa
Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Corning Glass Works, Corning, N Y
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Emil Greiner Co, 20-26 N Moore St, N Y 13
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
E Leitz, 304 Hudson St, N Y 13
H S Martin & Co, 1916 Greenleaf Ave, Evanston, Ill
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Scientific Glass Apparatus Co, Bloomfield, N J
Sentinel Glass Co, Box 58, Hatboro, Pa
Arthur H Thomas Co, 230 S 7 St, Phila, Pa
Jos F Uhrig Co, 4101-03 N 5 St, Phila 40, Pa
Wilkens-Anderson Co, 4525 W Div St, Chicago 51, Ill

GLOVES, ASBESTOS

American Optical Co, 200 Mechanic St, Southbridge, Mass
Davis Emergency Equipment Co, 43 Halleck St, Newark 4, N J
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Industrial Products Co, 3015 N 4 St, Phila 33, Pa
Keasbey & Mattison Co, Butler Ave, Ambler, Pa
Mine Safety Appliance Co, Braddock Ave, Pittsburgh 8, Pa
Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio
Standard Safety Equipment Co, 232 W Ontario St, Chicago 10, Ill
Will Corp, Rochester 3, N Y

GLOVES, RUBBER

Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Davis Emergency Equipment Co, 43 Halleck St, Newark 4, N J
Edmont Mfg Co, 516 Orange St, Coshocton, Ohio
Esthone Inc, 442 Elm St, New Haven, Conn
Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
Hanson-Van Winkle Munning Co, Matawan, N J
Industrial Products Co, 3015 N 4 St, Phila 33, Pa
Mine Safety Appliance Co, Braddock Ave, Pittsburgh 8, Pa
Pioneer Rubber Co, Tiffin Rd, Willard, Ohio
Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio
U S Rubber Co, 1230 6 Ave, N Y 20
Will Corp, Rochester 3, N Y

GOGGLES, ACID AND DUST-PROOF

American Optical Co, 200 Mechanic St, Southbridge, Mass
Bausch & Lomb Optical Co, 635 St Paul St, Rochester 2, N Y
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
E D Bullard Co, 275 8 St, San Francisco 3, Cal
Chicago Eye Shield Co, 2304 W Warren Blvd, Chicago 12, Ill
Davis Emergency Equipment Co, 43 Halleck St, Newark 4, N J
Goggle Parts Co, 1468 W 9 St, Cleveland 13, Ohio
Industrial Products Co, 3015 N 4 St, Phila 33, Pa
Mine Safety Appliance Co, Braddock Ave, Pittsburgh 8, Pa
Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio
Standard Safety Equipment Co, 232 W Ontario St, Chicago 10, Ill
Will Corp, Rochester 3, N Y
Willson Products, Reading, Pa

GOGGLES, FURNACE (HEAT PROTECTIVE)

American Optical Co, 200 Mechanic St, Southbridge, Mass
Bausch & Lomb Optical Co, 635 St Paul St, Rochester 2, N Y
E D Bullard Co, 275 8 St, San Francisco 3, Cal
Chicago Eye Shield Co, 2304 W Warren Blvd, Chicago 12, Ill
Goggle Parts Co, 1468 W 9 St, Cleveland 13, Ohio
Industrial Products Co, 3015 N 4 St, Phila 33, Pa
Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio
Willson Products, Reading, Pa

GOGGLES, WELDING

American Optical Co, 200 Mechanic St, Southbridge, Mass
Bausch & Lomb Optical Co, 635 St Paul St, Rochester 2, N Y

GOVERNORS, PUMP

Schade Valve Mfg Co, 2527 N Bodine St, Phila 33, Pa
C E Squires Co, 18502 Syracuse Ave, Cleveland, Ohio

GRANULATORS

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
American Pulverizer Co, 1249 Macklind Ave, St Louis 10, Mo
Ball & Jewell, 22 Franklin St, Bklyn 22, N Y
Brosites Mach Co, 50 Church St, N Y 7
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
International Engrg, Dayton 1, Ohio
Mercer-Robinson Co, 30 Church St, N Y 7
Parten Mach Co, 311 Portland Ave, Minneapolis 51, Minn
Pennsylvania Crusher Co, 1721 Liberty Trust Bldg, Phila 7, Pa
Pulva Corp, 550 High St, Perth Amboy, N J
Pulverizing Machy Co, Chatham Rd, P O Box 569, Summit, N J
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Tri-Homo Corp, 90 Highland Ave, Salem, Mass

GRANULATORS, CRUSHER AND MILL

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
American Pulverizer Co, 1249 Macklind Ave, St Louis 10, Mo
Ball & Jewell, 22 Franklin St, Bklyn 22, N Y
Bauer Bros Co, 1727 Sheridan Ave, Springfield, Ohio
J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Hardinge Co, 240 Arch St, York, Pa
International Engrg, Dayton 1, Ohio
Mercer-Robinson Co, 30 Church St, N Y 7
Parten Mach Co, 311 Portland Ave, Minneapolis 51, Minn
Pennsylvania Crusher Co, 1721 Liberty Trust Bldg, Phila 7, Pa
Pulva Corp, 550 High St, Perth Amboy, N J
Pulverizing Machy Co, Chatham Rd, P O Box 569, Summit, N J
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal
Tri-Homo Corp, 90 Highland Ave, Salem, Mass

BUYERS' GUIDE ISSUE

GRINDERS, MILLS

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
American Pulverizer Co, 1249 Mackland Ave, St Louis 10, Mo
Bauer Bros Co, 1727 Sheridan Ave, Springfield, Ohio
Combustion Engrg-Superheater, 1308 N Branch St, Chicago 22, Ill
Gruendler Crusher & Pulverizer Co, 2911-19 Market St, St Louis 3, Mo
Hardinge Co, 240 Arch St, York, Pa
International Engrg, Dayton 1, Ohio
Mercer-Robinson Co, 30 Church St, N Y 7
Mine & Smelter Supply Co, 1422 17 St, Denver 17, Col
Parten Mach Co, 311 Portland Ave, Minneapolis 15, Minn
Pennsylvania Crusher Co, 1721 Liberty Trust Bldg, Phila 7, Pa
Premier Mills Corp, 218 Genesee St, Geneva, N Y
Pulva Corp, 550 High St, Perth Amboy, N J
Pulverizing Machy Co, Chatham Rd, P O Box 569, Summit, N J
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
Straub Co, 4059 Ridge Ave, Phila, Pa
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass
Tri-Homo Corp, 90 Highland Ave, Salem, Mass
U S Stoneware Co, 60 E 42 St, N Y
Williams Patent Crusher & Pulverizer Co, 813 Montgomery St, St Louis, Mo

GRIZZLIES

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Denver Equipment Co, 1400 17 St, Denver 17, Col
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
George Haiss Mfg Co, 381 Canal Pl, Bronx 51, N Y
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Nordberg Mfg Co, Milwaukee 7, Wis
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Traylor Engrg & Mfg Co, Allentown, Pa

GUARDS, MACHINERY

Falstrom Co, 9 Falstrom Court, Passaic, N J
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
Littleford Bros, 453 Pearl St, Cincinnati 2, Ohio
Logan Co, 1115 Franklin St, Louisville 6, Ky
Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio
M H Treadwell Co, 140 Cedar St, N Y 6

HAND CREAMS, PROTECTIVE

American Optical Co, 200 Mechanic St, Southbridge, Mass
E D Bullard Co, 275 8 St, San Francisco 3, Cal
Davis Emergency Equipment Co, 43 Halleck St, Newark 4, N J
E I Du Pont de Nemours & Co Inc, Fabrics & Finishes Dept, Wilmington 98, Del
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Gen Elec Co, Pittsfield, Mass
Milburn Co, 3246 Woodbridge St, Detroit 7, Mich
Mine Safety Appliance Co, Braddock Ave, Pittsburgh 8, Pa
Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio

HATS AND CAPS, PROTECTIVE

E D Bullard Co, 275 8 St, San Francisco 3, Cal
Davis Emergency Equipment Co, 43 Halleck St, Newark 4, N J
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Industrial Products Co, 3015 N 4 St, Phila 33, Pa
Mine Safety Appliance Co, Braddock Ave, Pittsburgh 8, Pa
Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio

HEADS, BOILER AND TANK

Babcock & Wilcox, 85 Liberty St, N Y 6
Colorado Fuel & Iron Corp, P O Box 1920, Denver 1, Col
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
Edgemoor Iron Works, Edgemoor, Del
Lukens Steel Co, 1949 Gillen St, Coatesville, Pa
A B Murray Co, 649 Green Lane, Elizabeth, N J
National Annealing Box Co, Washington, Pa
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal

HEAT EXCHANGERS

Acme Coppersmithing & Mach Co, Oreland, Pa
R P Adams Co, 225 E Park Dr, Buffalo 17, N Y
Aerofin Corp, 401 S Geddes St, Syracuse 1, N Y
American Copper & Brass Works, 610 E Front St, Cincinnati 2, Ohio

HEAT EXCHANGERS, continued

American District Steam Co, 380 Bryant St, Tonawanda, N Y
Andale Co, 1740 Cherry St, Phila 3, Pa
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Babcock & Wilcox, 85 Liberty St, N Y 6
Bell & Gossett Co, Morton Grove, Ill
Binks Mfg Co, 3114-40 Carroll Ave, Chicago, Ill
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
British-American Carbon Corp, 18 E 48 St, N Y
Brown Fintube Co, Elyria, Ohio
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Cochrane Corp, 3154 N 17 St, Phila 32, Pa
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
Corning Glass Works, Corning, N Y
Croll Reynolds Co, 17 John St, N Y 38
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Downingtown Iron Works, Downingtown, Pa
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Duriron Co, 450 N Finley St, Dayton 1, Ohio
Eastern Industries, 296 Elm St, New Haven, Conn
Edgemoor Iron Works, Edgemoor, Del
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Enzinger Union Corp, Angola, N Y
Falls Industries, Aurora Rd, Solon, Ohio
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gasoline Plant Construction Corp, Neils Esperson Bldg, Houston 2, Tex
Gen Elec Co, 5 Lawrence St, Bloomfield, N J
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Girdler Corp, 224 E Broadway, Louisville, Ky
Graham Mfg Co, 145 Lexington Ave, N Y 17
Emil Greiner Co, 20-26 N Moore St, N Y 13
Griscom Russell Co, Massillon, Ohio
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
Hudson Engrg Corp, 2711 Danville St, Houston 6, Tex
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 8 Lister Ave, Newark 5, N J
Joy Mfg Co, Oliver Bldg, Pittsburgh 22, Pa
Walter Kidde & Co, 675 Main St, Belleville 9, N J
Arthur D Little, Cambridge 42, Mass
Lummus Co, 385 Madison Ave, N Y 17
Marley Co, 222 W Gregory Blvd, Kansas City 5, Mo
McCord Corp, 2587 E Grand Blvd, Detroit 11, Mich
J C Miller Co, 631 Chestnut St W, Grand Rapids, Mich
Modine Mfg Co, Racine, Wis
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
National Airoil Burner Co, 1348 E Sedgley Ave, Phila 34, Pa
National Radiator Co, 60 E 42 St, N Y 17
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Norton Co, 1 New Bond St, Worcester 6, Mass
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pressed Steel Tank Co, 1499 S 66 St, Milwaukee 14, Wis
J F Pritchard & Co, 908 Grand Ave, Kansas City 6 Mo
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal
J O Ross Engrg Corp, 444 Madison Ave, N Y 22
Ross Heater & Mfg Co, 1434 West Ave, Buffalo, N Y
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Sentinel Glass Co, Box 88, Hatboro, Pa
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Taco Heaters, 137 South St, Providence 3, R I
Trane Co, 300 Cameron Ave, La Crosse, Wis
Union Iron Works, 15 & Cascade Sts, Erie, Pa
U S Pipe & Foundry Co, Pearl St, Burlington, N J
Vilter Mfg Co, 2117 S 1 St, Milwaukee 7, Wis
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Western Precipitation Corp, 1030 W 9 St, Los Angeles 15, Cal
Western Supply Co, 424 N Boulder St, Tulsa, Okla
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa
Young Radiator Co, 6 & Marquette Sts, Racine, Wis
York Corp, Roosevelt & P R R, York, Pa

HEATERS, AIR AND GAS

Air Devices, 17 E 42 St, N Y 17
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Despatch Oven Co, 619 S E 8 St, Minneapolis 15, Minn
J E Doyle Co, 1220 W 6 St, Cleveland 13, Ohio
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Foster-Wheeler Corp, 165 Broadway, N Y 6
Graham Mfg Co, 415 Lexington Ave, N Y 17
Green Fuel Economizer Co, Beacon, N Y

HEATERS, AIR AND GAS, continued

Emil Greiner Co, 20-26 N Moore St, N Y 13
Griscom Russell Co, Massillon, Ohio
Heater & Mfg Co, 1434 West Ave, Buffalo, N Y
I L G Elec Ventilating Co, 2850 N Pulaski Ave, Chicago 41, Ill
Lummus Co, 385 Madison Ave, N Y 17
Mid-Continent Metal Products Co, 1960 N Clybourn Ave, Chicago 14, Ill
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
J O Ross Engrg Corp, 444 Madison Ave, N Y 22
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Trane Co, 300 Cameron Ave, La Crosse, Wis
Union Iron Works, 15 & Cascade Sts, Erie, Pa
U S Plywood Corp, 55 W 44, St, N Y 18
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa
L J Wing Mfg Co, 300 Vreeland Mills Rd, Linden, N J
Wyssmont Co, 31-08 N Blvd, L I C 1, N Y

HEATERS, ELECTRIC

American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
Blaw-Knox Co, Blawnox, Pa
Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis
Despatch Oven Co, 619 S E 8 St, Minneapolis 15, Minn
J E Doyle Co, 1220 W 6 St, Cleveland 13, Ohio
Electromode Corp, 45 Crouch St, Rochester 3, N Y
Enthone Inc, 422 Elm St, New Haven, Conn
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Fostoria Pressed Steel Corp, Fostoria, Ohio
Gen Elec Co, Schenectady 5, N Y
Emil Greiner Co, 20-26 N Moore St, N Y 13
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
Hevi Duty Elec Co 4212 Highland Blvd, Milwaukee, Wis
I L G Elec Ventilating Co, 2850 Pulaski Ave, Chicago 41, Ill
Trent Inc, 4585 Wilde St, Phila 27, Pa
Union Iron Works, 15 & Cascade Sts, Erie, Pa
U S Hoffman Mach Co, 219 Lamson St, Syracuse 6, N Y
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa
Will Corp, Rochester 3, N Y
L J Wing Mfg Co, 300 Vreeland Mills Rd, Linden, N J

HEATERS, ELECTRONIC

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Gen Elec Co, Schenectady 5, N Y
Hauck Mfg Co, 124-136 10 St, Bklyn 15, N Y
Radio Corp of America, Camden, N J

HEATERS, FEED WATER

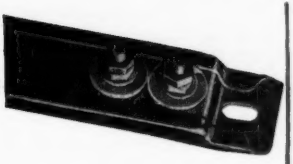
Acme Coppersmithing & Mach Co, Oreland, Pa
American District Steam Co, 380 Bryant St, N Tonawanda, N Y
Bell & Gossett Co, Morton Grove, Ill
Cochrane Corp, 3154 N 17 St, Phila 32, Pa
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Croll Reynolds Co, 17 John St, N Y 38
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Elliott Co, 900 N 4 St, Jeannette, Pa
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Graham Mfg Co, 415 Lexington Ave, N Y 17
Graver Water Conditioning Co, 216 W 13 St, N Y 11
Griscom Russell Co, Massillon, Ohio
Heater & Mfg Co, 1434 West Ave, Buffalo, N Y
Lummus Co, 385 Madison Ave, N Y 17
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Sellers Injector Corp, 1600 Hamilton St, Phila 30, Pa
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Western Supply Co, 424 N Boulder St, Tulsa, Okla
Whitlock Mfg Co, 74 South St, Hartford 10, Conn

HEATERS, GAS-FIRED

Black, Sivalls & Byrson, 7500 E 12 St, Kansas City 3, Mo
Brown Fintube Co, Elyria, Ohio
Bryant Industrial Div, 17825 St Clair Ave, Cleveland 10, Ohio
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
James B Clow & Sons, 201-299 N Talman Ave, Chicago 80, Ill
Despatch Oven Co, 619 S E 8 St, Minneapolis 15, Minn
Gen Elec Co, 5 Lawrence St, Bloomfield, N J
I L G Elec Ventilating Co, 2850 N Pulaski Ave, Chicago 41, Ill
C M Kemp Mfg Co, 405 E Oliver St, Baltimore 2, Md
Ozark-Mahoning Co, 310 W 6 St, Tulsa, Okla
Power Engrg Corp, 205 W Wacker Dr, Chicago 16, Ill
J O Ross Engrg Corp, 444 Madison Ave, N Y 22
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Trane Co, 300 Cameron Ave, La Crosse, Wis
Union Iron Works, 15 & Cascade Sts, Erie, Pa

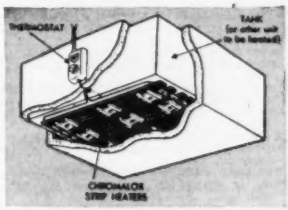
CHROMALOX offers you efficient and economical *Packaged Electric Heat*—to fit your specific needs

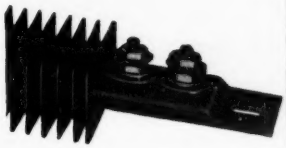
CHROMALOX Electric Heaters give dependable "on-the-spot" heat where and when heat is needed. They produce uniform and accurate temperatures with automatic or manual control. Low initial cost, low installation cost and low operating costs are among the other advantages they give you.



CHROMALOX STRIP HEATERS

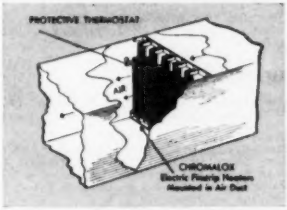
Easy-to-install CHROMALOX Strip Heaters are clamped to flat or curved surfaces, round vats, pipes and tubes. They are made in straight lengths, rings and segments . . . and may be curved or bent to fit cylindrical or "dished" surfaces. Typical applications include: armatures, cleaning tanks, molds, process kettles, plating baths, revolving rolls, etc.

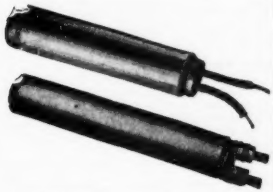




CHROMALOX FINSTRIP HEATERS

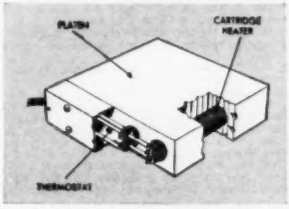
Finstrip Heaters are used for drying, curing, space heating and other applications requiring heated air under forced circulation. Air and gases are quickly and easily heated; uniform operating temperatures up to 750°F. are accurately maintained by thermostatic control. Finstrips, designed for minimum turbulence, are well suited for use in air-ducts.

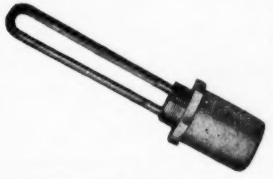




CHROMALOX CARTRIDGE HEATERS

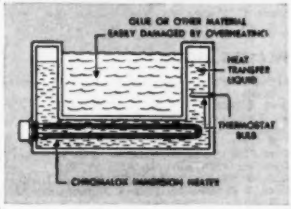
Compact CHROMALOX Cartridge Heaters are ideal for use when concentrated heat is needed. Inserted into close-fitting holes, they provide easily controlled heat for dies, molds, platens, etc. They are quickly and easily installed in stationary or moving parts with minimum labor and material costs; they may be controlled for accurate, dependable, care-free operation.





CHROMALOX IMMERSION HEATERS

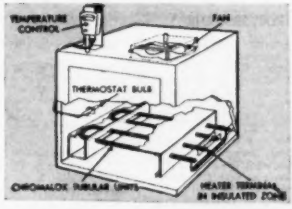
CHROMALOX Immersion Heaters are used in degreasing, cleaning, pickling and plating baths; for melting greases, asphalts and similar viscous fluids; for heating Dowtherm, Arochlor, Prestone, and other heat-transfer mediums. Available in many sizes and types, with alloy sheaths to resist corrosive action.





CHROMALOX TUBULAR HEATERS

These heaters, in straight or tailored shapes are used for convection, conduction and radiant heating. They may be clamped to metal surfaces, used in ovens, or immersed in greases. They are especially useful to heat ovens, calenders, molding-presses and similar equipment utilizing heat.



CHROMALOX NATION-WIDE ENGINEERING SERVICE AVAILABLE



Technical know-how for solving thousands of heating problems is available to you without obligation. Chromalox Application Engineers, located in principal cities, will work with you in adapting electric heat to your product or process. Write for name of Chromalox Engineer nearest you.

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1C-42A

HEATERS, IMMERSION

American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Blaw-Knox Co, Blawnox, Pa
Brown Fintube Co, Elyria, Ohio
Bryant Industrial Div, 17825 St Clair Ave, Cleveland 10, Ohio
Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Corning Glass Works, Corning, N Y
Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis
Enthone Inc, 442 Elm St, New Haven, Conn
Falls Industries, Aurora Rd, Solon, Ohio
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Gen Elec Co, Schenectady 5, N Y
Emil Greiner Co, 20-26 N Moore St, N Y 13
Hanson-Van Winkle Munning Co, Matawan, N J
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
C M Kemp Mfg Co, 405 E Oliver St, Baltimore 2, Md
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Arthur & La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Ozark-Mahoning Co, 310 W 6 St, Tulsa, Okla
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Trent Inc, 4585 Wilde St, Phila 27, Pa
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa

HEATERS, LIQUID

Acme Coppersmithing & Machine Co, Oreland, Pa
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Brown Fintube Co, Elyria, Ohio
Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gen Elec Co, Schenectady 5, N Y
Griscom Russell Co, Massillon, Ohio
Heater & Mfg Co, 1434 West Ave, Buffalo, N Y
Industrial Engrs, 8 Lister Ave, Newark 5, N J
C M Kemp Mfg Co, 405 E Oliver St, Baltimore 2, Md
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Quaker City Iron Works, Aramingo Ave, & Ontario St, Phila, Pa
Selas Corp of America, Erie Ave, & D St, Phila 34, Pa
Sellers Injector Corp, 1600 Hamilton St, Phila 30, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Taco Heaters, 137 South St, Providence 3, R I
Trent Inc, 4585 Wilde St, Phila 27, Pa
Union Iron Works, 15 & Cascade Sts, Erie, Pa
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa

HEATERS, MOLTEN SALT

Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Gen Elec Co, Schenectady 5, N Y
Griscom Russell Co, Massillon, Ohio
C M Kemp Mfg Co, 405 E Oliver St, Baltimore 2, Md
Selas Corp of America, Erie Ave, & D St, Phila 34, Pa
Trent Inc, 4585 Wilde St, Phila 27, Pa
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Edwin L Wiegand Co, 7557 N Thomas Blvd, Pittsburgh 8, Pa

HEATERS, OIL

American District Steam Co, 380 Bryant St, N Tonawanda, N Y
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Andale Co, 1740 Cherry St, Phila 3, Pa
Anthony Co, 47-33 Fifth St, L I C 1, N Y
Bell & Gossett Co, Morton Grove, Ill
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Brown Fintube Co, Elyria, Ohio
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Despatch Oven Co, 619 S E 8 St, Minneapolis 15, Minn
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gen Elec Co, Schenectady 5, N Y
Graham Mfg Co, 415 Lexington Ave, N Y 17
Griscom Russell Co, Massillon, Ohio
Hauck Mfg Co, 124-136 10 St, Bklyn 15, N Y
Heater & Mfg Co, 1434 West Ave, Buffalo, N Y
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Lummus Co, 385 Madison Ave, N Y 17
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
J O Ross Engrg Corp, 444 Madison Ave, N Y 22
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Taco Heaters, 137 South St, Providence 3, R I

HEATERS, OIL, continued

Trent Inc, 4585 Wilde St, Phila 27, Pa
U S Hoffman Mach Co, 219 Lamson St, Syracuse 6, N Y
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
Western Supply Co, 424 N Boulder St, Tulsa, Okla
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Edwin L Weigand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa

HEATERS, OVEN

Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis
Despatch Oven Co, 619 S E 8 St, Minneapolis 15, Minn
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Fostoria Pressed Steel Corp, Fostoria, Ohio
Gen Elec Co, Schenectady 5, N Y
J O Ross Engrg Corp, 444 Madison Ave, N Y 22
Trent Inc, 4585 Wilde St, Phila 27, Pa
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa

HEATERS, UNIT

American Blower Corp, 8111 Tireman St, Detroit 32, Mich
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Bryant Industrial Div, 17825 St Clair Ave, Cleveland 10, Ohio
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
James B Clow & Sons, 201-299 N Talman Ave, Chicago 80, Ill
J E Doyle Co, 1220 W 6 St, Cleveland 13, Ohio
Electromode Corp, 45 Crouch St, Rochester 3, N Y
Fisher Scientific Co, 717 Forbes St, Pitsburgh 19, Pa
Gen Elec Co, Schenectady 5, N Y
Grinnell Co, 260 W Exchange St, Providence 1, R I
I L G Elec Ventilating Co, 2850 N Pulaski Ave, Chicago 41, Ill
McCord Corp, 2587 E Grand Blvd, Detroit 11, Mich
McQuay, Inc, 1600 Broadway N E, Minneapolis 13, Minn
Modine Mfg Co, 1300 De Koven, Racine, Wis.
D J Murray Co, 1002-1024 3 St, Wausau, Wis
Tenney Engrg, 26 Ave B, Newark 5, N J
Trane Co, 300 Cameron Ave, La Crosse, Wis
Warren Webster & Co, 1730 Federal St, Camden, N J
Westinghouse Elec Co, Hyde Park, Boston 36, Mass
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa
L J Wing Mfg Co, 300 Vreeland Mills Rd, Linden, N J
Young Radiator Co, 6 & Marquette Sts, Racine, Wis

HEATING SYSTEMS, DOWTHERM

Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Eclipse Engrg Co, 703 S Main St, Rockford, Ill
Foster-Wheeler Corp, 165 Broadway, N Y 6
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Union Iron Works, 15 & Cascade Sts, Erie, Pa
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa

HEATING SYSTEMS, HOT OIL

Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Brown Fintube Co, Elyria, Ohio
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Hauck Mfg Co, 123-133 10 St, Bklyn 15, N Y
Lummus Co, 385 Madison Ave, N Y 17
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Union Iron Works, 15 & Cascade Sts, Erie, Pa
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa

HELMETS, SAFETY

American Optical Co, 200 Mechanic St, Southbridge, Mass
Apex Elec Mfg Co, 7424 Bessemer Ave, Cleveland 27, Ohio
E D Bullard Co, 275 8 St, San Francisco 3, Cal
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Goggle Parts Co, 1468 W 9 St, Cleveland 13, Ohio
McCord Corp, 2587 E Grand Blvd, Detroit 11, Mich
Mine Safety Appliance Co, Braddock Ave, Pittsburgh 8, Pa
Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio

HOISTS, AIR

Chicago Pneumatic Tool Co, 6 E 44 St, N Y 17
Ingersoll-Rand Co, Phillipsburg, N J
Joy Mfg Co, Oliver Bldg, Pittsburgh 22, Pa
Nordberg Mfg Co, Milwaukee 7, Wis
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill

HOISTS, CHAIN

American Chain & Cable Co, Wright Hoist Div, York, Pa
Mercer-Robinson Co, 30 Church St, N Y 7
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
U S Steel Supply Co, 208 S LaSalle St, Chicago 4, Ill

HOISTS, ELECTRIC

American Chain & Cable Co, Wright Hoist Div, York, Pa
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
Chicago Pneumatic Tool Co, 6 E 44 St, N Y 17
Electro Lift, 30 Church St, N Y 7
Harnischfeger Corp, 4400 W National Ave, Milwaukee 14, Wis
Joy Mfg Co, Oliver Bldg, Pittsburgh 22, Pa
Lewis-Shepard Products, 119 Walnut St, Watertown 72, Mass
Nordberg Mfg Co, Milwaukee 7, Wis
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
Shepard Niles Crane & Hoist Corp, Schuyler Ave, Montour Falls, N Y
Silent Hoist & Crane Co, 848 63 St, Bklyn 20, N Y
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Stenhens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
U S Steel Supply Co, 208 S LaSalle St, Chicago 4, Ill
Vulcan Iron Works, 1730 Main St, Wilkes-Barre, Pa
Whiting Corp, Swenson Evaporator Div, Harvey, Ill

HOISTS, HAND

American Chain & Cable Co, Wright Hoist Div, York, Pa
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Lewis-Shepard Products, 119 Walnut St, Watertown 72, Mass
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
Shepard Niles Crane & Hoist Corp, Schuyler Ave, Montour Falls, N Y
Stenhens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
U S Steel Supply Co, 208 LaSalle St, Chicago 4, Ill

HOISTS, PORTABLE

American Chain & Cable Co, Wright Hoist Div, York, Pa
Chicago Pneumatic Tool Co, 6 E 44 St, N Y 17
Economy Engrg Co, 4511 W Lake St, Chicago 24, Ill
Electro Lift, 30 Church St, N Y 7
Joy Mfg Co, Oliver Bldg, Pittsburgh 22, Pa
Lewis-Shepard Products, 119 Walnut St, Watertown 72, Mass
Rembaator Co, 2019 86 St, N Bergen, N J
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
Shepard Niles Crane & Hoist Corp, Schuyler Ave, Montour Falls, N Y
Silent Hoist & Crane Co, 848 63 St, Bklyn 20, N Y
U S Steel Supply Co, 208 S LaSalle St, Chicago 4, Ill

HOISTS, SKIP

G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Beaumont Birch Co, 1526 Pace St, Phila 2, Pa
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
Colson Equipment & Supply Co, 1317 Willow St, Los Angeles 13, Cal
J C Corrinan Co, 41 Norwood St, Boston 22, Mass
Economy Engrg Co, 4511 W Lake St, Chicago 24, Ill
Fairfield Engrg Co, Marion, Ohio
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Joy Mfg Co, Oliver Bldg, Pittsburgh 22, Pa
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Mercer-Robinson Co, 30 Church St, N Y 7
Nordberg Mfg Co, Milwaukee 7, Wis
Shepard Niles Crane & Hoist Corp, Schuyler Ave, Montour Falls, N Y
Silent Hoist & Crane Co, 848 63 St, Bklyn 20, N Y
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Stenhens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Vulcan Iron Works, 1730 Main St, Wilkes-Barre, Pa

HOMOGENIZERS

Admiral Tool & Die Co, 45-14 Vernon Blvd, L I C 1, N Y
American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Chemicolloid Labs, 30 Church St, N Y
Cherry-Burrell Corp, 427 W Randolph St, Chicago 6, Ill
Cornell Mach Co, 99 Wall St, N Y
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
G W Logeman Co, 633 Bergen St, Bklyn 17, N Y

HOMOGENIZERS, continued

Premier Mills Corp, 218 Genesee St, Geneva, N Y
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Tri-Homo Corp, 90 Highland Ave, Salem, Mass

HOPPERS

Allen-Sherman-Hoff Co, 259 E Lancaster Ave, Wynnewood, Pa
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Bodinson Mfg Co, 2401 Bayshore Blvd, San Francisco 24, Cal
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
W E Caldwell Co, 2530 Brook St, Louisville, Ky
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Falstrom Co, 9 Falstrom Court, Passaic, N J
Glasco Equipment Corp, 6 Wait St, Paterson 4, N J
Passaic, N J
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Littleford Bros, 453 Pearl St, Cincinnati 2, Ohio
Metal Products Corp, 50 W 19 St, Weehawken, N J
National Annealing Box Co, Washington, Pa
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
Read Standard Corp, York, Pa
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

HOPPERS, AUTOMATIC WEIGHING

Bodinson Mfg Co, 2401 Bayshore Blvd, San Francisco 24, Cal
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
Peerless Bread Machy Corp, Park St, Sidney, Ohio
Read Standard Corp, York, Pa
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J

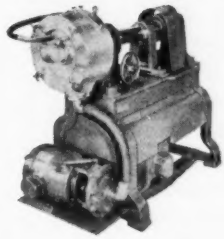
HOSE, ACID RESISTING

Aeroquip Corp, 300 S East Ave, Jackson, Mich
Allied Metal Hose Co, 37-46 9 St, L I C 1, N Y
American Brass Co, 698 S Main St, Waterbury 20, Conn
Atlantic Metal Hose Co, 123 W 64 St, N Y
Boston-Woven Hose & Rubber Co, 29 Hampshire St, Cambridge, Mass
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Chicago Metal Hose Co, 1315 S 3 St, Maywood, Ill
Chiksan Co, Brea, Cal
Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
Hamilton Rubber Mfg Corp, Mead St, Trenton 3, N J
Hewitt-Robins, Hewitt Rubber Div, 240 Kensington Ave, Buffalo 5, N Y
Irvington Varnish & Insulator Co, 6 Argyle Terrace, Irvington 11, N J
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Pioneer Rubber Mills, 353 Sacramento St, San Francisco 11, Cal
H K Porter Co, 4915 Comly St, Wissinoming, Phila 24, Pa
Raybestos-Manhattan, 61 Willet St, Passaic, N J
Republic Rubber Div, Lee Rubber & Tire Corp, Albert St, Youngstown 1, Ohio
U S Rubber Co, L H Gilmer Div, Tacony, Phila 35, Pa
U S Rubber Co, 1230 6 Ave, N Y 20
U S Steel Supply Co, 208 S LaSalle St, Chicago 4, Ill
U S Stoneware Co, 60 E 42 St, N Y

HOSE, AIR

Aeroquip Corp, 300 S East Ave, Jackson, Mich
American Brass Co, 698 S Main St, Waterbury 20, Conn
Atlantic Metal Hose Co, 123 W 64 St, N Y
Binks Mfg Co, 3114 Carroll Ave, Chicago 12, Ill
Boston-Woven Hose & Rubber Co, 29 Hampshire St, Cambridge, Mass
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Chicago Metal Hose Co, 1315 S 3 St, Maywood, Ill
Chicago Pneumatic Tool Co, 6 E 44 St, N Y 17
Chiksan Co, Brea, Cal
E I Du Pont de Nemours & Co Inc, Fabrics & Finishes Dept, Wilmington 98, Del
Eimco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
Hamilton Rubber Mfg Corp, Mead St, Trenton 3, N J
Hewitt-Robins, Hewitt Rubber Div, 240 Kensington Ave, Buffalo 5, N Y
Ingersoll-Rand Co, Phillipsburg, N J
Joy Mfg Co, Oliver Bldg, Pittsburgh 22, Pa

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Salem, Mass., U. S. A.

HOSE, AIR, continued

Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
Metal Hose & Tubing Co, W Clinton St, Dover, N J
Pioneer Rubber Mills, 353 Sacramento St, San Francisco, 11, Cal
H K Porter Co, 4915 Comly St, Wissinoming, Phila 24, Pa
Raybestos-Manhattan, 61 Willet St, Passaic, N J
Republic Rubber Div, Lee Rubber & Tire Corp, Albert St, Youngstown 1, Ohio
Schromm Inc, W Chester, Pa
Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14, Ill
U S Rubber Co, L H Gilmer Div, Tacony, Phila 35, Pa
U S Rubber Co, 1230 6 Ave, N Y 20
U S Steel Supply Co, 208 S LaSalle St, Chicago 4, Ill
U S Stoneware Co, 60 E 42 St, N Y
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio
Thomas C Wilson, 21-11 44 Ave, L I C 5, N Y

HOSE, FIRE

Aeroquip Corp, 300 S East Ave, Jackson, Mich
Boston-Woven Hose & Rubber Co, 29 Hampshire St, Cambridge, Mass
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
Hamilton Rubber Mfg Corp, Mead St, Trenton 3, N J
Hewitt-Robins, Hewitt Rubber Div, 240 Kensington Ave, Buffalo 5, N Y
H K Porter Co, 4915 Comly St, Wissinoming, Phila 24, Pa
Raybestos-Manhattan, 61 Willet St, Passaic, N J
Republic Rubber Div, Lee Rubber & Tire Corp, Albert St, Youngstown 1, Ohio
U S Rubber Co, 1230 6 Ave, N Y 20
U S Steel Supply Co, 208 S LaSalle St, Chicago 4, Ill

HOSE, GREASE

Aeroquip Corp, 300 S East Ave, Jackson, Mich
American Brass Co, 698 S Main St, Waterbury 20, Conn
Atlantic Metal Hose Co, 123 W 64 St, N Y
Boston-Woven Hose & Rubber Co, 29 Hampshire St, Cambridge, Mass
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Chicago Metal Hose Co, 1315 S 3 St, Maywood, Ill
Gates Rubber Co, 999 S Broadway, Denver 17, Col
Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
Gray Co, 60 11 Ave N E, Minneapolis 13, Minn
Hamilton Rubber Mfg Corp, Mead St, Trenton 3, N J
Hewitt-Robins, Hewitt Rubber Div, 240 Kensington Ave, Buffalo 5, N Y
Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
Metal Hose & Tubing Co, W Clinton St, Dover, N J
H K Porter Co, 4915 Comly St, Wissinoming, Phila 24, Pa
Republic Rubber Div, Lee Rubber & Tire Corp, Youngstown 1, Ohio
Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14 Ill
U S Rubber Co, 1230 6 Ave, N Y 20
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

HOSE, HIGH PRESSURE

Aeroquip Corp, 300 S East Ave, Jackson, Mich
Allied Metal Hose Co, 37-46 9 St, L I C 1, N Y
American Brass Co, 698 S Main St, Waterbury 20, Conn
Atlantic Metal Hose Co, 123 W 64 St, N Y
Boston-Woven Hose & Rubber Co, 29 Hampshire St, Cambridge, Mass
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Chicago Metal Hose Co, 1315 S 3 St, Maywood, Ill
Chicksan Co, Brea, Cal

HOSE, HIGH PRESSURE, continued

Gates Rubber Co, 999 S Broadway, Denver 17, Col
Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
Hamilton Rubber Mfg Corp, Mead St, Trenton 3, N J
Hewitt-Robins, Hewitt Rubber Div, 240 Kensington Ave, Buffalo 5, N Y
Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
Metal Hose & Tubing Co, W Clinton St, Dover, N J
Pioneer Rubber Mills, 353 Sacramento St, San Francisco 11, Cal
H K Porter Co, 4915 Comly St, Wissinoming, Phila 24, Pa
Raybestos-Manhattan, 61 Willet St, Passaic, N J
Republic Rubber Div, Lee Rubber & Tire Corp, Youngstown 1, Ohio
U S Rubber Co, L H Gilmer Div, Tacony, Phila 35, Pa
U S Rubber Co, 1230 6 Ave, N Y 20
U S Steel Supply Co, 208 LaSalle St, Chicago 4, Ill
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

HOSE, METAL, FLEXIBLE

Aeroquip Corp, 300 S East Ave, Jackson, Mich
Allied Metal Hose Co, 37-46 9 St, L I C 1, N Y
American Brass Co, 698 S Main St, Waterbury 20, Conn
Atlantic Metal Hose Co, 123 W 64 St, N Y
Chicago Metal Hose Co, 1315 S 3 St, Maywood, Ill
Chiksan Co, Brea, Cal
Eimco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio
Zallea Bros, Taylor & Locust Sts, Wilmington 99, Del

HOSE, OIL AND GASOLINE

Aeroquip Corp, 300 S East Ave, Jackson, Mich
American Brass Co, 698 S Main St, Waterbury 20, Conn
Atlantic Metal Hose Co, 123 W 64 St, N Y
Boston-Woven Hose & Rubber Co, 29 Hampshire St, Cambridge, Mass
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Chicago Metal Hose Co, 1315 S 3 St, Maywood, Ill
Chiksan Co, Brea, Cal
Gates Rubber Co, 999 S Broadway, Denver 17, Col
Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
Hamilton Rubber Mfg Corp, Mead St, Trenton 3, N J
Hewitt-Robins, Hewitt Rubber Div, 240 Kensington Ave, Buffalo 5, N Y
Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Metal Hose & Tubing Co, W Clinton St, Dover, N J
Pioneer Rubber Mills, 353 Sacramento St, San Francisco 11, Cal
H K Porter Co, 49155 Comly St, Wissinoming, Phila 24, Pa
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
Raybestos-Manhattan, 61 Willet St, Passaic, N J
Republic Rubber Div, Lee Rubber & Tire Corp, Albert St, Youngstown 1, Ohio
Resistoflex Corp, 37 Plansoen St, Belleville 9, N J
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14, Ill
U S Rubber Co, 1230 6 Ave, N Y 20
U S Steel Supply Co, 208 LaSalle St, Chicago 4, Ill
U S Stoneware Co, 60 E 42 St, N Y
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

HOSE, OXYACETYLENE

Aeroquip Corp, 300 S East Ave, Jackson, Mich
Air Reduction Co, 60 E 42 St, N Y 17
American Brass Co, 698 S Main St, Waterbury 20, Conn
Boston-Woven Hose & Rubber Co, 29 Hampshire St, Cambridge, Mass
Gates Rubber Co, 999 S Broadway, Denver 17, Col
Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
Hamilton Rubber Mfg Corp, Mead St, Trenton 3, N J
Hewitt-Robbins, Hewitt Rubber Div, 240 Kensington Ave, Buffalo 5, N Y

HOSE, OXYACETYLENE, continued

Linde Air Products Co, 30 E 42 St, N Y 17
Pioneer Rubber Mills, 353 Sacramento St, San Francisco 11, Cal
H K Porter Co, 4915 Comly St, Wissinoming, Phila 24, Pa
Raybestos-Manhattan, 61 Willet St, Passaic, N J
Republic Rubber Div, Lee Rubber & Tire Corp, Albert St, Youngstown 1, Ohio
U S Rubber Co, L H Gilmer Div, Tacony, Phila 35, Pa
U S Rubber Co, 1230 6 Ave, N Y 20
U S Steel Supply Co, 208 LaSalle St, Chicago 4, Ill

HOSE, PETROLEUM SOLVENTS

Aeroquip Corp, 300 S East Ave, Jackson, Mich
American Brass Co, 698 S Main St, Waterbury 20, Conn
Atlas Mineral Products Co, Mertztown, Pa
Boston-Woven Hose & Rubber Co, 29 Hampshire St, Cambridge, Mass
Chicago Metal Hose Co, 1315 S 3 St, Maywood, Ill
Chiksan Co, Brea, Cal
Gates Rubber Co, 999 S Broadway, Denver 17, Col
Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
Gray Co, 60 11 Ave N E, Minneapolis 31, Minn
Hewitt-Robins, Hewitt Rubber Div, 240 Kensington Ave, Buffalo 5, N Y
Island Equipment Corp, 27-01 Bridge Plaza N, L I C 1, N Y
Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
Metal Hose & Tubing Co, W Clinton St, Dover, N J
Pioneer Rubber Mills, 353 Sacramento St, San Francisco 11, Cal
H K Porter Co, 4915 Comly St, Wissinoming, Phila 24, Pa
Raybestos-Manhattan, 61 Willet St, Passaic, N J
Republic Rubber Div, Lee Rubber & Tire Corp, Albert St, Youngstown 1, Ohio
Resistoflex Corp, 37 Plansoen St, Belleville 9, N J
U S Rubber Co, 1230 6 Ave, N Y 20
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

HOSE, RUBBER

Aeroquip Corp, 300 S East Ave, Jackson, Mich
Binks Mfg Co, 3114-40 Carroll Ave, Chicago, Ill
Boston-Woven Hose & Rubber Co, 29 Hampshire St, Cambridge, Mass
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Gates Rubber Co, 999 S Broadway, Denver 17, Col
Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
Hamilton Rubber Mfg Corp, Mead St, Trenton 3, N J
Hewitt-Robins, Hewitt Rubber Div, 240 Kensington Ave, Buffalo 5, N Y
Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
Metal Hose & Tubing Co, W Clinton St, Dover, N J
Pioneer Rubber Mills, 353 Sacramento St, San Francisco 11, Cal
H K Porter Co, 4915 Comly St, Wissinoming, Phila 24, Pa
Raybestos-Manhattan, 61 Willet St, Passaic, N J
Republic Rubber Div, Lee Rubber & Tire Corp, Albert St, Youngsown 1, Ohio
Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14, Ill
U S Rubber Co, L H Gilmer Div, Tacony, Phila 35, Pa
U S Rubber Co, 1230 6 Ave, N Y 20
U S Steel Supply Co, 208 LaSalle St, Chicago 4, Ill
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

HOSE, SAND BLAST

Aeroquip Corp, 300 S East Ave, Jackson, Mich
Boston-Woven Hose & Rubber Co, 29 Hampshire St, Cambridge, Mass
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Gates Rubber Co, 999 S Broadway, Denver 17, Col
Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
Hamilton Rubber Mfg Corp, Mead St, Trenton 3, N J
Hewitt-Robins, Hewitt Rubber Div, 240 Kensington Ave, Buffalo 5, N Y
Pangborn Corp, 210 Pangborn Blvd, Hagerstown, Md
Pioneer Rubber Mills, 353 Sacramento St, San Francisco 11, Cal
H K Porter Co, 4915 Comly St, Wissinoming, Phila 24, Pa
Raybestos-Manhattan, 61 Willet St, Passaic, N J
Republic Rubber Div, Lee Rubber & Tire Corp, Youngstown 1, Ohio
U S Rubber Co, 1230 6 Ave, N Y 20
U S Steel Supply Co, 208 LaSalle St, Chicago 4, Ill

HOSE, STEAM

Aeroquip Corp, 300 S East Ave, Jackson, Mich
American Brass Co, 698 S Main St, Waterbury 20, Conn
Atlantic Metal Hose Co, 123 W 64 St, N Y
Boston-Woven Hose & Rubber Co, 29 Hampshire St, Cambridge, Mass
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Chicago Metal Hose Co, 1315 S 3 St, Maywood, Ill
Chiksan Co, Brea, Cal
Clayton Mfg Co, Box 550, El Monte, Cal
Gates Rubber Co, 999 S Broadway, Denver 17, Col
Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
Hamilton Rubber Mfg Corp, Mead St, Trenton 3, N J
Hewitt-Robins, Hewitt Ruober Div, 240 Kensington Ave, Buffalo 5, N Y
Pioneer Rubber Mills, 353 Sacramento St, San Francisco 11, Cal
H K Porter Co, 4915 Comly St, Wissinoming, Phila 24, Pa
Raybestos-Manhattan, 61 Willet St, Passaic, N J
Republic Rubber Div, Lee Rubber & Tire Corp, Albert St, Youngstown 1, Ohio
U S Rubber Co, L H Gilmer Div, Tacony, Phila 35, Pa
U S Rubber Co, 1230 6 Ave, N Y 20
U S Steel Supply Co, 208 LaSalle St, Chicago 4, Ill

HOSE, STEAM DRIVEN

Aeroquip Corp, 300 S East Ave, Jackson, Mich
Atlantic Metal Hose Co, 123 W 64 St, N Y
Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
Hewitt-Robins, Hewitt Rubber Div, 240 Kensington Ave, Buffalo 5, N Y
Pioneer Rubber Mills, 353 Sacramento St, San Francisco 11, Cal
H K Porter Co, 4915 Comly St Wissinoming, Phila 24, Pa
Raybestos-Manhattan, 61 Willet St, Passaic, N J
U S Rubber Co, 1230 6 Ave, N Y 20

HOSE, VACUUM, FLEXIBLE

Aeroquip Corp, 300 S East Ave, Jackson, Mich
American Brass Co, 698 S Main St, Waterbury 20, Conn
Atlantic Metal Hose Co, 123 W 64 St, N Y
Boston-Woven Hose & Rubber Co, 29 Hampshire St, Cambridge, Mass
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Chicago Metal Hose Co, 1315 S 3 St, Maywood, Ill
Chiksan Co, Brea, Cal
Distillation Products Industries, Rochester 3, N Y
Gates Rubber Co, 999 S Broadway, Denver 17, Col
Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
Hamilton Rubber Mfg Corp, Mead St, Trenton 3, N J
Hewitt-Robins, Hewitt Rubber Div, 240 Kensington Ave, Buffalo 5, N Y
Pioneer Rubber Mills, 353 Sacramento St, San Francisco 11, Cal
H K Porter Co, 4915 Comly St, Wissinoming, Phila 24, Pa
Raybestos-Manhattan, 61 Willet St, Passaic, N J
Republic Rubber Div, Lee Rubber & Tire Corp, Albert, St, Youngstown 1, Ohio
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
U S Rubber Co, 1230 6 Ave, N Y 20
U S Stoneware Co, 60 E 42 St, N Y
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio
Zallea Bros, Taylor & Locust Sts, Wilmington 99, Del

HOT PLATES, ELECTRIC

Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Gen Elec Co, 1285 Boston Ave, Bridgeport 2, Conn
Emil Greiner Co, 20-26 N Moore St, N Y 13
Hevi Duty Elec Co, 4212 Highland Blvd, Milwaukee, Wis
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa
Will Corp, Rochester 3, N Y

HOT PLATES, GAS

Denver Fire Clay Co, 2301 Blake St, Denver 17, Col
Linde Air Proaucts Co, 30 E 42 St, N Y 17

HUMIDIFYING APPARATUS

Abbeon Supply Co, 179-15 Jamaica Ave, Jamaica 3, N Y
American Blower Corp, 8111 Tireman St, Detroit 32, Mich
American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
American Moistening Co, 260 W Exchange St, Providence 1, R I
Binks Mfg Co, 3114-40 Carroll Ave, Chicago, Ill
Bowser Inc, Terryville, Conn
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
J O Ross Engrg Corp, 444 Madison Ave, N Y 22
Spray Engrg Co, 114 Central St, Somerville 45, Mass
Spraying Systems Co, 3274 Randolph St, Bellwood, Ill
Tenney Engrg, 26 Ave B, Newark 5, N J
York Corp, Roosevelt & P R R, York, Pa

HYDRATORS, LIME

Dorr Co, Barry Pl, Stamford, Conn
Hardinge Co, 240 Arch St, York, Pa
Struthers Wells Corp, S Franklin St, Titusville, Pa

HYDROCLASSIFIERS

Bird Mach Co, S Walpole, Mass
Denver Equipment Co, 1400 17 St, Denver 17, Col
Dorr Co, Barry Pl, Stamford, Conn
Hardinge Co, 240 Arch St, York, Pa

HYDROGENATION FACILITIES

Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Foster-Wheeler Corp, 165 Broadway, N Y 6
Girdler Corp, 224 E Broadway, Louisville, Ky
Parr Instrument Co, 211 53 St, Moline, Ill
Will Corp, Rochester 3, N Y

HYDROMETERS

Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Emil Greiner Co, 20-26 N Moore St, N Y 13
Hanson-Van Winkle-Munning Co, Matawan, N J
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Moeller Instrument Co, 132 St & 89 Ave, Richmond Hill 18, N Y
George Ruehfel Co, 107-20 101 Ave, Richmond Hill 19, N Y
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
Will Corp, Rochester 3, N Y

HYGROMETERS

American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
Bristol Co, Platts Mills, Waterbury, Conn
Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Emil Greiner Co, 20-26 N Moore St, N Y 13
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Moeller Instrument Co, 132 St & 89 Ave, Richmond Hill 18, N Y
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
Will Corp, Rochester 3, N Y

ICE CRUSHERS, SLINGERS

Gifford-Wood Co, 5 Hill St, Hudson, N Y
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash

ICE MAKING EQUIPMENT

Air Conditioning, York Co, York, Pa
Baker Refrigeration Corp, S Windham, Me
Frick Co, Waynesboro, Pa
Gen Elec Co, 5 Lawrence St, Bloomfield, N J
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
McQuay Inc, 1600 Broadway N E, Minneapolis 13, Minn
Tenney Engrg, 26 Ave B, Newark 5, N J
Vilter Mfg Co, 2117 S 1 St, Milwaukee 7, Wis
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
York Corp, Roosevelt & P R R, York, Pa

IDLERS, BELT CONVEYOR

G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Bodinson Mfg Co, 2401 Bayshore Blvd, San Francisco 24, Cal
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Continental Gin Co, P O Box 2416, Birmingham 2, Ala
A B Farquhar Corp, 142 N Duke St, York, Pa
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Joy Mfg Co, Oliver Bldg, Pittsburgh 22, Pa
Link-Belt Co, 3405 E Ave S, Seattle 4, Wash
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
Webster Mfg Co, Tiffin, Ohio

ILLUMINATORS, GAUGE GLASS

Ernst Water Column & Gage Co, 250 S Livingstone Ave, Livingstone, N J
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Jerguson Gage & Valve Co, Somerville, Mass
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich

IMPREGNATING APPARATUS

Acme Coppersmithing & Mach Co, Oreland, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Edgemoor Iron Works, Edgemoor, Del
H W North Co, E 13 & Parade Sts, Erie, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa

INCINERATORS, ROTARY KILNS

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Hardinge Co, 240 Arch St, York, Pa
Morse-Boulger Destructor Co, 211-F E 42 St, N Y 17
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
Struthers Wells Corp, S Franklin St, Titusville, Pa
Traylor Engrg & Mfg Co, Allentown, Pa

INDICATOR, DEWPOINT

Gen Elec Co, Schenectady 5, N Y
Illinois Testing Lab, 420 N LaSalle St, Chicago 10, Ill
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa

INDICATOR, DRY MATERIAL LEVEL

Bin-Dicator Co, 13946 Kercheval Ave, Detroit, Mich
Gen Elec Co, Schenectady 5, N Y
Gen Elec X-Ray Corp, 4855 Electric Ave, Milwaukee, Wis
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio

INHALATORS

Davis Emergency Equipment Co, 43 Halleck St, Newark 4, N J
Mine Safety Appliance Co, Braddock Ave, Pittsburgh 8, Pa

INSTRUMENTS, OPTICAL

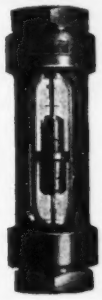
American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
American Optical Co, 200 Mechanic St, Southbridge, Mass
Bausch & Lomb Optical Co, 635 St Paul St, Rochester 2, N Y
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Emil Greiner Co, 20-26 N Moore St, N Y 13
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
E Leitz, 304 Hudson St, N Y 13
Perkin-Elmer Corp, Norwalk, Conn
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Pyrometer Instrument Co, Portland & Delport Aves, Bergenfield, N J
Wilkens-Anderson Co, 4525 W Division St, Chicago 51, Ill
Will Corp, Rochester 3, N Y

INSTRUMENTS, TESTING

American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
Atlas Elec Devices Co, 361 W Superior St, Chicago, Ill
Beckman Instruments, 820 Mission St, S Pasadena, Cal
Black Light Products, 67 E Lake St, Chicago, Ill
Branson Instruments Inc, 436 Fairfield Ave, Stamford, Conn
Bristol Co, Platts Mills, Waterbury, Conn
Brookfield Engrg Labs, 203 Porter St, Stoughton, Mass
Brush Development Co, 3311 Perkins Ave, Cleveland 14, Ohio
Burrell Corp, 2223 5 Ave, Pittsburgh 19, Pa
Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Consolidated Engr Corp, 300 N Sierra Madre Villa, Pasadena 8, Cal
W C Dillon & Co, 1421 S Circle Ave, Forest Park, Ill
Esterline-Angus Co, P O Box 596, Indianapolis 6, Ind
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Gen Elec Co, Schenectady 5, N Y
Gow-Mac Instrument Co, 22 Lawrence St, Newark 5, N J
Emil Greiner Co, 20-26 N Moore St, N Y 13
Illinois Testing Lab, 420 N Lasalle St, Chicago 10, Ill
Industrial Instrument, 17 Pollack Ave, Jersey City 5, N J
Instruments Inc, Wright Bldg, Tulsa 3, Okla
King Engrg Corp, 415 Detroit St, Ann Arbor, Mich
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Macbeth Corp, P O Box 950, Newburgh, N Y
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
D E Stearns Co, P O Box 1234, Shreveport, La
Tenney Engrg, 26 Ave B, Newark 5, N J
Uehling Instrument Co, 468 Getty Ave, Paterson 3, N J
United Engrs, 824 E 6 St, Tulsa, Okla
Wallace & Tiernan, 1 Main St, Belleville, N J
Weston Elect Instrument Corp, 614 Freinghuysen Ave, Newark 5, N J
Wilkens-Anderson Co, 4525 W Division St, Chicago 51, Ill

INSULATING MATERIALS, ELECTRIC

Corning Glass Works, Corning, N Y
Formica Co, 4620 Spring Grove Ave, Cincinnati 32, Ohio
Gen Elec Co, Schenectady 5, N Y
Glass Fibers, 1810 Madison Ave, Toledo, Ohio
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Illinois Elec Porcelain Co, Box 272, Macomb, Ill
Irvington Varnish & Insulator Co, 6 Argyle Terrace, Irvington 11, N J
Keasbey & Mattison Co, Butler Ave, Ambler, Pa
Luzerne Rubber Co, Trenton 7, N J
Norton Co, 1 New Bond St, Worcester 6, Mass
Ohio Brass Co, Mansfield, Ohio
Owens-Corning Fiberglas Corp, Nicholas Bldg, Toledo 1, Ohio
H I Thompson Co, 1733 Cordova St, Los Angeles 7, Cal
Union Carbide & Carbon Corp, 30 E 42 St, N Y 17
U S Gasket Co, 610 N 10 St, Camden, N J
U S Rubber Co, 1230 6 Ave, N Y 20
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa



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INSULATING MATERIALS, HEAT

Armstrong Cork Co, 985 Concord Ave, Lancaster, Pa
Babcock & Wilcox, 85 Liberty St, N Y 6
Carborundum Co, Perth, Amboy, N J
Great Lakes Carbon Corp, Electrite Div, 512 S Flower St, Los Angeles 17, Cal
Eagle-Picher Co, American Bldg, Cincinnati 1, Ohio
Glass Fibers, 1810 Madison Ave, Toledo, Ohio
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Gustin-Bacon Mfg Co, 1412 W 12 St, Kansas City 7, Mo
Keasbey & Mattison Co, Butler Ave, Ambler, Pa
Mundet Cork Corp, 7101 Tonnelle Ave, N Bergen, N J
National Lead Co, 111 Broadway, N Y 6
Norton Co, 1 New Bond St, Worcester 6, Mass
Owens-Corning Fiberglas Corp, Nicholas Bldg, Toledo 1, Ohio
Ozark-Mahoning Co, 310 W 6 St, Tulsa, Okla
Pabco Products, 475 Branna St, San Francisco 19, Cal
Pittsburgh Corning Corp, 307 4 Ave, Pittsburgh 22, Pa
Refractory & Insulation Corp, 120 Wall St, N Y
Reynolds Metal Co, 2500 S 3 St, Louisville, Ky
Ruberoid Co, 500 5 Ave, N Y 18
H I Thompson Co, 1733 Cordova St, Los Angeles 7, Cal
Union Asbestos & Rubber Co, 332 E Mich Ave, Chicago, Ill
U S Rubber Co, 1230 6 Ave, N Y 20
Zonolite Co, 1260 Field Bldg, Chicago, Ill

JACKETS, LABORATORY HEATING

Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Scientific Glass Apparatus Co, Bloomfield, N J

JOINTS, FLEXIBLE BALL

Barco Mfg Co, 1801-1815 Winnemac Ave, Chicago 40, Ill

JOINTS, EXPANSION

Acme Coppersmithing & Mach Co, Oreland, Pa
American District Steam Co, 380 Bryant St, N Tonawanda, N Y
Atlas Mineral Products Co, Mertztown, Pa
Chicago Metal Hose Co, 1315 S 3 St, Maywood, Ill
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
James B Clow & Sons, 201-299 N Talman Ave, Chicago 80, Ill
Cook Elec Co, 2700 Southport St, Chicago 14, Ill
Crane Co, 836 S Mich Ave, Chicago 5, Ill
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Dresser Industries, Bradford, Pa
Garlock Packing Co, Palmyra, N Y

JOINTS, EXPANSION, continued

Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
Griscom Russell Co, Massillon, Ohio
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Illinois Elec Porcelain Co, Box 272, Macomb, Ill
Owens-Corning Fiberglas Corp, Nicholas Bldg, Toledo 1, Ohio
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Sentinel Glass Co, Box 58, Hatboro, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
U S Gasket Co, 610 N 10 St, Camden, N J
U S Rubber Co, 1230 6 Ave, N Y 20
Walworth Co, 60 E 42 St, N Y 17
Yarnall-Waring Co, 102 E Mermaid Lane, Phila 18, Pa
Zallea Bros, Taylor & Locust Sts, Wilmington 99, Del

KETTLES, ACETYLATING

Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
H W North Co, E 13 & Parade Sts, Erie, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Read Standard Corp, York, Pa
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio

KETTLES, AGITATING

Acme Coppersmithing & Mach Co, Oreland, Pa
Allied Steel & Equipment Co, Dept N, Chester, N J
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Chicago Stainless Equipment Corp, 5003 Elston Ave, Chicago 30, Ill
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Edgemoor Iron Works, Edgemoor, Del
Glasco Equipment Corp, 6 Wait St, Paterson 4, N J
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Lee Metal Products Co, 368 W Pine St, Phillipsburg, Pa
J M Lehman Co, 550 N Y Ave, Lyndhurst, N J
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Lynchburg Foundry Co, Lynchburg, Va
Mercer-Robinson Co, 30 Church St, N Y 7
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
New England Tank & Tower Co, Everett, Mass

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OF BLAW-KNOX COMPANY
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STAINLESS STEEL and ALLOY **KETTLES**

S. Blickman, Inc. fabricates a wide variety of kettles in alloys up to ½" thick. Jacketed or plain kettles, with or without agitators for varied pressure and mixing conditions are made to rigid standards. Large modern plant under the supervision of engineers who specialize in producing light-to-medium gauge alloy processing equipment. Welding to A.S.M.E. code specifications.

S. BLICKMAN, INC.
3100 Gregory Avenue, Weehawken, New Jersey
EST. 1889

KETTLES, AGITATING, continued

H W North Co, E 13 & Parade Sts, Erie, Pa
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Premier Mills Corp, 218 Genesee St, Geneva, N Y
Read Standard Corp, York, Pa
George G Rogers Co, 2401 3 Ave, N Y 51
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
Union Iron Works, 15 & Cascade Sts, Erie, Pa

KETTLES, ALUMINUM, BRONZE

Acme Coppersmithing & Mach Co, Oreland, Pa
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Glasco Equipment Corp, 6 Wait St, Paterson 4, N J
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Whitlock Mfg Co, 74 South St, Hartford 10, Conn

KETTLES, BRASS

Acme Coppersmithing & Mach Co, Oreland, Pa
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Whitlock Mfg Co, 74 South St, Hartford 10, Conn

KETTLES, CAST IRON

Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Goslin-Birmingham Mfg Co, Box 631 Birmingham, Ala
Lynchburg Foundry Co, Lynchburg, Va
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
M H Treadwell Co, 140 Cedar St, N Y 6

KETTLES, CAUSTIC

Acme Coppersmithing & Mach Co, Oreland, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Chicago Stainless Equipment Corp, 5003 Elston Ave, Chicago 30, Ill
Downingtown Iron Works, Downingtown, Pa
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Lynchburg Foundry Co, Lynchburg, Va
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
M H Treadwell Co, 140 Cedar St, N Y 6

KETTLES, CHROME, NICKEL, STEEL

Acme Coppersmithing & Mach Co, Oreland, Pa
American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
Chicago Stainless Equipment Corp, 5003 Elston Ave, Chicago 30, Ill
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Condenser Service & Engrg Co, 93 River St, Hoboken, N J
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J

KETTLES, CHROME, NICKEL, STEEL, continued

Downingtown Iron Works, Downingtown, Pa
Edgemoore Iron Works, Edgemoor, Del
Gen Alloys Co, 405 W 1 St, Boston, Mass
Glasco Equipment Corp, 6 Wait St, Paterson 4, N J
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
F A Langsenkamp Co, Indianapolis 25, Ind
Lee Metal Products Co, 368 W Pine St, Philipsburg, Pa
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
H W North Co, E 13 & Parade Sts, Erie, Pa
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
Union Iron Works, 15 Cascade Sts, Erie, Pa
Welmington Sears Co, 65 Worth St, N Y 13
Whitlock Mfg Co, 74 South St, Hartford 10, Conn

KETTLES, COPPER

Acme Coppersmithing & Mach Co, Oreland, Pa
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
F A Langsenkamp Co, Indianapolis 25, Ind
Metal Products Corp, 50 W 19 St, Weehawken, N J
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa

KETTLES, CRYSTALLIZING

Acme Coppersmithing & Mach Co, Oreland, Pa
Blaw-Knox Co, Blawnox, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Edgemoor Iron Works, Edgemoor, Del
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa

KETTLES, ELECTRICALLY HEATED

Ace Equipment Co, 400 W Kinzie St, Chicago 10, Ill
Acme Coppersmithing & Mach Co, Oreland, Pa
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Chicago Stainless Equipment Corp, 5003 Elston Ave, Chicago 30, Ill
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgemoor, Del
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Lynchburg Foundry Co, Lynchburg, Va
Metal Products Corp, 50 W 19 St, Weehawken, N J

KETTLES, ELECTRICALLY HEATED, continued

National Annealing Box Co, Washington, Pa
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
George G Rodgers Co, 2401 3 Ave, N Y 51
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
Trent Inc, 4585 Wilde St, Phila 27, Pa
Union Iron Works, 15 & Cascade Sts, Erie, Pa

KETTLES, GAS FIRED

Acme Coppersmithing & Mach Co, Oreland, Pa
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
C M Kemp Mfg Co, 405 E Oliver St, Baltimore 2, Md
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Selas Corp of America, Erie Ave & D St, Phila, Pa
Union Iron Works, 15 & Cascade Sts, Erie, Pa

KETTLES, GLASS ENAMELED

Glascote Products, 20900 St Clair Ave, Cleveland 17, Ohio
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis

KETTLES, JACKETED

Acme Coppersmithing & Mach Co, Oreland, Pa
Allied Steel & Equipment Co, Dept N, Chester, N J
Amsco Metal, 1746 S 38 St, Milwaukee 46, Wis
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Chicago Stainless Equipment Corp, 5003 Elston Ave, Chicago 30, Ill
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgemoor, Del
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Glascote Products, 20900 St Clair Ave, Cleveland 17, Ohio
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
F A Langsenkamp Co, Indianapolis 25, Ind
J M Lehman Co, 550 N Y Ave, Lyndhurst, N J
Littleford Bros, 453 Pearl St, Cincinnati 2, Ohio
Lynchburg Foundry Co, Lynchburg, Va
Metal Products Corp, 50 W 19 St, Weehawken, N J
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
National Annealing Box Co, Washington, Pa
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Read Standard Corp, York, Pa
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal
George G Rodgers Co, 2401 3 Ave, N Y 51
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
Union Iron Works, 15 & Cascade Sts, Erie, Pa
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

KETTLES, MONEL METAL AND NICKEL

Acme Coppersmithing & Mach Co, Oreland, Pa
American Car & Foundry Co, 30 Church St, N Y 7
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Chicago Stainless Equipment Corp, 5003 Elston Ave, Chicago 30, Ill
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgemoor, Del
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Glascote Equipment Corp, 6 Wait St, Paterson 4, N J
Glascote Products, 20900 St Clair Ave, Cleveland 17, Ohio
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill

KETTLES, MONEL METAL AND NICKEL, continued

Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
F A Langsenkamp Co, Indianapolis 25, Ind
Littleford Bros, 453 Pearl St, Cincinnati 2, Ohio
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
National Annealing Box Co, Washington, Pa
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
George G Rodgers Co, 2401 3 Ave, N Y 51
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Union Iron Works, 15 & Cascade Sts, Erie, Pa
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

KETTLES, NITRATING

Acme Coppersmithing & Mach Co, Oreland, Pa
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Edgemoor Iron Works, Edgemoor, Del
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Lynchburg Foundry Co, Lynchburg, Va
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
U S Stoneware Co, 60 E 42 St, N Y
Whitlock Mfg Co, 74 South St, Hartford 10, Conn

KETTLES, OIL-JACKETED

Acme Coppersmithing & Mach Co, Oreland, Pa
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
Edgemoor Iron Works, Edgemoor, Del
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Union Iron Works, 15 & Cascade Sts, Erie, Pa

KETTLES, PORCELAIN

Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Illinois Elec Porcelain Co, Box 272, Macomb, Ill
McNally-Pittsburg Mfg Co, Pittsburg, Kan
U S Stoneware Co, 60 E 42 St, N Y

KETTLES, SILVER

American Platinum Works, 231 N J Ave, Newark 5, N J
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis

KETTLES, SOAP

Acme Coppersmithing & Mach Co, Oreland, Pa
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Chicago Stainless Equipment Corp, 5003 Elston Ave, Chicago 30, Ill
Edgemoor Iron Works, Edgemoor, Del
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Metal Products Corp, 50 W 19 St, Weehawken, N J
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
M H Treadwell Co, 140 Cedar St, N Y 6

KETTLES, STEAM-JACKETED

Acme Coppersmithing & Mach Co, Oreland, Pa
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
Chicago Stainless Equipment Co, 5001 Elston Ave, Chicago 30, Ill
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J

KETTLES, STEAM-JACKETED, continued

J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Edgemoor Iron Works, Edgemoor, Del
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Glascote Products, 20900 St Clair Ave, Cleveland 17, Ohio
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
F A Langsenkamp Co, Indianapolis 25, Ind
Littleford Bros, 453 Pearl St, Cincinnati 2, Ohio
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Marine Fabricators Co, 1010 State St, Perth Amboy, N J
Mercer-Robinson Co, 30 Church St, N Y 7
Metal Products Corp, 50 W 19 St, Weehawken, N J
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Perry Equipment Corp, 1515 W Thompson St, Phila 21, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Read Standard Corp, York, Pa
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal
George G Rodgers Co, 2401 3 Ave, N Y 51
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
Union Iron Works, 15 & Cascade Sts, Erie, Pa
Whitlock Mfg Co, 74 South St, Hartford 10, Conn

KETTLES, STEEL

Acme Coppersmithing & Mach Co, Oreland, Pa
Allied Steel & Equipment Co, Dept N, Chester, N J
American Car & Foundry Co, 30 Church St, N Y 7
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Bethlehem Steel Co, Bethlehem, Pa
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgemoor, Del
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Falstrom Co, 9 Falstrom Court, Passaic, N J
Gen American Transportation Corp, Field Bldg, Chicago 90, Ill
Glasco Equipment Corp, 6 Wait St, Paterson 4, N J
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
J M Lehman Co, 550 N Y Ave, Lyndhurst, N J
Littleford Bros, 453 Pearl St, Cincinnati 2, Ohio
Marine Fabricators Co, 1010 State St, Perth Amboy, N J
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
Union Iron Works, 15 & Cascade Sts, Erie, Pa
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

KETTLES, VACUUM

Acme Coppersmithing & Mach Co, Oreland, Pa
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Chicago Stainless Equipment Corp, 5003 Elston Ave, Chicago 30, Ill
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgemoor, Del
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Glascote Products, 20900 St Clair Ave, Cleveland 17, Ohio
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
George G Rodgers Co, 2401 3 Ave, N Y 15
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Union Iron Works, 15 & Cascade Sts, Erie, Pa

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Acme Coppersmithing & Mach Co, Oreland, Pa
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Chicago Stainless Equipment Corp, 5003 Elston Ave, Chicago 30, Ill
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Edgemoor Iron Works, Edgemoor, Del
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Foster-Wheeler Corp, 165 Broadway, N Y 6
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Metal Products Corp, 50 W 19 St, Weehawken, N J
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
P'audler Co, 1000 W Ave, Rochester 3, N Y
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Trent Inc, 4585 Wilde St, Phila 27, Pa
Union Iron Works, 15 & Cascade Sts, Erie, Pa

KILNS, CEMENT AND LIME

Acme Coppersmithing & Mach Co, Oreland, Pa
Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Bonnot Co, Canton 2, Ohio
Hardinge Co, 240 Arch St, York, Pa
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Nordberg Mfg Co, Milwaukee 7, Wis
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Traylor Engrg & Mfg Co, Allentown, Pa

KILNS, ROTARY

Acme Coppersmithing & Mach Co, Oreland, Pa
Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
American Car & Foundry Co, 30 Church St, N Y 7
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Bonnot Co, Canton 2, Ohio
Buffovak Equipment Dov, 1579 Fillmore Ave, Buffalo 11, N Y
Gen American Trans Corp, Louisville Drying Mach Unit, 139 S 4 St, Louisville 2, Ky
Hardinge Co, 240 Arch St, York, Pa
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Nooter Corp, 1400 S 2 St, St Louis 4, Mo

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M H Treadwell Co, 140 Cedar St, N Y 6
Wyatt Metal & Boiler Wks, 6100 Kansas St, Houston, Tex

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M H Treadwell Co, 140 Cedar St, N Y 6

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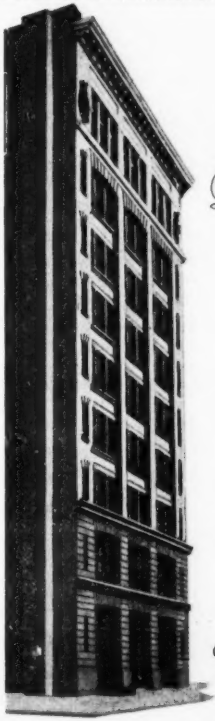
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Meriam Instrument Co, 10928 Madison Ave, Cleveland 2, Ohio
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Scientific Glass Apparatus Co, Bloomfield, N J
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Uehling Instrument Co, 468 Getty Ave, Paterson 3, N J
Jos F Uhrig Co, 4101-03 N 5 St, Phila 40, Pa
Wallace & Tiernan, 1 Main St, Belleville, N J

MANOMETERS, U-TYPE

Bethlehem Apparatus Co, 890 Front St, Hellertown, Pa
Distillation Products Industries, Rochester 3, N Y
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Emil Greiner Co, 20-26 N Moore St, N Y 13
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
H S Martin & Co, 1916 Greenleaf Ave, Evanston, Ill
Meriam Instrument Co, 10928 Madison Ave, Cleveland 2, Ohio
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Scientific Glass Apparatus Co, Bloomfield, N J
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Uehling Instrument Co, 468 Getty Ave, Paterson 3, N J
Jos F Uhrig Co, 4101-03 N 5 St, Phila 40, Pa
Wallace & Tiernan, 1 Main St, Belleville, N J
Will Corp, Rochester 3, N Y

MANOSTATS

Emil Greiner Co, 20-26 N Moore St, N Y 13
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Scientific Glass Apparatus Co, Bloomfield, N J

MASKS (DUST, FUME, GAS, SMOKE, ETC.)

Acme Protection Equipment Co, 3037 W Lake St, Chicago 12, Ill
American Optical Co, 200 Mechanic St, Southbridge, Mass
W H Brady Co, 16 E Spring St, Chippewa Falls, Wis
Chicago Eye Shield Co, 2304 Warren Bldg, Chicago, Ill
Davis Emergency Equipment Co, 43 Halleck St, Newark 4, N J
Goggle Parts Co, 1468 9 St, Cleveland 13, Ohio
Industrial Products Co, 3015 N 4 St, Phila 33, Pa
Mine Safety Appliance Co, Braddock Ave, Pittsburgh 8, Pa
Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio
Willson Products, Reading, Pa
York Corp, Roosevelt & P R R, York, Pa

MATERIALS, CONSTRUCTION

*Atlas Mineral Products Co, Merztown, Pa

MATERIALS HANDLING EQUIPMENT

Allen-Sherman-Hoff Co, 259 E Lancaster Ave, Wynnewood, Pa
Allied Steel & Equipment Co, Dept N, Chester, N J
Alvey-Ferguson Co, 75 Disney St, Cincinnati 9, Ohio
Appleton Elec Co, 1713 W Wellington Ave, Chicago 13, Ill
Baker-Raulang Co, 1209 W 80 St, Cleveland 2, Ohio
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Beaumont Birch Co, 1526 Race St, Phila 2, Pa
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 22, Pa
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Chem Engrg Service, 374½ S Washington, Green Bay, Wis
Colorado Fuel & Iron Corp, P O Box 1920, Denver 1, Col
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
Economy Engrg Co, 4511 W Lake St, Chicago 24, Ill
Elmco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Eriez Mfg Co, 629 Commerce Bldg, Erie, Pa
Fairbanks Co, 393 Lafayette St, N Y 3
Fairfield Engrg Co, Marion, Ohio
Falstrom Co, 9 Falstrom Court, Passaic, N J
A B Farquhar Corp, 142 N Duke St, York, Pa
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Gifford-Wood Co, 5 Hill St, Hudson, N Y
Glasco Equipment Corp, 6 Wait St, Paterson 4, N J
Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Harnischfeger Corp, 4400 W National Ave, Milwaukee 14, Wis
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
Hodgson Engrg & Mfg Co, 1507 E 7 St, Tulsa 10, Okla
E C Horne Machy Co, 7 & Curtis St, Denver 2, Col
Frank G Hough Co, Libertyville, Ill
Hyster Co, 2902-91 N E Clackamas, Portland 8, Ore
International Seiling Corp, 70 Pine St, N Y
Island Equipment Corp, 27-01 Bridge Plaza N, L I C 1, N Y
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Logan Co, 1115 Franklin St, Louisville 6, Ky
Magnetic Engrg & Mfg Co, Clifton, N J
E F Marsh Engrg Co, 4324 W Clayton St, St Louis 10, Mo
Metal Products Corp, 50 W 19 St, Wehawken, N J
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
National Engrg Co, 549 W Washington Blvd, Chicago, Ill
H W North Co, E 13 & Parade Sts, Erie, Pa
Samuel Olson Mfg Co, 2418 Bloomingdale Ave, Chicago 47, Ill
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Read Standard Corp, York, Pa
Revolvator Co, 2019 86 St, N Bergen, N J
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
Stearns Magnetic Mfg Co, 672 S 28 St, Milwaukee 46, Wis
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Stock Equipment Co, 717 Hanna Bldg, Cleveland, Ohio
Syntron Co, 421 Lexington Ave, Homer City, Pa
Taackson Co, 3333 S Chase Ave, Milwaukee 1, Wis
M H Treadwell Co, 140 Cedar St, N Y 6
Union Metal Mfg Co, 1432 Maple Ave N E, Canton, Ohio
Jarvis B Webb Co, 8951 Alpine Ave, Detroit, Mich
Webster Mfg Co, Tiffin, Ohio

MEASURES, GLASS

Armstrong Cork Co, 985 Concord Ave, Lancaster, Pa
Corning Glass Works, Corning, N Y
Emil Greiner Co, 20-26 N Moore St, N Y 13

MEMBRANES, ACID & ALKALI PROOF

Atlas Mineral Products Co, Mertztown, Pa
I N Breetwor & Associates, 4005 Wilshire Blvd, Los Angeles 5, Cal
Crane Co, 836 S Mich Ave, Chicago 5, Ill
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
U S Stoneware Co, 60 E 42 St, N Y

METERS, BOILER

Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Gen Elec Co, Schenectady 5, N Y
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
Hays Corp, E 8 St, Mich City, Ind
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill

METERS, CARBON

Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
E Leitz, 304 Hudson St, N Y 13

METERS, ELECTRICAL

Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Esterline-Angus Co, P O Box 596, Indianapolis 6, Ind
Gen Radio Co, 275 Mass Ave, Cambridge 39, Mass
Hanson-Van Winkle-Munning Co, Matawan, N J
Hays Corp, E 8 St, Mich City, Ind
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa

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Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Brush Development Co, 3311 Perkins Ave, Cleveland 14, Ohio
Gen Elec Co, Schenectady 5, N Y
Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
Hays Corp, E 8 St, Mich City, Ind
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa

METERS, FLOW

Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Barton Instrument Corp, 1429 S Eastern Ave, Los Angeles 22, Cal
Bowser Inc, 1307 E Creighton Ave, Fort Wayne, Ind
Bristol Co, Platts Mills, Waterbury, Conn
Builders Providence, 345 Harris Ave, Providence 1, R I
Fischer & Porter Co, Hatboro, Pa
Emil Greiner Co, 20-26 N Moore St, N Y 13
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
Hays Corp, E 8 St, Mich City, Ind
Jacoby-Tarbox Corp, 810 Nepperhan Ave, Yonkers 3, N Y
Maxon Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Meriam Instrument Co, 10928 Madison Ave, Cleveland 2, Ohio
Meter & Valve Div, 400 N Lexington, Pittsburgh 8, Pa
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Scientific Glass Apparatus Co, Bloomfield, N J
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Simplex Valve & Meter Co, 6753 Upland St, Phila, Pa
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y

METERS, GAS

Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Barton Instrument Corp, 1429 S Eastern Ave, Los Angeles 22, Cal
Fischer & Porter Co, Hatboro, Pa
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa

METERS, GAS, continued

Meter & Valve Div, 400 N Lexington, Pittsburgh 8, Pa
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal
Wallace & Tiernan, 1 Main St, Belleville, N J

METERS, INTEGRATING

Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Bristol Co, Platts Mills, Waterbury, Conn
Buffalo Meter Co, 2917 Main St, Buffalo 14, N Y
Fischer & Porter Co, Hatboro, Pa
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Simplex Valve & Meter Co, 6753 Upland St, Phila, Pa

METERS, MOISTURE

Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Hays Corp, E 8 St, Mich City, Ind
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44 Pa
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J

METERS, ORIFICE

Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Bristol Co, Platts Mills, Waterbury, Conn
Fischer & Porter Co, Hatboro, Pa
Emil Greiner Co, 20-26 N Moore St, N Y 13
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Meriam Instrument Co, 10928 Madison Ave, Cleveland 2, Ohio
Meter & Valve Div, 400 N Lexington, Pittsburgh 8, Pa
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Simplex Valve & Meter Co, 6753 Upland St, Phila, Pa
Wallace & Tiernan, 1 Main St, Belleville, N J

METERS, OXYGEN

Air Reduction Co, 60 E 42 St, N Y 17
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Hays Corp, E 8 St, Mich City, Ind

METERS, pH

Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Beckman Instruments, 820 Mission St, S Pasadena, Cal
Bristol Co, Platts Mills, Waterbury, Conn
Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Coleman Instruments, 318 Madison Ave, Maywood, Ill
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Macbeth Corp, P O Box 950, Newburg, N Y
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Photovolt Corp, 95 Madison Ave, N Y
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Wilkens-Anderson Co, 4525 W Division St, Chicago 51, Ill
Will Corp, Rochester 3, N Y

METERS, SEWAGE

Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Builders Providence, 345 Harris Ave, Providence 1, R I
Meter & Valve Div, 400 N Lexington, Pittsburgh 8, Pa
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Simplex Valve & Meter Co, 6753 Upland St, Phila, Pa

METERS, TELEMETERING

Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Bristol Co, Platts Mills, Waterbury, Conn
Builders Providence, 345 Harris Ave, Providence 1, R I
Esterline-Angus Co, P O Box 596, Indianapolis 6, Ind
Gen Elec Co, Schenectady 5, N Y
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa

METERS, VENTURI

Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Bristol Co, Platts Mills, Waterbury, Conn
Builders Providence, 345 Harris Ave, Providence 1, R I
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Simplex Valve & Meter Co, 6753 Upland St, Phila, Pa
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y

METERS, VOLUMETRIC

Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Bowser Inc, 1307 E Creighton Ave, Fort Wayne, Ind
Buffalo Meter Co, 2917 Main St, Buffalo 14, N Y
Hetherington & Berner, 701 Kentucky Ave, Indianapolis 7, Ind
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y

METERS, WATER

Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Bowser Inc, 1307 E Creighton Ave, Fort Wayne, Ind
Buffalo Meter Co, 2917 Main St, Buffalo 14, N Y
J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
Meter & Valve Div, 400 N Lexington, Pittsburgh 8, Pa
National Engrg Co, 549 W Washington Blvd, Chicago, Ill
Neptune Meter Co, 50 W 50 St, N Y 20
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Simplex Valve & Meter Co, 6753 Upland St, Phila, Pa

MICROSCOPES

American Optical Co, 200 Mechanic St, Southbridge, Mass
Bausch & Lomb Optical Co, 635 St Paul St, Rochester 2, N Y
Gen Elec Co, Schenectady 5, N Y
Hanson-Van Winkle-Munning Co, Matawan, N J
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
E Leitz, 304 Hudson St, N Y 13
North American Philips Co, 100 E 42 St, N Y 17
Radio Corp of America, Camden, N J
Wilkens-Anderson Co, 4525 W Division St, Chicago 51, Ill
Will Corp, Rochester 3, N Y

MICROSCOPES, POLARIZING

American Optical Co, 200 Mechanic St, Southbridge, Mass
Bausch & Lomb Optical Co, 635 St Paul St, Rochester 2, N Y
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
E Leitz, 304 Hudson St, N Y 13
Will Corp, Rochester 3, N Y

MILLS, ATTRITION

Bauer Bros Co, 1727 Sheridan Ave, Springfield, Ohio
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Hardinge Co, 240 Arch St, York, Pa
International Engrg, Dayton 1, Ohio
Mercer-Robinson Co, 30 Church St, N Y 7
Mine & Smelter Supply Co, 1422 17 St, Denver 17, Col
Munson Mill Machy Co, 200 Seward Ave, Utica, N Y
Pennsylvania Crusher Co, 1721 Liberty Trust Bldg, Phila 7, Pa
Pulverizing Machy Co, Chatham Rd, P O Box 569, Summit, N J
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
U S Stoneware Co, 60 E 42 St, N Y

MILLS, BALL

Allied Steel & Equipment Co, Dept N, Chester, N J
Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Babcock & Wilcox, 85 Liberty St, N Y 6
Bonnot Co, Canton 2, Ohio
Denver Equipment Co, 1400 17 St, Denver 17, Col
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Eimco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Foster-Wheeler Corp, 165 Broadway, N Y 6
Galigher Co, P O Box 209, Salt Lake City 4, Utah
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Hardinge Co, 240 Arch St, York, Pa
International Engrg, Dayton 1, Ohio
Mine & Smelter Supply Co, 1422 17 St, Denver 17, Col
Morse Bros Machy Co, 200 Brighton Blvd, Denver 1, Col
Nordberg Mfg Co, Milwaukee 7, Wis
H W North Co, E 13 & Parade Sts, Erie, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
George G Rodgers Co, 2401 3 Ave, N Y 51

MILLS, BALL, continued

Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Struthers Wells Corp, S Franklin St, Titusville, Pa
Traylor Engrg & Mfg Co, Allentown, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
U S Stoneware Co, 60 E 42 St, N Y
Vulcan Iron Works, 1730 Main St, Wilkes-Barre, Pa
Will Corp, Rochester 3, N Y

MILLS, BATCH, CONTINUOUS

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Denver Equipment Co, 1400 17 St, Denver 17, Col
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Hardinge Co, 240 Arch St, York, Pa
International Engrg, Dayton 1, Ohio
Mine & Smelter Supply Co, 1422 17 St, Denver 17, Col
Morehouse Industries, 1156 San Fernando Rd, Los Angeles 65, Cal
H W North Co, E 13 & Parade Sts, Erie, Pa
Parten Mach Co, 311 Portland Ave, Minneapolis 51, Minn
Premier Mill Corp, 218 Genesee St, Geneva, N Y
Pulva Corp, 550 High St, Perth Amboy, N J
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Troy Engine & Mach Co, Troy, Pa

MILLS, BURR

Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Mercer-Robinson Co, 30 Church St, N Y 7
Munson Mill Machy Co, 200 Seward Ave, Utica, N Y
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass

MILLS, CHASER

Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y

MILLS, COLLOID

Chemicolloid Labs, 30 Church St, N Y
Alan A Claflin, 2 Storer St, Boston 10, Mass
Premier Mill Corp, 218 Genesee St, Geneva, N Y
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Tri-Homo Corp, 90 Highland Ave, Salem, Mass
Troy Engine & Mach Co, Troy, Pa

MILLS, DISK

Bauer Bros Co, 1727 Sheridan Ave, Springfield, Ohio
Gen Mach Co of N J, 398 Market St, Newark 5, N J
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Mercer-Robinson Co, 30 Church St, N Y 7
Mine & Smelter Supply Co, 1422 17 St, Denver 17, Col
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Straub Co, 4059 Ridge Ave, Phila, Pa
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass

MILLS, DRY-COLOR

J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Gen Mach Co of N J, 398 Market St, Newark 5, N J
Morehouse Industries, 1156 San Fernando Rd, Los Angeles 65, Cal
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Pulva Corp, 550 High St, Perth Amboy, N J

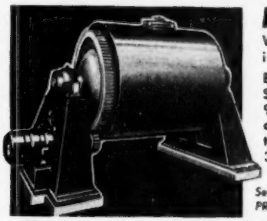
MILLS, FLAKING

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y

MILLS, GRINDING

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
American Pulverizer Co, 1249 Macklind Ave, St Louis 10, Mo
Bonnot Co, Canton 2, Ohio
Combustion Engrg-Superheater, 1308 N Branch St, Chicago 22, Ill
J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
Denver Equipment Co, 1400 17 St, Denver 17, Col
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Hardinge Co, 240 Arch St, York, Pa
J M Lehman Co, 550 N Y Ave, Lyndhurst, N J
Mercer-Robinson Co, 30 Church St, N Y 7
Mine & Smelter Supply Co, 1322 17 St, Denver 17, Col
Morehouse Industries, 1156 San Fernando Rd, Los Angeles 65, Cal
Nordberg Mfg Co, Milwaukee 7, Wis
Parten Mach Co, 311 Portland Ave, Minneapolis 51, Minn
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Pennsylvania Crusher Co, 1721 Liberty Trust Bldg, Phila 7, Pa
Pulva Corp, 550 High St, Perth Amboy, N J
Pulverizing Machy Co, Chatham Rd, P O Box 569, Summit, N J
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal

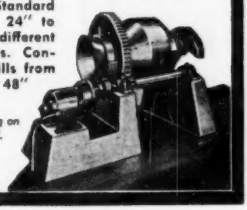
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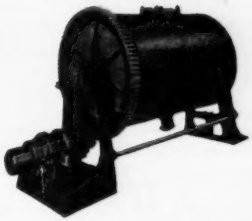
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Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Straub Co, 4059 Ridge Ave, Phila, Pa
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass
Traylor Engrg & Mfg Co, Allentown, Pa
Tri-Homo Corp, 90 Highland Ave, Salem, Mass
U S Stoneware Co, 60 E 42 St, N Y
C H Wheeler Mfg Co, Lehigh & Sedgley Aves, Phila 32, Pa
Williams Patent Crusher & Pulverizer Co, 813 Montgomery St, St Louis, Mo

MILLS, HAMMER

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
American Pulverizer Co, 1249 Macklind Ave, St Louis 10, Mo
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Bauer Bros Co, 1727 Sheridan Ave, Springfield, Ohio
Bonnot Co, Canton 2, Ohio
Combustion Engr-Superheater, 200 Madison Ave, N Y 16
Fairfield Engrg Co, Marion, Ohio
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Mercer-Robinson Co, 30 Church St, N Y 7
Munson Mill Machy Co, 200 Seward Ave, Utica, N Y
Parten Mach Co, 311 Portland Ave, Minneapolis 51, Minn
Pennsylvania Crusher Co, 1721 Liberty Trust Bldg, Phila 7, Pa
Pulva Corp, 550 High St, Perth Amboy, N J
Pulverizing Machy Co, Chatham Rd, P O Box 569, Summit, N J
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
Straub Co, 4059 Ridge Ave, Phila, Pa
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass
Williams Patent Crusher & Pulverizer Co, 813 Montgomery St, St Louis, Mo
Wilkens-Anderson Co, 4525 W Div St, Chicago 51, Ill

MILLS, HOG

American Pulverizer Co, 1249 Macklind Ave, St Louis 10, Mo
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal

MILLS, INK

J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
International Engrg, Dayton 1, Ohio
J M Lehman Co, 550 N Y Ave, Lyndhurst, N J
Morehouse Industries, 1156 San Fernando Rd, Los Angeles 65, Cal
Premier Mill Corp, 218 Genesee St, Geneva, N Y
Pulverizing Machy Co, Chatham Rd, P O Box 569, Summit, N J
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Tri-Homo Corp, 90 Highland Ave, Salem, Mass
Troy Engine & Mach Co, Troy, Pa

MILLS, JACKETED BALL

Allied Steel & Equipment Co, Dept N, Chester, N J
Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
International Engrg, Dayton 1, Ohio
H W North Co, E 13 & Parade Sts, Erie, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Tri-Homo Corp, 90 Highland Ave, Salem, Mass

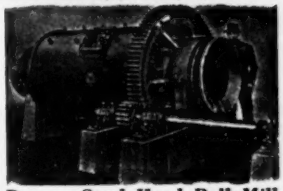
MILLS, JAR

J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
International Engrg, Dayton 1, Ohio
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
U S Stoneware Co, 60 E 42 St, N Y

MILLS, LABORATORY

American Pulverizer Co, 1249 Macklind Ave, St Louis 10, Mo
Bauer Bros Co, 1727 Sheridan Ave, Springfield, Ohio
Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Chemicolloid Labs, 30 Church St, N Y
Combustion Engrg-Superheater, Raymond Pulverizing Div, 1308 N Branch St, Chicago 22, Ill
Combustion Engrg-Superheater, 200 Madison Ave, N Y 16
J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
Denver Equipment Co, 1400 17 St, Denver 17, Col
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Galigher Co, 545 W 8 South St, Salt Lake City 4, Utah
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
International Engrg, Dayton 1, Ohio

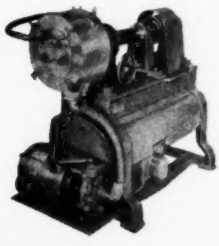
DENVER STEEL-HEAD BALL-ROD MILLS



Denver Steel Head Ball Mills
Sizes: 12" x 5" to 6' x 8'
Specifications: Cast Steel heads, steel shells, oversize trunnion bearings.
Discharge Openings: SMALL, MEDIUM, or LARGE sizes in 5 types:
(1) Overflow
(2) Perforated Overflow
(3) Return Spiral
(4) Grate
(5) Peripheral
Diameter: Diameter measured inside liners giving larger capacity than competitive mills of same nominal size.
Porcelain Grinding Balls and Liners are available.

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Denver 17, Colorado

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Latest designed units for dispersing pigments, manufacturing of chemical products and emulsions. Custom made for each industry. Available in small, medium and large production sizes.

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For Reduction of Chemicals, By-Products, Coal, Clays, Glass, Food, Minerals—soft or hard materials of all kinds.

- **Custom-Built with Rolling Ring or Hammermill Rotors.**
- **Capacities Up to 2000 Lbs. Per Hour.**
- **Two Sizes: 9 x 9 and 15 x 9.**



American PULVERIZER CO.

Originators and Manufacturers of Ring Crushers and Pulverizers

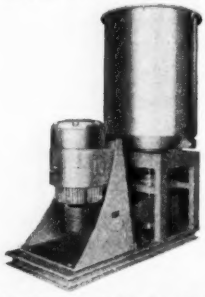
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ABBÉ DISPERSALL MIXERS

for

Dispersing, Emulsifying, Milling in ONE OPERATION



Applicable to all kinds of fluid mixes from thin slurries to pastes.

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Makers of ABBÉ ENGINEERING Ball, Pebble and Jar Mills

MILLS, LABORATORY, continued

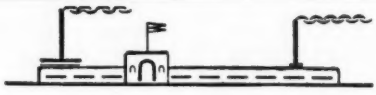
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
J M Lehman Co, 550 N Y Ave, Lyndhurst, N J
Mercer-Robinson Co, 30 Church St, N Y 7
Mine & Smelter Supply Co, 1322 17 St, Denver 17, Col
Morehouse Industries, 1156 San Fernando Rd, Los Angeles 65, Cal
National Rubber Machy Co, 47 W Exchange St, Akron 8, Ohio
Parten Mach Co, 311 Portland Ave, Minneapolis 51, Minn
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Pulva Corp, 550 High St, Perth Amboy, N J
Pulverizing Machy Co, Chatham Rd, P O Box 569, Summit, N J
George G Rodgers Co, 2401 3 Ave, N Y 51
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass
Arthur H Thomas Co, 230 S 7 St, Phila, Pa
Tri-Homo Corp, 90 Highland Ave, Salem, Mass
Troy Engine & Mach Co, Troy, Pa
U S Stoneware Co, 60 E 42 St, N Y
Wilkens-Anderson Co, 4525 W Div St, Chicago 51, Ill
Will Corp, Rochester 3, N Y

MILLS, PAINT

J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
International Engrg, Dayton 1, Ohio
J M Lehman Co, 550 N Y Ave, Lyndhurst, N J
Mercer-Robinson Co, 30 Church St, N Y 7
Morehouse Industries, 1156 San Fernando Rd, Los Angeles 65, Cal
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Premier Mill Corp, 218 Genesee St, Geneva, N Y
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Troy Engine & Mach Co, Troy, Pa

MILLS, PASTE

Bonnot Co, Canton 2, Ohio
Cornell Mach Co, 99 Wall St, N Y
J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
International Engrg, Dayton 1, Ohio
J M Lehman Co, 550 N Y Ave, Lyndhurst, N J
Morehouse Industries, 1156 San Fernando Rd, Los Angeles 65, Cal



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Better Fabricated Equipment at Competitive Prices

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DEPT. "N", CHESTER, NEW JERSEY

MILLS, PASTE, continued

Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Premier Mill Corp, 218 Genesee St, Geneva, N Y
Pulva Corp, 550 High St, Perth Amboy, N J
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Troy Engine & Mach Co, Troy, Pa

MILLS, PELLET

Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa

MILLS, PUG

G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Bonnot Co, Canton 2, Ohio
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
International Engrg, Dayton 1, Ohio
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Traylor Engrg & Mfg Co, Allentown, Pa

MILLS, ROD

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Bonnot Co, Canton 2, Ohio
Denver Equipment Co, 1400 17 St, Denver 17, Col
Ermco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Mine & Smelter Supply Co, 1322 17 St, Denver 17, Col
Morse Bros Machy Co, 2900 Brighton Blvd, Denver 1, Col
Nordberg Mfg Co, Milwaukee 7, Wis
H W North Co, E 13 & Parade Sts, Erie, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Traylor Engrg & Mfg Co, Allentown, Pa

MILLS, ROLLER

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Comoustion Engrg-Superheater, Raymond Pulverizer Div, 1300 N Branch St, Chicago 22, Ill
Comoustion Engrg-Superheater, 200 Madison Ave, N Y 16
J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
J M Lehman Co, 550 N Y Ave, Lyndhurst, N J
Mine & Smelter Supply Co, 1322 17 St, Denver 17, Col
Parten Mach Co, 311 Portland Ave, Minneapolis 51, Minn
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Troy Engine & Mach Co, Troy, Pa

MILLS, STONE

American Pulverizer Co, 1249 Macklind Ave, St Louis 10, Mo
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Morehouse Industries, 1156 San Fernando Rd, Los Angeles 65, Cal
Charles Ross & Son Co, 138 Classon Ave, Bklyn 5, N Y

MILLS, TUBE

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Denver Equipment Co, 1400 17 St, Denver 17, Col
Hardinge Co, 240 Arch St, York, Pa
Mine & Smelter Supply Co, 1322 17 St, Denver 17, Col
Nordberg Mfg Co, Milwaukee 7, Wis
H W North Co, E 13 & Parade Sts, Erie, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Traylor Engrg & Mfg Co, Allentown, Pa

MILLS, TUMBLING

Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Hardinge Co, 240 Arch St, York, Pa
Mercer-Robinson Co, 30 Church St, N Y 7
H W North Co, E 13 & Parade Sts, Erie, Pa
W W Sly Mfg Co, 4700 Train Ave, Cleveland 2, Ohio
U S Stoneware Co, 60 E 42 St, N Y
Whiting Corp, Swenson Evaporator Div, Harvey, Ill

MIXERS, AIR DRIVEN

Eastern Industries, 296 Elm St, New Haven, Conn
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
International Engrg, Dayton 1, Ohio
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
Premier Mill Corp, 218 Genesee St, Geneva, N Y

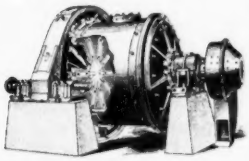
MIXERS, BATCH

Acme Coppersmithing & Mach Co, Oreland, Pa
Allied Steel & Equipment Co, Dept N, Chester, N J
Alsop Engrg Corp, Millidale, Conn
American Mach & Foundry Co, 485 5 Ave, N Y 17
Baker-Perkins Co, 1000 Hess St, Saginaw, Mich
Berlin Chapman Co, Berlin, Wis
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y

EQUIPMENT TO LOWER YOUR PRODUCTION COSTS

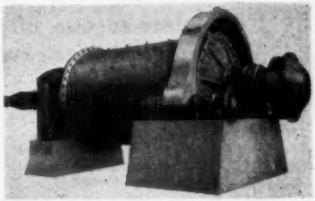
MARCY OPEN-END MILLS

Marcy ball, rod and tube mills have greater grinding capacity than conventional mills, with a lower per-ton cost, because of the Marcy Low Pulp Line. The open-end discharge removes finished sands without wasteful overgrinding, increasing useful grinding capacity with better product uniformity.



Marcy ball mills, in closed circuit grinding, will deliver a product of 200 mesh and finer, or coarser if desired. Available in a variety of drives with capacities ranging from 5 to 2500 tons per day. Laboratory sizes available.

Marcy rod mills will produce a 20-mesh product (or coarser, as desired) in one pass from a 1-inch feed, or finer products when working in closed circuit. Can be furnished in capacities up to 6000 tons of 1-inch feed of average ore reduced to 20-mesh.

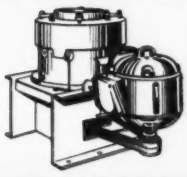


Genuine Wilfley Concentrating Tables



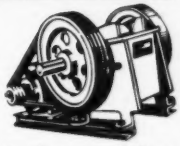
The Wilfley Table will give more exact separation of products, increased recovery, and a greater capacity at a lower cost of operation and upkeep than comparable equipment. It is mechanically operated and consists of a self-oiling, enclosed head motion operating an endwise reciprocating table with a rubber or linoleum covered deck surface properly riffled. The Wilfley Table is capable of dressing any ore or material subject to gravity concentration. Available in a complete range of sizes up to 180 tons capacity per 24 hours. Laboratory sizes also available.

Massco Gy-Roll Reduction Laboratory Crushers



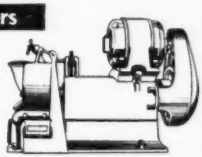
Reduces ½" feed to as fine as 10 mesh in a single pass. Very high capacity and low power consumption; replaces bulky, unhandy equipment such as rolls and coffee mill. Two sizes available, 6" and 10"

Improved Massco Laboratory Crushers



Most crushers crush faster than they can discharge. This one gets rid of the rock in a hurry. Two blows every revolution mean minimum oversize. Plate wear taken up by front adjustment through convenient hand wheel. Smooth jaws insure better product and easier cleaning. No shims, set-screws or toggles. Welded plate frame; manganese steel jaw and cheek plates; bronze bushed bearings; Lincoln grease fittings. Strong and compact but relatively light.

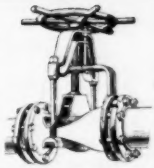
Massco-McCool Pulverizers



The Massco-McCool Pulverizer is a disc-type grinder designed for pulverizing to any mesh, in one operation, virtually any material. Ideal for the assay, metallurgical, chemical and industrial laboratory. The planetary movement of the rotating disc assures long life to the grinding surfaces. This machine will grind to 150 mesh at one pass—and more samples per hour at lower cost. No gears; oil lubricated; 100% anti-friction bearings.

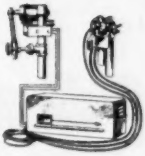
Representatives: Canadian Vickers, Ltd., Montreal; W. R. Jordan, Santiago and Lima; The Edward J. Nell Co., Manila, P. I.; The Ore & Chemical Corp., 80 Broad St., New York 4, N. Y., Representatives for Continental Europe.

Massco-Grigsby Rubber Pinch Valves



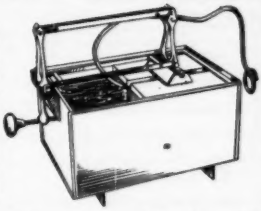
Wherever abrasive or corrosive pulps or liquids must be moved, these valves are finding wide use. Useful in ore milling, cement plants, dredging, and many industrial operations where severe wear makes frequent replacement of metal type valves necessary and costly. With certain modifications, these valves are adaptable in chemical plants for handling highly corrosive solutions, solutions which crystallize at normal temperatures, oily liquids, and fine dry materials. Shuts tight, through patented sleeve design, even on solid particles. No packing glands. Freezing does not deteriorate sleeve. Easy to operate. Sizes—1" and 2" for continuous pressure to 100 lbs., 3", 4", 6", 8", 10" and 12", to 150 lbs. State your application.

Massco-Adams Density Controllers



This pulp density control eliminates both the frequent checking of classifier density and manual regulation of water by the attendant. Water dilution is regulated to maintain percentage of solids within close limits of any predetermined point. Thus, size of finished product is controlled. Results in maximum efficiency in classification and grinding at optimum capacity. In any closed circuit grinding, results depend upon pulp density in the classifier. The Massco-Adams Density Controller regulates density automatically and continuously.

Massco-Adams Reagent Feeders



A portable independent unit for permanent or temporary service, quickly placed in operation at any work height. Economical; requires no electrical connections, has no moving parts, only one micrometer screw adjustment. Adaptable to most types of wet reagents and liquids, easily cleaned, trouble-free. Accurate within one percent, with adjustable feed rate. Operates on siphon principle, avoids oxidation or reprecipitation of reagent due to agitation.

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El Paso **Salt Lake City**
1775 Broadway, New York, N. Y.

THE MINE AND SMELTER SUPPLY COMPANY

DENVER, COLORADO

Lightnin® Mixers

(MIXCO® Engineered)

Complete service on fluid agitation needs



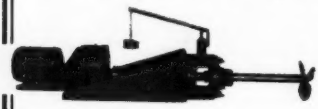
PORTABLE

More than 30 models, from ⅛ to 3 HP. Electric and air motor types. Direct drive and gear drive mixers for every application. Fully described in *Catalog B-75.*



TOP OR BOTTOM ENTERING

Propeller, paddle and turbine types. Sizes 1 to 500 HP. Included are new Series E Lightnin Mixers with up to 16 interchangeable speeds in standard gear reducer. For details, request *Catalog B-100* (complete line); *Catalog B-78* (propeller types only); *Catalog B-89* (paddle and turbine types).



SIDE ENTERING

For tanks to 5 million gallons capacity. Sizes 1 to 25 HP. Gear drive; V-belt drive; motorless types. Request *Catalog B-76.*

LABORATORY MIXERS

Precision built Lightnin Mixers for laboratories and small-batch production. Electric or air driven. Request *Bulletin DH-50.*

Lightnin Mixer advantages

All-standard construction—low upkeep

Easy conversion if process changes

Widest selection of impellers, mountings, materials

Scale-up results fully predictable

Efficient sizing in modern laboratory and pilot plant facilities

Delivered complete, ready to operate

Correct performance guaranteed—or purchase price refunded

MIXING EQUIPMENT Co., Inc.
MIXCO
139 Mt. Read Blvd., Rochester 11, N.Y.

In Canada: William & J. G. Greey, Ltd., Toronto 1, Ont.

J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Eastern Industries, 296 Elm St, New Haven, Conn
Edgemoor Iron Works, Del
Emerson-Schuering Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Fairfield Engrg Co, Marion, Ohio
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Gen American Transportation Corp, Field Bldg, Chicago 90, Ill
Gen Mach Co of N J, 393 Market St, Newark 5, N J
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Hodgson Engr & Mfg Co, 1507 E 7 St, Tulsa 10, Okla
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio
International Selling Corp, 70 Pine St, N Y
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
L O Koven & Bro, 154 Odgen Ave, Jersey City 7, N J
Lawrence Pump & Engrg Co, P O Box 70, Lawrence, Mass
J M Lehman Co, 550 N Y Ave, Lyndhurst, N J
Marine Fabricators Co, 1010 State St, Perth Amboy, N J
Mercer-Robinson Co, 30 Church St, N Y 7
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Munson Mill Machy Co, 200 Seward Ave, Utica, N Y
National Engrg Co, 549 W Washington Blvd, Chicago, Ill
New England Tank & Tower Co, Everett, Mass
H W North Co, E 13 & Parade Sts, Erie, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Peerless Bread Machy Corp, Park St, Sidney, Ohio
Pfahler-Cleland Co, 820 Harding Way W, Galion, Ohio
Premier Mill Corp, 218 Genesee St, Geneva, N Y
Read Standard Corp, York, Pa
George G Rodgers Co, 2401 3 Ave, N Y 51
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass
Troy Engine & Mach Co, Troy, Pa
U S Pipe & Foundry Co, Pearl St, Burlington, N J

MIXERS, CAGE BEATER

Alsop Engrg Corp, Mildale, Conn
American Mach & Foundry Co, 485 5 Ave, N Y 17
Edgemoor Iron Works, Edgemoor, Del
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
New England Tank & Tower Co, Everett, Mass
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y

MIXERS, CHANGE CAN

Allied Steel & Equipment Co, Dept N, Chester, N J
Alsop Engrg Corp, Mildale, Conn
American Mach & Foundry Co, 485 5 Ave, N Y 17
Baker-Perkins Co, 1000 Hess St, Saginaw, Mich
J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
International Engrg, Dayton 1, Ohio
New England Tank & Tower Co, Everett, Mass
H W North Co, E 13 & Parade Sts, Erie, Pa
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Troy Engine & Mach Co, Troy, Pa

MIXERS, CONE

Alsop Engrg Corp, Mildale, Conn
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Edgemoor Iron Works, Del
Gen Mach Co of N J, 398 Market St, Newark 5 N J
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey Ave, City 7, N J
Mercer-Robinson Co, 30 Church St, N Y 7
H W North Co, E 13 & Parade Sts, Erie, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa

MIXERS, CONTINUOUS

Acme Coppersmithing & Mach Co, Oreland, Pa
Alsop Engrg Corp, Milldale, Conn
American Mach & Foundry Co, 485 5 Ave, N Y 17
Baker-Perkins Co, 1000 Hess St, Saginaw, Mich
Barber-Greene Co, 631 W Park St, Aurora, Ill
Bowser Inc, 1307 E Creighton Ave, Fort Wayne, Ind
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Chemicolloid Labs, 30 Church St, N Y
Eastern Industries, 296 Elm St, New Haven, Conn
Edgemoor Iron Works, Del
Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Nwark 5, N J
International Engrg, Dayton 1, Ohio
International Selling Corp, 70 Pine St, N Y
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Lawrence Pump & Engrg Co, P O Box 70, Lawrence, Mass
Marco Co, 3 & Church St, Wilmington, Del
Mercer-Robinson Co, 30 Church St, N Y 7

MIXERS, CONTINUOUS, continued

Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
New England Tank & Tower Co, Everett, Mass
H W North Co, E 13 & Parade Sts, Erie, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Read Standard Corp, York, Pa
Reitz Mfg Co, 441 Folsom St, San Franctsco 5, Cal
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa

MIXERS, DISC

Edgemoor Iron Works, Edgemoor, Del
Gen Mach Co of N J, 398 Market St, Newark 5, N J
Gruendler Crusher & Pulverizing Co, 2911-19 N Market St, St Louis 3, Mo
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
New England Tank & Tower Co, Everett, Mass
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y

MIXERS, DRY POWDER

Acme Coppersmithing & Mach Co, Oreland, Pa
Allied Steel & Equipment Co, Dept N, Chester, N J
American Mach & Foundry Co, 485 5 Ave, N Y 17
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Bonnot Co, Canton 2, Ohio
J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Edgemoor Iron Works, Edgemoor, Del
Gen Mach Co of N J, 398 Market St, Newark 5, N J
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Hodgson Engr & Mfg Co, 1507 E 7 St, Tulsa 10, Okla
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio
International Selling Corp, 70 Pine St, N Y
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Mercer-Robinson Co, 30 Church St, N Y 7
Munson Mill Machy Co, 200 Seward Ave, Utica, N Y
National Engrg Co, 549 W Washington Blvd, Chicago, Ill
H W North Co, E 13 & Parade Sts, Erie, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfahler-Cleland Co, 820 Harding Way W, Galion, Ohio
Read Standard Corp, York, Pa
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal
George G Rodgers Co, 2401 3 Ave, N Y 51
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Struthers Wells Corp, 5 Franklin St, Titusville, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass
U S Pipe & Foundry Co, Pearl St, Burlington, N J

MIXERS, GAS AIR

Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis
Eclipse Engrg Co, 703 S Main St, Rockford, Ill
Hauck Mfg Co, 123-133 10 St, Bklyn 15, N Y
Industrial Engrs, 8 Lister Ave, Newark 5, N J
C M Kemp Mfg Co, 405 E Oliver St, Baltimore 2, Md
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
North American Mfg Co, 4455 E 71 St, Cleveland 5, Ohio
J A Zurn Mfg Co, 1801 Pittsburgh Ave, Erie, Pa

MIXERS, GATE

Eastern Industries, 296 Elm St, New Haven, Conn
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
New England Tank & Tower Co, Everett, Mass
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y

MIXERS, HEATED (STEAM JACKETED)

Acme Coppersmithing & Mach Co, Oreland, Pa
Admiral Tool & Die Co, 45-14 Vernon Blvd, L I C 1, N Y
Alsop Engrg Corp, Milldale, Conn
American Mach & Foundry Co, 485 5 Ave, N Y 17
Baker-Perkins Co, 1000 Hess St, Saginaw, Mich
Barber-Greene Co, 631 W Park St, Aurora, Ill
Blaw-Knox Co, Blawnox, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Chicago Stainless Equipment Corp, 5003 Elston Ave, Chicago 30, Ill
J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
Edgemoor Iron Works, Edgemoor, Del
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Hetherington & Berner, 701 Kentucky Ave, Indianapolis 7, Ind
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J

MIXERS, HEATED (STEAM JACKETED), continued

Marine Fabricators Co, 1010 State St, Perth Amboy, N J
Mercer-Robinson Co, 30 Church St, N Y 7
National Engrg Co, 549 W Washington Blvd, Chicago, Ill
New England Tank & Tower Co, Everett, Mass
H W North Co, E 13 & Parade Sts, Erie, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Read Standard Corp, York, Pa
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Struthers Wells Corp, S Franklin St, Titusville, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa

MIXERS, LABORATORY

Admiral Tool & Die Co, 45-14 Vernon Blvd, L I C 1, N Y
Allied Steel & Equipment Co, Dept N, Chester, N J
Alsop Engrg Corp, Milldale, Conn
Baker-Perkins Co, 1000 Hess St, Saginaw, Mich
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Chemicolloid Labs, 30 Church St, N Y
J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Harry W Dietert Co, 9330 Roselawn Ave, Detroit 4, Mich
Eastern Industries, 296 Elm St, New Haven, Conn
Eberbach Corp, 200 E Liberty St, Ann Arbor, Mich
Edgemoor Iron Works, Edgemoor, Del
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Oscar Fisher Co, 1000 N Div St, Peekskill, N Y
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Gen American Trans Corp, 135 S LaSalle St, Chicago 90, Ill
Emil Greiner Co, 20-26 N Moore St, N Y 13
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
International Engrg, Dayton 1, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Lawrence Pump & Engrg Co, P O Box 70, Lawrence, Mass
Mercer-Robinson Co, 30 Church St, N Y 7
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
National Engrg Co, 549 W Washington Blvd, Chicago, Ill
H W North Co, E 13 & Parade Sts, Erie, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Premier Mill Corp, 218 Genesee St, Geneva, N Y
Read Standard Corp, York, Pa
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Troy Engine & Mach Co, Troy, Pa
Wilkens-Anderson Co, 4525 W Div St, Chicago 51, Ill
Will Corp, Rochester 3, N Y

MIXERS, LIQUID

Acme Coppersmithing & Mach Co, Oreland, Pa
Admiral Tool & Die Co, 45-14 Vernon Blvd, L I C 1, N Y
Allied Steel & Equipment Co, Dept N, Chester, N J
Alsop Engrg Corp, Milldale, Conn
American Mach & Foundry Co, 485 5 Ave, N Y 17
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
Bowser Inc, 1307 E Creighton Ave, Fort Wayne, Ind
Chemicolloid Labs, 30 Church St, N Y
Cornell Mach Co, 99 Wall St, N Y
J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Eastern Industries, 296 Elm St, New Haven, Conn
Edgemoor Iron Works, Edgemoor, Del
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Gen American Trans Corp, 135 S LaSalle St, Chicago 90, Ill
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Hodgson Engr & Mfg Co, 1507 E 7 St, Tulsa 10, Okla
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Lawrence Pump & Engrg Co, P O Box 70, Lawrence, Mass
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Mercer-Robinson Co, 30 Church St, N Y 7
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
National Rubber Machy Co, 47 W Exchange St, Akron 8, Ohio
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
New England Tank & Tower Co, Everett, Mass
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich

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MIXERS, LIQUID, continued

Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Premier Mill Corp, 218 Genesee St, Geneva, N Y
Read Standard Corp, York, Pa
George G Rodgers Co, 2401 3 Ave, N Y 51
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Walker Process Equipment Co, 518 Hauks St, Aurora, Ill

MIXERS, PADDLE

Admiral Tool & Die Co, 45-14 Vernon Blvd, L I C 1, N Y
Allied Steel & Equipment Co, Dept N, Chester, N J
Alsop Engrg Corp, Milldale, Conn
American Mach & Foundry Co, 485 5 Ave, N Y 17
Berlin Chapman Co, Berlin, Wis
Blaw-Knox Co, Blawnox, Pa
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Chem Engrg Service, 3741½ Washington, Green Bay, Wis
J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Eastern Industries, 296 Elm St, New Haven, Conn
Edgemoor Iron Works, Edgemoor, Del
Emerson-Scheuring Tank Co. 21 & Martindale Ave, Indianapolis, Ind
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Hetherington & Berner, 701 Ky Ave, Indianapolis 7, Ind
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
J M Lehman Co, 550 N Y Ave, Lyndhurst, N J
Link-Belt Co, 3405 & Ave S, Seattle 4, Wash
Lukens Steel Co, 1949 Gillen St, Coatesville, Pa
Mercer-Robinson Co, 30 Church St, N Y 7
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
National Engrg Co, 549 W Washington Blvd, Chicago, Ill
New England Tank & Tower Co, Everett, Mass
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Peerless Bread Machy Corp, Park St, Sidney, Ohio
Premier Mill Corp, 218 Genesee St, Geneva, N Y
Read Standard Corp, York Pa
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Walker Process Equipment Co, 518 Hauks St, Aurora, Ill

MIXERS, PORTABLE

Allied Steel & Equipment Co, Dept N, Chester, N J
Alsop Engrg Corp, Milldale, Conn
Barber-Greene Co, 631 W Park St, Aurora, Ill
J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
Edgemoor Iron Works, Edgemoor, Del
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Eastern Industries, 296 Elm St, New Haven, Conn
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Gray Co, 60 11 Ave N E, Minneapolis 31, Minn
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
International Engrg, Dayton 1, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Lawrence Pump & Engrg Co, P O Box 70, Lawrence, Mass
Mercer-Robinson Co, 30 Church St, N Y 7
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
National Engrg Co, 549 W Washington Blvd, Chicago, Ill
New England Tank & Tower Co, Everett, Mass
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio

MIXERS, PORTABLE, continued

Perry Equipment Corp, 1515 W Thompson St, Phila 21, Pa
Premier Mill Corp, 218 Genesee St, Geneva, N Y
George G Rodgers Co, 2401 3 Ave, N Y 51
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y

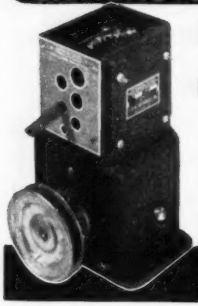
MIXERS, PRESSURE AND VACUUM

Acme Coppersmithing & Mach Co, Oreland, Pa
Admiral Tool & Die Co, 45-14 Vernon Blvd, L I C 1, N Y
Alsop Engrg Corp, Milldale, Conn
American Mach & Foundry Co, 485 5 Ave, N Y 17
Autoclave Engrs, 860 E 19 St, Erie, Pa
Baker-Perkins Co, 1000 Hess St, Saginaw, Mich
Blaw-Knox Co, Blawnox, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
Bonnot Co, Canton 2, Ohio
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Chicago Stainless Equipment Corp, 5003 Elston Ave, Chicago 30, Ill
Cornell Mach Co, 99 Wall St, N Y
J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Edgemoor Iron Works, Edgemoor, Del
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Mercer-Robinson Co, 30 Church St, N Y 7
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
Molonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
National Engrg Co, 549 W Washington Blvd, Chicago, Ill
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
New England Tank & Tower Co, Everett, Mass
H W North Co, E 13 & Parade Sts, Erie, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Read Standard Corp, York, Pa
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
U S Stoneware Co, 60 E 42 St, N Y

MIXERS, PROPELLER

Alsop Engrg Corp, Milldale, Conn
Binks Mfg Co, 3114-40 Carroll Ave, Chicago, Ill
Eastern Industries, 296 Elm St, New Haven, Conn
Edgemoor Iron Works, Edgemoor, Del
Enthone Inc, 442 Elm St, New Haven, Conn
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Link-Belt Co, 3405 & Ave S, Seattle 4, Wash
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
New England Tank & Tower Co, Everett, Mass
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
George G Rodgers Co, 2401 3 Ave, N Y 51
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Walker Process Equipment Co, 518 Hauks St, Aurora, Ill

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MIXERS, RADIAL PROPELLER

Alsop Engrg Corp, Milldale, Conn
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Edgemoor Iron Works, Edgemoor, Del
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
New England Tank & Tower Co, Everett, Mass
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa

MIXERS, REVOLVING DRUM

Acme Coppersmithing & Mach Co, Oreland, Pa
Allied Steel & Equipment Co, Dept N, Chester, N J
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Edgemoor Iron Works, Edgemoor, Del
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Hodgson Engr & Mfg Co, 1507 E 7 St, Tulsa 10, Okla
International Engrg, Dayton 1, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Mercer-Robinson Co, 30 Church St, N Y 7
Munson Mill Machy Co, 200 Seward Ave, Utica, N Y
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
H W North Co, E 13 & Parade Sts, Erie, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Read Standard Corp, York, Pa
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Struthers Wells Corp, S Franklin St, Titusville, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass

MIXERS, RUBBER-LINED

Alsop Engrg Corp, Milldale, Conn
American Hard Rubber Co, 11 Mercer St, N Y 13
Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
International Engrg, Dayton 1, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Mercer-Robinson Co, 30 Church St, N Y 7
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
National Engrg Co, 549 W Washington Blvd, Chicago, Ill
New England Tank & Tower Co, Everett, Mass
H W North Co, E 13 & Parade Sts, Erie, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Raybestos-Manhattan, 61 Willet St, Passaic, N J
Read Standard Corp, York, Pa
U S Stoneware Co, 60 E 42 St, N Y

MIXERS, SIDE-ENTERING

Alsop Engrg Corp, Milldale, Conn
American Mach & Foundry Co, 485 5 Ave, N Y 17
Edgemoor Iron Works, Edgemoor, Del
Eastern Industries, 296 Elm St, New Haven, Conn
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio

MIXERS, SIDE-ENTERING, continued

L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Mercer-Robinson Co, 30 Church St, N Y 7
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
New England Tank & Tower Co, Everett, Mass
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Premier Mill Corp, 218 Genesee St, Geneva, N Y

MIXERS, STEAM AND WATER

J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Industrial Engrs, 8 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
J M Lehman Co, 550 N Y Ave, Lyndhurst, N J
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Powers Regulator Co, 2736 Greenview Ave, Chicago 14, Ill
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Sarco Co, 350 5 Ave, N Y 1
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Taco Heaters, 137 South St, Providence 3, R I

MIXERS, TOP ENTERING

Alsop Engrg Corp, Milldale, Conn
American Mach & Foundry Co, 485 5 Ave, N Y 17
Blaw-Knox Co, Blawnox, Pa
J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
Eastern Industries, 296 Elm St, New Haven, Conn
Edgemoor Iron Works, Edgemoor, Del
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
J M Lehman Co, 550 N Y Ave, Lyndhurst, N J
Mercer-Robinson Co, 30 Church St, N Y 7
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
National Engrg Co, 549 W Washington Blvd, Chicago, Ill
New England Tank & Tower Co, Everett, Mass
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Premier Mill Corp, 218 Genesee St, Geneva, N Y
George G Rodgers Co, 2401 3 Ave, N Y 51
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa

MIXERS, TUMBLING

Allied Steel & Equipment Co, Dept N, Chester, N J
Edgemoor Iron Works, Edgemoor, Del
Gen Mach Co of N J, 398 Market St, Newark 5, N J
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Hodgson Engr & Mfg Co, 1507 E 7 St, Tulsa 10, Okla
Industrial Engrs, 8 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Mercer-Robinson Co, 30 Church St, N Y 7
Munson Mill Machy Co, 200 Seward Ave, Utica, N Y
New England Tank & Tower Co, Everett, Mass
H W North Co, E 13 & Parade Sts, Erie, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio

MIXERS, TUMBLING, continued

Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfahler-Cleland Co, 820 Harding Way W, Galion, Ohio
Pulverizing Machy Co, Chatham Rd, P O Box 569, Summit, N J
Read Standard Corp, York, Pa
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
U S Stoneware Co, 60 E 42 St, N Y

MIXERS, TURBINE

Alsop Engrg Corp, Milldale, Conn
J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Edgemoor Iron Works, Edgemoor, Del
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Gen American Trans Corp, Field Bldg, Chicago 90, Ill
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Engrs, Dayton 1, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11, N Y
New England Tank & Tower Co, Everett, Mass
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa

MORTARS, HIGH TEMPERATURE

Babcock & Wilcox, 85 Liberty St, N Y 6
Carborundum Co, Perth Amboy, N J
Denver Fire Clay Co, 2301 Blake St, Denver 17, Col
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Mullite Refractories Co, 29 Canal, Shelton, Conn
North American Refractories Co, 1012 National City Bldg, E 6 St, Cleveland 14, Ohio
Refractory & Insulation Corp, 120 Wall St, N Y

MOTORS, A. C.

Louis Allis Co, 427 E Stewart St, Milwaukee 7, Wis
Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee 1, Wis
Baldor Elec Co, 325 W Huron St, Chicago 10, Ill
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Century Elec Co, 1806 Pine St, St Louis 3, Mo
Continental Elec Co, 325 Ferry St, Newark 5, N J
Diehl Mfg Co, 1181 Finderne Ave, Somerville, N J
Elec Machy Mfg Co, 1331 N E Tyler St, Minneapolis 13, Minn
Electra Motors, 1110 N Lemon St, Anaheim, Cal
Elliott Co, 900 N 4 St, Jeannette, Pa
Gen Elec Co, Schenectady 5, N Y
Lima Elec Co, Findlay Rd, Lima, Ohio
Master Elec Co, 126 Davis St, Dayton 1, Ohio
Miehle Printing Press & Mfg Co, 200 Bloomfield Ave, Bloomfield, N J
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Reliance Elec & Engrg Co, 1088 Ivanhoe Rd, Cleveland 10, Ohio
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Star-Kimble Motor Div, 200 Bloomfield Ave, Bloomfield, N J
Wagner Elec Corp, 6400 Plymouth Ave, St Louis 14, Mo
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa

MOTORS, AIR

Binks Mfg Co, 3114 Carroll Ave, Chicago, Ill
Chicago Pneumatic Tool Co, 6 E 44 St, N Y 17
Eimco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Elliott Co, 900 N 4 St, Jeannette, Pa
Ingersoll-Rand Co, Phillipsburgh, N J

MOTORS, D. C.

Louis Allis Co, 427 E Stewart St, Milwaukee 7, Wis
Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee 1, Wis
Century Elec Co, 1806 Pine St, St Louis 3, Mo
Continental Elec Co, 325 Ferry St, Newark 5, N J
Elliott Co, 900 N 4 St, Jeannette, Pa
Gen Elec Co, Schenectady 5, N Y
Master Elec Co, 126 Davis St, Dayton 1, Ohio
Miehle Printing Press & Mfg Co, 200 Bloomfield Ave, Bloomfield, N J
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Reliance Elec & Engrg Co, 1088 Ivanhoe Rd, Cleveland 10, Ohio
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Star-Kimble Motor Div, 200 Bloomfield Ave, Bloomfield, N J
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa

MOTORS, ENCLOSED (FAN COOLED)

Louis Allis Co, 427 E Stewart St, Milwaukee 7, Wis
Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee 1, Wis
Baldor Elec Co, 325 Huron St, Chicago 10, Ill
Century Electric Co, 1806 Pine St, St Louis 3, Mo
Continental Elec Co, 325 Ferry St, Newark 5 N J
Diehl Mfg Co, 1181 Finderne Ave, Somerville, N J
Elec Machy Mfg Co, 1331 N E Tyler St, Minneapolis 13, Minn
Electra Motors, 1110 N Lemon St, Anaheim, Cal
Elliott Co, 900 N 4 St, Jeannette, Pa
Gen Elec Co, Schenectady 5, N Y
Lima Elec Co, Findlay Rd, Lima, Ohio
Master Elec Co, 126 Davis St, Dayton 1, Ohio
Miehle Printing Press & Mfg Co, 200 Bloomfield Ave, Bloomfield, N J
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Reliance Elec & Engrg Co, 1088 Ivanhoe Rd, Cleveland 10, Ohio
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Star-Kimble Motor Div, 200 Bloomfield Ave, Bloomfield, N J
Wagner Elec Corp, 6400 Plymouth Ave, St Louis 14, Mo
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa

MOTORS, EXPLOSION-PROOF

Louis Allis Co, 427 E Stewart St, Milwaukee 7, Wis
Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee 1, Wis
Century Electric Co, 1806 Pine St, St Louis 3, Mo
Continental Elec Co, 325 Ferry St, Newark 5, N J
Diehl Mfg Co, 1181 Finderne Ave, Somerville, N J
Elliott Co, 900 N 4 St, Jeannette, Pa
Gen Elec Co, Schenectady 5, N Y
Lima Elec Co, Findlay Rd, Lima, Ohio
Master Elec Co, 126 Davis St, Dayton 1, Ohio
Miehle Printing Press & Mfg Co, 200 Bloomfield Ave, Bloomfield, N J
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Reliance Elec & Engrg Co, 1088 Ivanhoe Rd, Cleveland 10, Ohio
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
Star-Kimble Motor Div, 200 Bloomfield Ave, Bloomfield, N J
Wagner Elec Corp, 6400 Plymouth Ave, St Louis 14, Mo
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa

MOTORS, SPLASH-PROOF

Louis Allis Co, 427 E Stewart St, Milwaukee 7, Wis
Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee 1, Wis
Century Electric Co, 1806 Pine St, St Louis 3, Mo
Continental Elec Co, 325 Ferry St, Newark 5 N J
Diehl Mfg Co, 1181 Finderne Ave, Somerville, N J
Elec Machy Mfg Co, 1331 N E Tyler St, Minneapolis 13, Minn
Electra Motors, 1110 N Lemon St, Anaheim, Cal
Elliott Co, 900 N 4 St, Jeannette, Pa
Gen Elec Co, Schenectady 5, N Y
Master Elec Co, 126 Davis St, Dayton 1, Ohio
Miehle Printing Press & Mfg Co, 200 Bloomfield Ave, Bloomfield, N J
Reliance Elec & Engrg Co, 1088 Ivanhoe Rd, Cleveland 10, Ohio
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Star-Kimble Motor Div, 200 Bloomfield Ave, Bloomfield, N J
Wagner Elec Corp, 6400 Plymouth Ave, St Louis 14, Mo
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa

MOTORS, SYNCHRONOUS

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee 1, Wis
Century Electric Co, 1806 Pine St, St Louis 3, Mo
Continental Elec Co, 325 Ferry St, Newark 5, N J
Diehl Mfg Co, 1181 Finderne Ave, Somerville, N J
Elec Machy Co, 1331 N E Tayler St, Minneapolis 13, Minn
Electra Motors, 1110 N Lemon St, Anaheim, Cal
Elliott Co, 900 N 4 St, Jeannette, Pa
Gen Elec Co, Schnectady 5, N Y
Master Elec Co, 126 Davis St, Daytnn 1, Ohio
Miehle Printing Press & Mfg Co, 200 Bloomfield Ave, Bloomfield, N J
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Star-Kimble Motor Div, 200 Bloomfield Ave, Bloomfield, N J
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa

NEPHELOMETERS

Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa

NITRATORS

Acme Coppersmithing & Mach Co, Oreland, Pa
Blaw-Knox Co, Blawnox, Pa
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgemoor, Del
Industrial Engrgs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa

NOZZLES, ATOMIZING

American Moistening Co, 260 W Exchange St, Providence 1, R I
John Bean Co, 1305 S Cedar St, Lansing 4, Mich
Binks Mfg Co, 3114 Carroll Ave, Chicago 12, Ill
Marley Co, 222 W Gregory Blvd, Kansas City, Mo
J C Miller Co, 631 Chestnut SW, Grand Rapids, Mich
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Spraying Systems Co, 3274 Randolph St, Bellwood, Ill
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

NOZZLES, BLAST CLEANING

American Wheelabrator & Equipment Corp, 827 S Byrkit St, Mishawaka, Ind
John Bean Co, 1305 S Cedar St, Lansing 4, Mich
Lunkenheimer Co Beekman St & Waverly Ave, Cincinnati 14, Ohio
Norton Co, 1 New Bond St, Worcester 6, Mass
Pangborn Corp, 210 Pangborn Blvd, Hagerstown, Md
W W Sly Mfg Co, 4700 Train Ave, Cleveland 2, Ohio

NOZZLES, FOG

American Moistening Co, 260 W Exchange St, Providence 1, R I
John Bean Co, 1305 S Cedar St, Lansing 4, Mich
Enthone Inc, 442 Elm St, New Haven, Conn
S P Kinney Engrs, 201 2 Ave, Carnegie, Pa
Marley Co, Fairfax & Marley Rds, Kansas City 15, Kan
Monarch Mfg Co Works, 2501 E Ontario St, Phila 34, Pa
Spray Engrg Co, 114 Central St, Somerville 45, Mass
Spraying Systems Co, 3274 Randolph St, Bellwood, Ill

NOZZLES, HARD RUBBER

American Hard Rubber Co, 11 Mercer St, N Y 13
Monarch Mfg Co, Works, 2501 E Ontario St, Phila 34, Pa
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Schutte & Koerting Co, Cornwell Heights, Bucks Co, Pa
Spraying Systems Co, 3274 Randolph St, Bellwood, Ill
Stokes Molded Products, Trenton 4, N J

NOZZLES, HUMIDIFYING

American Moistening Co, 260 W Exchange St, Providence 1, R I
Binks Mfg Co, 3114-40 Carroll Ave, Chicago 12, Ill
Marley Co, 222 W Gregory Blvd, Kansas City, Mo
Monarch Mfg Co Works, 2501 E Ontario St, Phila 34, Pa
Spray Engrg Co, 114 Central St, Somerville 45, Mass
Spraying Systems Co, 3274 Randolph St, Bellwood, Ill

NOZZLES, MANHOLE

Edgemoor Iron Works, Edgemoor, Del
Lenape Hydraulic Pressing & Forging Co, P O Box 536, W Chester, Pa
Vapor Recovery Systems Co, 2820 N Alameda St, Compton 2, Cal

NOZZLES, MIXING

John Bean Co, 1305 S Cedar St, Lansing 4, Mich
Duriron Co, 450 N Finley St, Dayton 1, Ohio
Falls Industries, Aurora Rd, Solon, Ohio
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Spray Engrg Co, 114 Central St, Somerville 45, Mass
Spraying Systems Co, 3274 Randolph St, Bellwood, Ill

NOZZLES, SPRAY

American Brake Shoe Co, 230 Park Ave, N Y 17
American LaFrance Foamite Corp, Elmira, N Y
John Bean Co, 1305 S Cedar St, Lansing 4, Mich
Binks Mfg Co, 3114 Carroll Ave, Chicago 12, Ill
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Enthone Inc, 442 Elm St, New Haven, Conn
Grinnell Co, 260 W Exchange St, Providence 1, R I
S P Kinney Engrs, 201 2 Ave, Carnegie, Pa
Link-Belt Co, 3405 & Ave S, Seattle 4, Wash
Marley Co, 222 W Gregory Blvd, Kansas City 5, Mo
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Monarch Mfg Co Works, 2501 E Ontario St, Phila 34, Pa
National Foam System, Union & Adams Sts, W Chester, Pa
Oliver United Filters, 2900 Glassnock St, Oakland 1, Cal
J F Pritchard & Co, 908 Grand Ave, Kansas City 6, Mo
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Spray Engrg Co, 114 Central St, Somerville 45, Mass
Spraying Systems Co, 3274 Randolph St, Bellwood, Ill
Yarnall-Waring Co, 102 E Mermaid Lane, Phila 18, Pa

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All nozzles engineered for high operating efficiency with minimum possible maintenance and replacement. Manufactured with special modern high-speed machine tools for lower cost.

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Spraying Systems Co. specializes in the design and manufacture of spray nozzles. Types and sizes for chemical industry application number in the thousands. Every known type of spray can be produced to meet your exact specifications in spray pattern, spray angle, degree of atomization, and volume for any given pressure. Nozzles are supplied in wide variety of materials to meet all conditions. Also supplied are such accessory units as line strainers, adjustable nozzle joints and valves.

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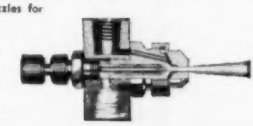
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NOZZLES, STONEWARE

Monarch Mfg Co Works, 2501 E Ontario St, Phila 34, Pa
Spray Engrg Co, 114 Central St, Somerville 45, Mass
U S Stoneware Co, 60 E 42 St, N Y

ORSAT APPARATUS

Burrell Corp, 2223 5 Ave, Pittsburgh 19, Pa
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Emil Greiner Co, 20-26 N Moore St, N Y 13
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
H S Martin & Co, 1916 Greenleaf Ave, Evanston, Ill
Podbielniak Inc, 341 E Ohio, St, Chicago 17, Ill
Scientific Glass Apparatus Co, Bloomfield, N J
Will Corp, Rochester 3, N Y

OVENS, DRYING

Air Devices, 17 E 42 St, N Y 17
American Mach & Foundry Co, 485 5 Ave, N Y 17
Belke Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
Burdette Mfg Co, 3453 W Madison St, Chicago 24, Ill
Denver Equipment Co, 1400 17 St, Denver 17, Col
Despatch Oven Co, 619 S E 8 St, Minneapolis 15, Minn
Harry W Dietert Co, 9330 Roselawn Ave, Detroit 4, Mich
Elec Hotpack Co, 5935 Cottman Ave, Phila 35, Pa
Falstrom Co, 9 Falstrom Court, Passaic, N J
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Fostoria Pressed Steel Corp, Fostoria, Ohio
Girdler Corp, 224 E Broadway, Louisville, Ky
Emil Greiner Co, 20-26 N Moore St, N Y 13
Hanson-Van Winkle-Munning Co, Matawan, N J
K H Huppert Co, 6830 Cottage Grove Ave, Chicago, Ill
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Metal Products Corp, 50 W 19 St, Weehawken, N J
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Procter & Schwartz, 7 & Tabor Rd, Phila 20, Pa
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
J D Ross Engrg Corp, 444 Madison Ave, N Y 22
Steiner-Ives Co, 8-16 Ave L, Newark 5, N J
Tenney Engrg, 26 Ave B, Newark 5, N J
Trent Inc, 4585 Wilde St, Phila 27, Pa
U S Plywood Corp, 55 W 44 St, N Y 18
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa
Will Corp, Rochester 3, N Y

OVENS, ELECTRIC

Belke Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
Despatch Oven Co, 619 S E 8 St, Minneapolis 15, Minn
Elec Hotpack Co, 5935 Cottman Ave, Phila 35, Pa
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Fostoria Pressed Steel Corp, Fostoria, Ohio
Emil Greiner Co, 20-26 N Moore St, N Y 13
K H Huppert Co, 6830 Cottage Grove Ave, Chicago, Ill
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
J D Ross Engrg Corp, 444 Madison Ave, N Y 22
Steiner-Ives Co, 8-16 Ave L, Newark, N J
Tenney Engrg, 26 Ave B, Newark 5, N J
Trent Inc, 4585 Wilde St, Phila 27, Pa
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa
Will Corp, Rochester 3, N Y

OVENS, LABORATORY

American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
Denver Equipment Co, 1400 17 St, Denver 17, Col
Despatch Oven Co, 619 S E 8 St, Minneapolis 15, Minn
Harry W Dietert Co, 9330 Roselawn Ave, Detroit 4, Mich
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Emil Greiner Co, 20-26 N Moore St, N Y 13
K H Huppert Co, 6830 Cottage Grove Ave, Chicago, Ill
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Metal Products Corp, 50 W 19 St, Weehawken, N J
Metalab Equipment Corp, 270 Duffy Ave, Hicksville, L I, N Y
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Procter & Schwartz, 7 & Tabor Rd, Phila 20, Pa
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Steiner-Ives Co, 8-16 Ave L, Newark 5, N J
Tenney Engrg, 26 Ave B, Newark 5, N J
Arthur H Thomas Co, 230 S 7 St, Phila, Pa
Trent Inc, 4585 Wilde St, Phila 27, Pa
Will Corp, Rochester 3, N Y

OVENS, TEMPERING AND TREATING

Despatch Oven Co, 619 S E 8 St, Minneapolis 15, Minn
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Hevi Duty Elec Co, 4212 Highland Blvd, Milwaukee, Wis
K H Huppert Co, 6830 Cottage Grove Ave, Chicago, Ill
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
J D Ross Engrg Corp, 444 Madison Ave, N Y 22

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OVENS, TEMPERING AND TREATING, continued

Steiner-Ives Co, 8-16 Ave L, Newark 5, N J
Surface Combustion Corp, 2375 Dorr St, Toledo, Ohio
Trent Inc, 4585 Wilde St, Phila 27, Pa

OVENS, VACUUM

J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Distillation Products Industries, Rochester 3, N Y
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Procter & Schwartz, 7 & Tabor Rd, Phila 20, Pa
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Will Corp, Rochester 3, N Y

PACKAGING, ACID-RESISTING

Atlas Mineral Products Co, Mertztown, Pa
J L Ferguson Co, Route 52 at Republic Ave, Joliet, Ill
Kennedy Car Liner & Bag Co, 16 Prospect Ave, Shelbyville, Ind
Ozark-Mahoning Co, 310 W 6 St, Tulsa, Okla
Pelamay Products, 629 2 Ave, N Y 16
Plax Corp, 450 Asylum St, Hartford 1, Conn
Reynolds Metal Co, 2500 S 3 St, Louisville, Ky

PACKAGING EQUIPMENT MACHINES

Bemis Bro Bag Co, 111-N N 4 St, St Louis 2, Mo
Burt Mach Co, 401-03 E Oliver St, Baltimore, Md
Consolidated Packaging Mchy Corp, 1400 West Ave, Buffalo 13, N Y
Economic Machy Co, 8 Grafton St, Worcester, Mass
J L Ferguson Co, Route 52 at Republic Ave, Joliet, Ill
Island Equipment Corp, 27-01 Bridge Plaza N, L I C 1, N Y
Karl Kiefer Mach Co, 919 Martin St, Cincinnati 2, Ohio
M R M Co, 191 Berry St, Bklyn, N Y
G Diehl Mateer & Co, Lincoln Highway, Devon, Pa
H W North Co, E 13 & Parade Sts, Erie, Pa
Pneumatic Scale Corp, 68 Newport Ave, N Quincy 71, Mass
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J
Stokes & Smith Co, 5010 Summerdale Ave, Phila 24, Pa
Triangle Package Machy Co, 6633-55 W Diversey Ave, Chicago 35, Ill

PACKERS, BAG

Bemis Bro Bag Co, 111-N N 4 St, St Louis 2, Mo
B F Gump Co, 1347 S Cicero Ave, Chicago 50, Ill
Pneumatic Scale Corp, 68 Newport Ave, N Quincy 71, Mass
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J
St Regis Sales Corp, 230 Park Ave, N Y 17
Syntron Co, 421 Lexington Ave, Homer City, Pa
Triangle Package Machy Co, 6633-55 W Diversey Ave, Chicago 35, Ill

PACKERS, BARREL

B F Gump Co, 1347 S Cicero Ave, Chicago 50, Ill
Hodgson Engr & Mfg Co, 1507 E 7 St, Tulsa 10, Okla
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J

PACKING, ASBESTOS

Chicago Gasket Co, 1275 W North St, Chicago, Ill
Durametallic Corp, 2104 Factory St, Kalamazoo 24, Mich
Felt Products Mfg Co, 1508 Carroll Ave, Chicago 7, Ill
Garlock Packing Co, Palmyra, N Y
Gatke Corp, 228 N LaSalle St, Chicago 1, Ill
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
Keasbey & Mattison Co, Butler Ave, Ambler, Pa
Marlo Co, 434 Broadway, N Y 13
Packing Engrg Corp, 982 Lincoln Rd, Cranford, N J
H K Porter Co, 4915 Comly St, Wissinoming, Phila 24, Pa
Raybestos-Manhattan, Manheim, Pa
Union Abestos & Rubber Co, 332 E Mich Ave, Chicago, Ill
U S Gasket Co, 610 N 10 St, Camden, N J
U S Rubber Co, L H Gilmer Div, Tacony, Phila 35, Pa
U S Rubber Co, 1230 6 Ave, N Y 20

PACKING, HYDRAULIC

Chicago Gasket Co, 1275 W North St, Chicago, Ill
Durametallic Corp, 2104 Factory St, Kalamazoo 24, Mich
Felt Products Mfg Co, 1508 Carroll Ave, Chicago 7, Ill
Garlock Packing Co, Palmyra, N Y
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
Graton & Knight Co, 356 Franklin St, Worcester 4, Mass
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
Marlo Co, 434 Broadway, N Y 13
Packing Engrg Corp, 982 Lincoln Rd, Cranford, N J
H K Porter Co, 4915 Comly St, Wissinoming, Phila 24, Pa
Raybestos-Manhattan, Manheim, Pa
J E Rhoads & Sons, 35 N 6 St, Phila 6, Pa
Union Asbestos & Rubber Co, 332 E Mich Ave, Chicago, Ill
U S Rubber Co, L H Gilmer Div, Tacony, Phila 35, Pa
U S Rubber Co, 1230 6 Ave, N Y 20

PACKING, METALLIC

Chicago Gasket Co, 1275 W North St, Chicago, Ill
C Lee Cook Mfg Co, 76 Beaver St, N Y 5
Durametallic Corp, 2104 Factory St, Kalamazoo 24, Mich
Felt Products Mfg Co, 1508 Carroll Ave, Chicago 7, Ill
Garlock Packing Co, Palmyra, N Y
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
Marlo Co, 434 Broadway, N Y 13
Packing Engrg Corp, 982 Lincoln Rd, Cranford, N J
Raybestos-Manhattan, Manheim, Pa
Union Asbestos & Rubber Co, 332 E Mich Ave, Chicago, Ill
Otto H York Co, 69 Glenwood Pl, E Orange, N J

PACKING, PLASTIC

Atlas Mineral Products Co, Mertztown, Pa
Chicago Gasket Co, 1275 W North St, Chicago, Ill
Durametallic Corp, 2104 Factory St, Kalamazoo 24, Mich
Felt Products Mfg Co, 1508 Carroll Ave, Chicago 7, Ill
Garlock Packing Co, Palmyra, N Y
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
Kennedy Car Liner & Bag Co, 16 Prospect Ave, Shelbyville, Ind
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Packing Engrg Corp, 982 Lincoln Rd, Cranford, N J
Power Products Co, 11 Broadway, N Y 4
Presstite Engrg Co, 3900 Chouteau, St Louis 10, Mo
Raybestos-Manhattan, Manhe'm, Pa
U S Rubber Co, L H Gilmer Div, Tacony, Phila 35, Pa
U S Rubber Co, 1230 6 Ave, N Y 20
U S Stoneware Co, 60 E 42 St, N Y

PACKING, PUMP

Chicago Gasket Co, 1275 W North St, Chicago, Ill
C Lee Cook Mfg Co, 76 Beaver St, N Y 5
Durametallic Corp, 2104 Factory St, Kalamazoo 24, Mich
Felt Products Mfg Co, 1508 Carroll Ave, Chicago 7, Ill
Garlock Packing Co, Palmyra, N Y
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
Keasbey & Mattison Co, Butler Ave, Ambler, Pa
Marlo Co, 434 Broadway, N Y 13
Packing Engrg Corp, 982 Lincoln Rd, Cranford, N J
Pioneer Rubber Mills, 353 Sacramento St, San Francisco 11, Cal
Raybestos-Manhattan, Manheim, Pa
U S Gasket Co, 610 N 10 St, Camden, N J
U S Rubber Co, L H Gilmer Div, Tacony, Phila 35, Pa
U S Rubber Co, 1230 6 Ave, N Y 20

PACKING, RUBBER

Chicago Gasket Co, 1275 W North St, Chicago, Ill
Felt Products Mfg Co, 1508 Carroll Ave, Chicago 7, Ill
Garlock Packing Co, Palmyra, N Y
Gen Elec Co, 1 Plastics Ave, Pittsfield, Mass
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
Hewitt-Robins, Hewitt Rubber Div, 240 Kensington Ave, Buffalo 5, N Y
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa
Marlo Co, 434 Broadway, N Y 13
Packing Engrg Corp, 982 Lincoln Rd, Cranford, N J
Parker Appliance Co, 17325 Euclid Ave, Cleveland 12, Ohio
Pioneer Rubber Mills, 353 Sacramento St, San Francisco 11, Cal
H K Porter Co, 4915 Comly St, Wissinoming, Phila 24, Pa
Raybestos-Manhattan, Manheim, Pa
Republic Rubber Div, Lee Rubber & Tire Corp, Albert St, Youngstown 1, Ohio
Rubber & Plastic Products Corp, Matawan, N J
U S Rubber Co, L H Gilmer Div, Tacony, Phila 35, Pa
U S Rubber Co, 1230 6 Ave, N Y 20

PACKING TOWER

British-American Carbon Corp, 18 E 48 St, N Y
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Packing Engrg Corp, 982 Lincoln Rd, Cranford, N J
Podielniak Inc, 341 E Ohio St, Chicago 17, Ill
M H Treadwell Co, 140 Cedar St, N Y 6
U S Gasket Co, 610 N 10 St, Camden, N J
U S Stoneware Co, 60 E 42 St, N Y
Otto H York Co, 69 Glenwood Pl, E Orange, N J

PACKING TOWER (ACID-PROOF)

British-American Carbon Corp, 18 E 48 St, N Y
Chemsteel Construction Co, 500 Chemsteel Bldg, Pittsburgh 12, Pa
Electro Chem Engrg & Mfg Co, 752 Broad St, Emmaus, Pa
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Packing Engrg Corp, 982 Lincoln Rd, Cranford, N J
Power Products Co, 11 Broadway, N Y 4
U S Gasket Co, 610 N 10 St, Camden, N J
U S Stoneware Co, 60 E 42 St, N Y
Otto H York Co, 69 Glenwood Pl, E Orange, N J

PACKING VALVE

Chicago Gasket Co, 1275 W North St, Chicago, Ill
Durametallic Corp, 2104 Factory St, Kalamazoo 24, Mich
Garlock Packing Co, Palmyra, N Y
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
Marlo Co, 434 Broadway, N Y 13
Packing Engrg Corp, 982 Lincoln Rd, Cranford, N J
Pioneer Rubber Mills, 353 Sacramento St, San Francisco 11, Cal
H K Porter Co, 4915 Comly St, Wissinoming, Phila 24, Pa
Raybestos-Manhattan, Manheim, Pa
U S Gasket Co, 610 N 10, St, Camden, N J
U S Rubber Co, L H Gilmer Div, Tacony, Phila 35, Pa

PAILS, FIBERGLAS

Apex Elec Mfg Co, 7424 Bessemer Ave, Cleveland 27, Ohio

PAILS, FIBRE SHIPPING

Continental Can Co, 100 E 42 St, N Y 17
Fibreboard Products, 1789 Montgomery St, San Francisco 6, Cal
Virginia Barrel Co, Box 86 Mariners Harbor Sta, Staten Island, N Y

PAILS, HARD RUBBER

American Hard Rubber Co, 11 Mercer St, N Y 13
Enthone Inc, 442 Elm St, New Haven, Conn
Gates Rubber Co, 999 S Broadway, Denver 17, Col
Hanson-Van Winkle-Munning Co, Matawan, N J
Luzerne Rubber Co, Trenton 7, N J
J C Miller Co, 631 Chestnut SW, Grand Rapids, Mich
Stokes Molded Products, Trenton 4, N J

PAILS, METAL

American Can Co, 100 Park Ave, N Y 17
S Blickman, 3100 Gregory Ave, Weehawken, N J
Continental Can Co, 100 E 42 St, N Y 17
Crown Can Co, H St & Erie Ave, Phila, Pa
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Geuder Paeschke & Frey Co, 303 N 15 St, Milwaukee 3, Wis
Glasco Equipment Corp, 6 Walt St, Paterson 4, N J
Inland Steel Container Co, P O Box 902, Milwaukee 1, Wis
Metal Products Corp, 50 W 19 St, Weehawken, N J
Niles Steel Products Div, 465 Walnut St, Niles, Ohio
Ohio Corrugating Co, Warren, Ohio
Rheem Mfg Co, 570 Lexington Ave, N Y 22
U S Steel Products Co, 30 Rockefeller Plaza, N Y 20
Virginia Barrel Co, Box 86 Mariners Harbor Sta, Staten Island, N Y
Witt Cornice Co, 2118 Winchell Ave, Cincinnati, Ohio

PANS, CRYSTALLIZING

Acme Coppersmithing & Mach Co, Oreland, Pa
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Edgemoor Iron Works, Edgemoor, Del
Glasco Equipment Corp, 6 Walt St, Paterson 4, N J
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Lukens Steel Co, 1949 Gillen St, Coatesville, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col

PANS, MIXING

Acme Coppersmithing & Mach Co, Oreland, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Edgemoor Iron Works, Edgemoor, Del
Fairstrom Co, 9 Fairstrom Court, Passaic, N J
Glasco Equipment Corp, 6 Walt St, Paterson 4, N J
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Intentional Engrg, Dayton 1, Ohio
Metal Products Corp, 50 W 19 St, Weehawken, N J
New England Tank & Tower Co, Everett, Mass
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio

PANS, STEAM-JACKETED

Acme Coppersmithing & Mach Co, Oreland, Pa
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
S Blickman, 3100 Gregory Ave, Weehawken, N J
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Edgemoor Iron Works, Edgemoor, Del
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa

PANS, VACUUM

Acme Coppersmithing & Mach Co, Oreland, Pa
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Goslin-Birmingham Mfg Co, Box 631 Birmingham, Ala
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
Whiting Corp, Swenson Evaporator Div, Harvey, Ill

PAPER, INSULATING

Gen Elec Co, Pittsfield, Mass
Hollingsworth & Whitney Co, 60 Batterymarch St, Boston, Mass
Irvington Varnish & Insulator Co, 6 Argyle Terrace, Irvington 11, N J
Keasbey & Mattison Co, Butler Ave, Ambler, Pa
Presstite Engrg Co, 3900 Chouteau, St Louis 10, Mo
Reynolds Metals Co, 2500 S 3 St, Louisville 1, Ky
Ruberoid Co, 500 5 Ave, N Y 18

PASTEURIZERS

Cherry-Burrell Corp, 427 W Randolph St, Chicago 6, Ill
Island Equipment Corp, 27-01 Bridge Plaza N, L I C 1, N Y

PERCOLATORS

Acme Coppersmithing & Mach Co, Oreland, Pa
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Metal Glass Products Co, Belding, Mich
Pfaudler Co, 1000 W Ave, Rochester 3, N Y

pH COLORIMETER

Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Macbeth Corp, P O Box 950, Newburgh, N Y
Photovolt Corp, 95 Madison Ave, N Y
W A Taylor & Co, 7300 York Rd, Baltimore 4, Md
Arthur H Thomas Co, 230 S 7 St, Phila, Pa
Wallace & Tiernan, 1 Main St, Belleville, N J
Wilkens-Anderson Co, 4525 W Div St, Chicago 51, Ill
Will Corp, Rochester 3, N Y

pH CONTROL APPARATUS

Bristol Co, Platts Mills, Waterbury, Conn
Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Infilco Inc, Box 5033 Tucson, Ariz
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Lapp Insulator Co, Le Roy, N Y
Macbeth Corp, P O Box 950, Newburgh, N Y
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Permutit Co, 330 W 42 St, N Y 18
Milton Roy Co, 1382 E Mermaid Lane, Phila 18, Pa
W A Taylor & Co, 7300 York Rd, Baltimore 4, Md
Arthur H Thomas Co, 230 S 7 St, Phila, Pa
Wallace & Tiernan, 1 Main St, Belleville, N J
Wilkens-Anderson Co, 4525 W Div St, Chicago 51, Ill
Will Corp, Rochester 3, N Y

pH MEASURING AND RECORDING INSTRUMENTS

Beckman Instruments, 820 Mission St, S Pasadena, Cal
Bristol Co, Platts Mills, Waterbury, Conn
Coleman Instruments, 318 Madison Ave, Maywood, Ill
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Hanson-Van Winkle-Munning Co, Matawan, N J
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
North American Philips Co, 750 S Fulton Ave, Mt Vernon, N Y
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Arthur H Thomas Co, 230 S 7 St, Phila, Pa
Weston Elect Corp, 614 Frelinghuysen Ave, Newark 5, N J
Wilkens-Anderson Co, 4525 W Div St, Chicago 51, Ill
Will Corp, Rochester 3, N Y



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PHOTOMETERS

American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Perkin-Elmer Corp, Norwalk, Conn
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Photovolt Corp, 95 Madison Ave, N Y
Wilkens-Anderson Co, 4525 W Division St, Chicago 51, Ill
Will Corp, Rochester 3, N Y

PHOTOMETERS, LIGHT TRANSMISSION

American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
Coleman Instruments, 318 Madison Ave, Maywood, Ill
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Gen Elec Co, Schenectady 5, N Y
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Photovolt Corp, 95 Madison Ave, N Y
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
Wilkens-Anderson Co, 4525 W Division St, Chicago 51, Ill
Will Corp, Rochester 3, N Y

PHOTOMICROGRAPHIC EQUIPMENT

Bausch & Lomb Optical Co, 635 St Paul St, Rochester 2, N Y
E Leitz, 304 Hudson St, N Y 13
Photovolt Corp, 95 Madison Ave, N Y
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill

PILL MACHINERY

H W North Co, E 13 & Parade Sts, Erie, Pa
Read Standard Corp, York, Pa
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa

PIPE, ALUMINUM BRONZE

American Brass Co, Waterbury 20, Conn
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Calumet & Hecla Consolidated Copper Co, 1850 Guardian Bldg, Detroit 26, Mich
Colonial Alloys Co, Ridge Ave & Crawford St, Phila 29, Pa
Revere Copper & Brass, 230 Park Ave, N Y 17
Reynolds Metals Co, 2500 S 3 St, Louisville 1, Ky
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio

PIPE, ASBESTOS CEMENT

Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Keasbey & Mattison Co, Butler Ave, Ambler, Pa

PIPE, BELL AND SPIGOT

James B Clow & Sons, 201-299 N Talman Ave, Chicago 80, Ill
Lynchburg Foundry Co, Lynchburg, Va
Pacific Clay Products, 305 W Ave 25, Los Angeles 31, Cal
U S Stoneware Co, 60 E 42 St, N Y

PIPE, CLAY, VITRIFIED

Pacific Clay Products, 305 W Ave 25, Los Angeles 31, Cal
U S Stoneware Co, 60 E 42 St, N Y

PIPE, COPPER

American Brass Co, Waterbury 20, Conn
Calumet & Hecla Consolidated Copper Co, 1850 Guardian Bldg, Dertoit 26, Mich
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Revere Copper & Brass, 230 Park Ave, N Y 17

PIPING, CORROSION RESISTING

Allegheny Ludlum Steel Corp, 2020 Oliver Bldg, Pittsburgh 22, Pa
American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
American Brass Co, Waterbury 20, Conn
American Hard Rubber Co, 11 Mercer St, N Y 13
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Atlas Mineral Products Co, Mertztown, Pa
Babcock & Wilcox Tube Co, Beaver Falls, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
Calumet & Hecla Consolidated Copper Co, 1850 Guardian Bldg, Detroit 26, Mich
Carlon Products Corp, 10225 Meech Ave, Cleveland 5, Ohio
Carpenter Steel Co, Springfield Rd, Union, N J
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Corning Glass Works, Corning, N Y
Duraloy Co, Scottdale, Pa
Duriron Co, 450 N Finley St, Dayton 1, Ohio
Eagle-Picher Co, American Bldg, Cincinnati 1, Ohio
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Falls Industries, Aurora Rd, Solon, Ohio
Galigher Co, 921 Bergen St, Jersey City 6, N J
Gates Engrg Co, Box 1711, Wilmington, Del
Glascote Products, 20900 St Clair Ave, Cleveland 17, Ohio
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Haynes Stellite Co, 30 E 42 St, N Y 17
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
International Nickel Co, 67 Wall St, N Y 5
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
Lapp Insulator Co, Le Roy, N Y
Lead Lined Iron Pipe Co, Wakefield, Mass
Luzerne Rubber Co, Trenton 7, N J
Mich Pipe Co, Bay City, Mich
Midwest Piping & Supply Co, 1450 S 2 St, St Louis 4, Mo
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
A B Murray Co, 649 Green Lane, Elizabeth N J
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Horace T Potts Co, Erie Ave & D St, Phila, Pa
Pressed Steel Co, 705 N Pennsylvania Ave, Wilkes-Barre, Pa

PIPING, CORROSION RESISTING, continued

Republic Steel Corp, 224 E 131 St, Cleveland 8, Ohio
Resisto Pipe & Valve Co, 258 Bridge St, E Cambridge, Mass
Resistoflex Corp, 37 Plansoen St, Belleville 9, N J
Reynolds Metals Co, 2500 S 3 St, Louisville 1, Ky
Schnitzer Alloy Products Co, 631 Pine St, Elizabeth, N J
U S Plywood Corp, 55 W 44 St, N Y 18
U S Stoneware Co, 60 E 42 St, N Y
Wiley Alloy Tube Co, 600 W 138 St, Riverdale, Ill

PIPE COVERING, MAGNESIA

Mundet Cork Corp, 7101 Tonnelle Ave, N Bergen, N J

PIPE, FITTINGS, ALLOY STEEL

Bonney Forge & Tool Works, Durham & Meadow Sts, Allentown, Pa
Camco Products, 25 Fox St, New Haven, Conn
Chiksan Co, Brea, Cal
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Frick Co, Waynesboro, Pa
Gen Alloys Co, 405 W 1 St, Boston, Mass
Key Co, 2701 McCasland, E St Louis, Ill
Ladish Co, Cudahy, Wis
A B Murray Co, 649 Green Lane, Elizabeth, N J
Ohio Steel Foundry Co, Fittings Div, W 4 St, Lima, Ohio
Taylor Forge & Pipe Works, P O Box 485, Chicago 90, Ill
Wiley Alloy Tube Co, 600 W 138 St, Riverdale, Ill
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

PIPE, FITTINGS, LEAD LINED-FORGED STEEL

Lead Lined Iron Pipe Co, Wakefield, Mass

PIPE, FITTINGS FORGED STEEL

Bonney Forge & Tool Works, Durham & Meadow Sts, Allentown, Pa
Chiksan Co, Brea, Cal
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Ladish Co, Cudahy, Wis
Lead Lined Iron Pipe Co, Wakefield, Mass
A B Murray Co, 649 Green Lane, Elizabeth, N J
Taylor Forge & Pipe Works, P O Box 485, Chicago 90, Ill
Viter Mfg Co, 2117 S 1 St, Milwaukee 7, Wis
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
Walworth Co, 60 E 42 St, N Y 17
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

PIPE FITTINGS, IRON

Kuhns Bros, 11 W Monument Bldg, Dayton 2, Ohio

PIPE, FLANGED

American Hard Rubber Co, 11 Mercer St, N Y 13
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
James B Clow & Sons, 201-299 N Talman Ave, Chicago 80, Ill
Lead Lined Iron Pipe Co, Wakefield, Mass
Lynchburg Foundry Co, Lynchburg, Va
Midwest Piping & Supply Co, 1450 S 2 St, St Louis 4, Mo
A B Murray Co, 649 Green Lane, Elizabeth, N J
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
U S Pipe & Foundry Co, Pearl St, Burlington, N J

PIPE, GLASS

Corning Glass Works, Corning, N Y
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Sentinel Glass Co, Box 58, Hatboro, Pa

PIPE, HARD RUBBER

American Hard Rubber Co, 11 Mercer St, N Y 13
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Enthone Inc, 442 Elm St, New Haven, Conn
Hewitt-Robins, Hewitt Rubber Div, 240 Kensington Ave, Buffalo 5, N Y
Luzerne Rubber Co, Trenton 7, N J
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Raybestos-Manhattan, 61 Willet St, Passaic, N J
Stokes Molded Products, Trenton 4, N J

PIPE, HEAT RESISTING

American Brake Shoe Co, Elyria, Ohio
Babcock & Wilcox Tube Co, Beaver Falls, Pa
Carpenter Steel Co, Springfield Rd, Union, N J
Corning Glass Works, Corning, N Y
Duraloy Co, Scottdale, Pa
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Gen Alloys Co, 405 W 1 St, Boston, Mass
Haynes Stellite Co, 30 E 42 St, N Y 17
A B Murray Co, 649 Green Lane, Elizabeth, N J
Sentinel Glass Co, Box 58, Hatboro, Pa

PIPE, LEAD

Eagle-Picher Co, American Bldg, Cincinnati 1, Ohio
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Republic Metals Co, 273 Green St, Bklyn, N Y

PIPE, PLASTIC

American Hard Rubber Co, 11 Mercer St, N Y 13
Atlas Mineral Products Co, Mertztown, Pa
Carlon Products Corp, 10225 Meech Ave, Cleveland 5, Ohio
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
Irvington Varnish & Insulator Co, 6 Argyle Terrace, Irvington 11, N J
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
National Molded Piping Distrbutors, 387 W Side Ave, Jersey City 4, N J
Presstite Engrg Co, 3900 Chouteau, St Louis 10, Mo
Resistoflex Corp, 37 Plansoen St, Belleville 9, N J
U S Rubber Co, 1230 6 Ave, N Y 20
U S Stoneware Co, 60 E 42 St, N Y

PIPE, PORCELAIN

Illinois Elec Porcelain Co, Box 272, Macomb, Ill
Lapp Insulator Co, Le Roy, N Y
Seaporcel Metals, Borden Ave & Dutchkills, L I C, N Y
U S Stoneware Co, 60 E 42 St, N Y

PIPE, RUBBER LINED

American Hard Rubber Co, 11 Mercer St, N Y 13
Atlas Mineral Products Co, Mertztown, Pa
Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
Beike Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Enthone Inc, 442 Elm St, New Haven, Conn
Gallagher Co, 545 W 8 South St, Salt Lake City 4, Utah
Gates Engrg Co, Box 1711, Wilmington, Del
Gates Rubber Co, 999 S Broadway, Denver 17, Col
Goodall Rubber Co, 400 Whitehead Rd, Trenton 4, N J
Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
Industrial Filter & Pump Mfg Co, 5900 Ogden Ave, Chicago 50, Ill
Luzerne Rubber Co, Trenton 7, N J
Mich Pipe Co, Bay City, Mich
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Pioneer Rubber Mills, 353 Sacramento St, San Francisco 11, Cal
Raybestos-Manhattan, 61 Willet St, Passaic N J
U S Rubber Co, 1230 6 Ave, N Y 20

PIPE, STAINLESS STEEL

Acme Coppersmithing & Mach Co, Oreland, Pa
Allegheny Ludlum Steel Corp, 2020 Oliver Bldg, Pittsburgh 22, Pa
Babcock & Wilcox Tube Co, Beaver Falls, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
Carpenter Steel Co, 101 Bern St, Reading, Pa

PIPE, STAINLESS STEEL, continued

Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
Duraloy Co, Scottdale, Pa
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Gen Alloys Co, 405 W 1 St, Boston, Mass
Industrial Engrs, 8 Lister Ave, Newark 5, N J
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
A B Murray Co, 649 Green Lane, Elizabeth, N J
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Horace T Potts Co, Erie Ave & D St, Phila, Pa
Pressed Steel Co, 705 N Pennsylvania Ave, Wilkes-Barre, Pa
Republic Steel Corp, 224 E 131 St, Cleveland 8, Ohio
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
Schnitzer Alloy Products Co, 631 Pine St, Elizabeth, N J
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
M H Treadwell Co, 140 Cedar St, N Y 6
U S Steel Supply Co, 208 LaSalle St, Chicago 4, Ill
Wiley Alloy Tube Co, 600 W 138 St, Riverdale, Ill

PIPE, STEEL

Acme Industries, 618 N Mechanic St, Jackson, Mich
Armco Steel Corp, 703 Curtis St, Middletown, Ohio
Babcock & Wilcox Tube Co, Beaver Falls, Pa
Bethlehem Steel Co, Bethlehem, Pa
Carpenter Steel Co, Springfield Rd, Union, N J
Colorado Fuel & Iron Corp, P O Box 1920, Denver 1, Col
International Selling Corp, 70 Pine St, N Y
A B Murray Co, 649 Green Lane, Elizabeth, N J
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Taylor Forge & Pipe Works, P O Box 485, Chicago 90, Ill
M H Treadwell Co, 140 Cedar St, N Y 6
U S Steel Supply Co, 208 LaSalle St, Chicago 4, Ill
Vilter Mfg Co, 2117 S 1 St, Milwaukee 7, Wis
Wheeling Steel Corp, Wheeling, W Va

PIPE, STONEWARE

Enthone Inc, 442 Elm St, New Haven, Conn
U S Stoneware Co, 60 E 42 St, N Y

PIPETTES, AUTOMATIC

Emil Greiner Co, 20-26 N Moore St, N Y 13
H S Martin & Co, 1916 Greenleaf Ave, Evanston, Ill
Scientific Glass Apparatus Co, Bloomfield, N J
Wilkens-Anderson Co, 4525 W Division St, Chicago 51, Ill
Will Corp, Rochester 3, N Y

PIPING, PRE-FABRICATED

Acme Coppersmithing & Mach Co, Oreland, Pa
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
Calumet & Hecla Consolidated Copper Co, 1850 Guardian Bldg, Detroit 26, Mich
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
James B Clow & Sons, 201-299 N Talman Ave, Chicago 80, Ill
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Flori Pipe Co, 629 E Red Bud Ave, St Louis 15, Mo
Frick Co, Waynesboro, Pa
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Mich Pipe Co, Bay City, Mich
Midwest Piping & Supply Co, 1450 S 2 St, St Louis 4, Mo
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
A B Murray Co, 649 Green Lane, Elizabeth, N J
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Sentinel Glass Co, Box 58, Hatboro, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Vilter Mfg Co, 2117 S 1 St, Milwaukee 7, Wis
Wallace Supplies Mfg Co, 1300-1312 Diversey Pkwy, Chicago 14, Ill

PLANT EQUIPMENT, GENERAL

Allied Steel & Equipment Co, Dept N, Chester, N J
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Blaw-Knox Co, Blawnox, Pa
Denver Equipment Co, 1400 17 St, Denver 17, Col
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Falstrom Co, 9 Falstrom Court, Passaic, N J
Foster-Wheeler Corp, 165 Broadway, N Y 6
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Selling Corp, 70 Pine St, N Y
Mercer-Robinson Co, 32 Church St, N Y 7
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa

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PLANT EQUIPMENT, GENERAL, continued

Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
H W North Co, E 13 & Parade Sts, Erie, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Sorensen & Co, 375 Fairfield Ave, Stamford, Conn
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal
M H Treadwell Co, 140 Cedar St, N Y 6
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio

PLANTS, ABSORPTION, HYDROCHLORIC ACID

Acme Coppersmithing & Mach Co, Oreland, Pa
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Electrochem Construction Co, 18 E 41 St, N Y 17
Falls Industries, Aurora Rd, Solon, Ohio
Foster-Wheeler Corp, 165 Broadway, N Y 6
J F Pritchard & Co, 908 Grand Ave, Kansas City 6, Mo
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
U S Stoneware Co, 60 E 42 St, N Y

PLANTS, ACID RECOVERY AND CONCENTRATION

Acme Coppersmithing & Mach Co, Oreland, Pa
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Chem Construction Corp, 488 Madison Ave, N Y 20
Electrochem Construction Co, 18 E 41 St, N Y 17
Falls Industries, Aurora Rd, Solon, Ohio
Foster-Wheeler Corp, 165 Broadway, N Y 6
Ozark-Mahoning Co, 310 W 6 St, Tulsa, Okla
J F Pritchard & Co, 908 Grand Ave, Kansas City 6, Mo
U S Stoneware Co, 60 E 42 St, N Y

PLANTS, BENZOL RECOVERY

Acme Coppersmithing & Mach Co, Oreland, Pa
E B Badger & Sons Co, 75 Pitts St, Boston 14, Mass
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Penberthy Injector Co, 1224 Holden Ave, Detroit 2, Mich
J F Pritchard & Co, 908 Grand Ave, Kansas City 6, Mo

PLANTS, CAUSTIC SODA

Acme Coppersmithing & Mach Co, Oreland, Pa
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Dorr Co, Barry Pl, Stamford, Conn
Electrochem Construction Co, 18 E 41 St, N Y 17
J F Pritchard & Co, 908 Grand Aave, Kansas City 6, Mo

PLANTS, CHLORINE

Acme Coppersmithing & Mach Co, Oreland, Pa
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Electrochem Construction Co, 18 E 41 St, N Y 17
J F Pritchard & Co, 908 Grand Ave, Kansas City 6, Mo

PLANTS, DESIGN & CONSTRUCTION

Acme Coppersmithing & Mach Co, Oreland, Pa
E B Badger & Sons Co, 90 Broad St, N Y 4
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Chem Construction Corp, 488 Madison Ave, N Y 20
Denver Equipment Co, 1400 17 St, Denver 17, Col
Dorr Co, Barry Pl, Stamford, Conn
Electrochem Construction Co, 18 E 41 St, N Y 17
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gasoline Plant Construction Corp, Neils Esperson Bldg, Houston 2, Tex
Girdler Corp, 224 E Broadway, Louisville 1, Ky
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Sealing Corp, 70 Pine St, N Y
Arthur D Little, Cambridge 42, Mass
F H McGraw & Co, 51 E 42 St, N Y
E F Marsh Engrg Co, 4324 W Clayton St, St Louis 10, Mo
Mercer-Robinson Co, 30 Church St, N Y 7
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
J F Pritchard & Co, 908 Grand Ave, Kansas City 6, Mo
Sentinel Glass Co, Box 58, Hatboro, Pa
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Sterling Inc, 3738 N Holton St, Milwaukee 12, Wis
M H Treadwell Co, 140 Cedar St, N Y 6
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Wigton-Abbott Corp, 45 Academy St, Newark 2, N J
Wurster & Sanger, 5201 S Kenwood Ave, Chicago 15, Ill

PLANTS, FERTILIZER

Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Chem Construction Corp, 488 Madison Ave, N Y 20
Dorr Co, Barry Pl, Stamford, Conn
J F Pritchard & Co, 908 Grand Ave, Kansas City 6, Mo
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass

PLANTS, GLYCERINE RECOVERY

Acme Coppersmithing & Mach Co, Oreland, Pa
E B Badger & Sons Co, 90 Broad St, N Y 4
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Foster-Wheeler Corp, 165 Broadway, N Y 6
Illinois Water Treatment Co, 858 Cedar St, Rockford, Ill
J F Pritchard & Co, 908 Grand Ave, Kansas City 6, Mo
Wurster & Sanger, 5201 S Kenwood Ave, Chicago 15, Ill

PLANTS, HYDROCHLORIC ACID

Acme Coppersmithing & Mach Co, Oreland, Pa
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Chem Construction Corp, 488 Madison Ave, N Y 20
Electrochem Construction Co, 18 E 41 St, N Y 17
Falls Industries, Aurora Rd, Solon, Ohio
Foster-Wheeler Corp, 165 Broadway, N Y 6
J F Pritchard & Co, 908 Grand Ave, Kansas City 6, Mo

PLANTS, NITRIC ACID

Acme Coppersmithing & Mach Co, Oreland, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Chem Construction Corp, 488 Madison Ave, N Y 20
J F Pritchard & Co, 908 Grand Ave, Kansas City 6, Mo

PLANTS, ORE CONCENTRATION

Denver Equipment Co, 1400 17 St, Denver 17, Col
Galigher Co, 921 Bergen St, Jersey City 6, N J
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
Mine & Smelter Supply Co, 1322 17 St, Denver 17, Col
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Stearns-Roger Mfg o, 1720 California St, Denver 2, Col
Traylor Engrg & Mfg Co, Allentown, Pa
M H Treadwell Co, 140 Cedar St, N Y 6

PLANTS, PILOT

Acme Coppersmithing & Mach Co, Oreland, Pa
American Copper & Brass Works, 610 E Front St, Cincinnati 2, Ohio

PLANTS, PILOT, continued

American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
Denver Equipment Co, 1400 17 St, Denver 17, Col
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gasoline Plant Construction Corp, Neils Esperson Bldg, Houston 2, Tex
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Arthur D Little, Cambridge 42, Mass
Lummus Co, 385 Madison Ave, N Y 17
Mine & Smelter Supply Co, 1322 17 St, Denver 17, Colo
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
Ozark-Mahoning Co, 310 W 6 St, Tulsa, Okla
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio

PLANTS, POWER (STEAM)

Combustion Engrg-Superheater, 200 Madison Ave, N Y 16
Foster-Wheeler Corp, 165 Broadway, N Y 6
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
J F Pritchard & Co, 908 Grand Ave, Kansas City 6, Mo
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
M H Treadwell Co, 140 Cedar St, N Y 6
Union Iron Works, 15 & Cascade Sts, Erie, Pa

PLANTS, SOLVENT EXTRACTION

Acme Coppersmithing & Mach Co, Oreland, Pa
Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
E B Badger & Sons Co, 75 Pitts St, Boston 14, Mass
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Foster-Wheeler Corp, 165 Broadway, N Y 6
Lummus Co, 385 Madison Ave, N Y 17
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
J F Pritchard & Co, 908 Grand Ave, Kansas City 6, Mo
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Wurster & Sanger, 5201 S Kenwood Ave, Chicago 15, Ill
Otto H York Co, 69 Glenwood Pl, E Orange, N J

PLANTS, SULFURIC ACID

Acme Coppersmithing & Mach Co, Oreland, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Chem Construction Corp, 488 Madison Ave, N Y 20
Foster-Wheeler Corp, 165 Broadway, N Y 6
Koppers Co, Koppers Blvd, Pittsburgh 19, Pa
J F Pritchard & Co, 908 Grand Ave, Kansas City 6, Mo

PLANTS, WATER CONDITIONING

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Dorr Co, Barry Pl, Stamford, Conn
Elgin Softener Corp, Elgin, Ill
Foster-Wheeler Corp, 165 Broadway, N Y 6
Griscom-Russell Co, Massillon, Ohio
Illinois Water Treatment Co, 858 Cedar St, Rockford, Ill
Infilco Inc, Box 5033, Tucson, Ariz
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
Permutit Co, 330 W 42 St, N Y 18
J F Pritchard & Co, 908 Grand Ave, Kansas City 6, Mo
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col

PLASTIC MOLDED PARTS

American Hard Rubber Co, 11 Mercer St, N Y 13
Apex Elec Mfg Co, 7424 Bessemer Ave, Cleveland 27, Ohio
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Continental Can Co, 100 E 42 St, N Y 17
Gen American Transportation Corp, Field Bldg, Chicago 90, Ill
Gen Elec Co, 1 Plastics Ave, Pittsfield, Mass
G B Lewis Co, 426 Montgomery St, Watertown, Wis
Owens-Illinois Glass Co, Ohio Bank Bldg, Toledo 1, Ohio
Plax Corp, 450 Asylum St, Hartford 1, Conn
Resistoflex Corp, 37 Plansoen St, Belleville 9, N J
U S Gasket Co, 610 N 20 St, Camden, N J
U S Rubber Co, 1230 6 Ave, N Y 20

PLATING EQUIPMENT

Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
Belke Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
Distillation Products Industries, Rochester 3, N Y
Enthone Inc, 442 Elm St, New Haven, Conn
Hanson-Van Winkle-Munning Co, Matawan, N J
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
Metal Products Corp, 50 W 19 St, Weehawken, N J
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Munning & Munning, 202 Emmett St, Newark, N J
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
United Chromium, 100 E 42 St, N Y 17
U S Stoneware Co, 60 E 42 St, N Y

PLATINUM LABORATORY WARE

American Platinum Works, 231 N J Ave, Newark 5, N J
Homer Mfg Corp, 142 E Pearl St, Lima, Ohio
Will Corp, Rochester 3, N Y

PLUGS FOR STEEL DRUMS

American Flange & Mfg Co, 30 Rockefeller Plaza, N Y 20
Ohio Corrugating Co, Warren, Ohio

PNEUMATIC DESPATCH SYSTEMS

Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
Lamson Corp, Lamson St, Syracuse 1, N Y
Standard Conveyor Co, 315 N W 2 Ave, N St Paul 9, Minn

PONDS, SPRAY

Acme Coppersmithing & Mach Co, Oreland, Pa
Binks Mfg Co, 3114-40 Carroll Ave, Chicago 12, Ill
Lilie-Hoffman Cooling Towers, 4239 Duncan Ave, St Louis 10, Mo
J F Pritchard & Co, 908 Grand Ave, Kansas City 6, Mo
Spray Engrg Co, 114 Central St, Somerville 45, Mass
Spraying Systems Co, 3274 Randolph St, Bellwood, Ill

PORCELAIN, ACID PROOF

Illinois Elec Porcelain Co, Box 272, Macomb, Ill
Lapp Insulator Co, Le Roy, N Y
Seaporcel Metals, Borden Ave & Dutchkills, L I C, N Y
U S Stoneware Co, 60 E 42 St, N Y

PORCELAIN, LINING AND BALLS

J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Gen Elec Co, Pittsfield, Mass
Illinois Elec Porcelain Co, Box 272, Macomb, Ill
International Engrg, Dayton 1, Ohio
Locke Dept, Gen Elec Co, P O Box 57, Baltimore, Md
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
George D Rodgers Co, 2401 3 Ave, N Y 51
U S Stoneware Co, 60 E 42 St, N Y

PORCELAIN WARE

Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Enthone Inc, 442 Elm St, New Haven, Conn
Illinois Elec Porcelain Co, Box 272, Macomb, Ill
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Lapp Insulator Co, Le Roy, N Y
U S Stoneware Co, 60 E 42 St, N Y
Will Corp, Rochester 3, N Y

POTENTIOMETERS

Bristol Co, Platts Mills, Waterbury, Conn
Gen Elec Co, Schenectady 5, N Y
Leeds & Northrup Co, 4970 Stenton Ave, Phila 44, Pa
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Rubicon Co, Ridge Ave at 35 St, Phila 32, Pa
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
Wheelco Instruments Co, 847 W Harrison St, Chicago 7, Ill
Will Corp, Rochester 3, N Y

POTENTIOMETERS, DEW-POINT

Gen Elec Co, Schenectady 5, N Y
Will Corp, Rochester 3, N Y

POTS, HEATED (electrically)

Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Gen Elec Co, Schenectady 5, N Y
Hevi Duty Elec Co, 4212 Highland Blvd, Milwaukee, Wis
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Trent Inc, 4585 Wilde St, Phila 27, Pa
Union Iron Works, 15 & Cascade Sts, Erie, Pa
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa

POTS, MELTING

Acme Coppersmithing & Mach Co, Oreland, Pa
American Brake Shoe Co, 230 Park Ave, N Y 17
American Car & Foundry Co, 30 Church St, N Y
Blaw-Knox Co, Blawnox, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Gen Elec Co, Schenectady 5, N Y
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Hevi Duty Elec Co, 4212 Highland Blvd, Milwaukee, Wis
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Insto Gas Corp, 1977 E Woodbridge, Detroit 7, Mich
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Lukens Steel Co, 1949 Gillen St, Coatesville, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pressed Steel Co, 705 N Pennsylvania Ave, Wilkes-Barre, Pa
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
Union Iron Works, 15 & Cascade Sts, Erie, Pa
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa

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122 South Michigan Ave., Chicago 3, Ill.
Plant—Boundbrook, N. J.

POTS, MIXING

Acme Coppersmithing & Mach Co, Oreland, Pa
American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Edgemoor Iron Works, Edgemoor, Del
Glasco Equipment Corp, 6 Wait St, Paterson 4, N J
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Lukens Steel Co, 1949 Gillen St, Coatesville, Pa
Metal Glass Products Co, Belding, Mich
Metal Products Corp, 50 W 19 St, Weehawken, N J
H W North Co, E 13 & Parade Sts, Erie, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfahler-Cleland Co, 820 Harding Way, W Galion, Ohio
Charles Ross & Son Co, 148 Classon Ave, Bklyn, N Y
M H Treadwell Co, 140 Cedar St, N Y 6
Union Iron Works, 15 & Cascade Sts, Erie, Pa

POTS, NITRATING

Acme Coppersmithing & Mach Co, Oreland, Pa
Blaw-Knox Co, Blawnox, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa

POWER HOUSE EQUIPMENT

American Blower Corp, 8111 Tireman St, Detroit 32, Mich
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Combustion Engrg-Superheater, 200 Madison Ave, N Y 16
Cooper-Bessemer Corp, F O Box 751, Mt Vernon, Ohio
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Elec Machy Mfg Co, 1331 N E Tyler St, Minneapolis 13, Minn
Elliott Co, 400 N 4 St, Jeannette, Pa
Ess Instrument Co, 96 S Washington Ave, Bergenfield, N J
Foster-Wheeler Corp, 165 Broadway, N Y 6
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 E Ave S, Seattle 4, Wash
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Sorensen & Co, 375 Fairfield Ave, Stamford, Conn
C E Squires Co, 18302 Syracuse Ave, Cleveland, Ohio
Union Chain & Mfg Co, 1936 Emmens St, Sandusky, Ohio
Whiton Mach Co, 190 Howard St, New London, Conn

POWER TRANSMISSION MACHINERY

American Blower Corp, 8111 Tireman St, Detroit 32, Mich
G O Bartlett & Snow Co, 200 Harvard Ave, Cleveland 5, Ohio
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Elec Machy Mfg Co, 1331 N E Tyler St, Minneapolis 13, Minn
Falk Corp, 3100 W Canal St, Milwaukee 8, Wis
Foote Bros Gear & Mach Co, 4545 S Western Blvd, Chicago 9, Ill
Great Western Mfg Co, Leavenworth, Kan
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Lima Elec Co, Findlay Rd, Lima, Ohio
Link-Belt Co, 3405 E Ave S, Seattle 4, Wash
E F Marsh Engrg Co, 4324 W Clayton St, St Louis 10, Mo
Morse Chain Co, 7601 Central St, Detroit 8, Mich
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
Stearns Magnetic Mfg Co, 672 S 28 St, Milwaukee 46, Wis
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Webster Mfg Co, Tiffin, Ohio
Western Gear Works, 417 9 Ave S, Seattle 4, Wash

POWER UNITS, HYDRAULIC

Hannifin Corp, 1138 S Kilbourn Ave, Chicago 24, Ill

PRECIPATORS, ELECTRIC

Beta Elec Corp, 333 E 103 St, N Y 29
Buell Engrg Co, 70 Pine St, N Y 5
Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Permutit Co, 330 W 42 St, N Y 18
Research Corp, 405 Lexington Ave, N Y 17
Western Precipitation Corp, 1030 W 9 St, Los Angeles 15, Cal
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa

PECIPITATORS, ELECTRONIC

Research Corp, 405 Lexington Ave, N Y 17

PREHEATERS

Acme Coppersmithing & Mach Co, Oreland, Pa
American District Steam Co, 380 Bryant St, N Tonawanda, N Y
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Bell & Gossett Co, Morton Grove, Ill
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Chicago Stainless Equipment Co, 5001 Elston Ave, Chicago 30, Ill
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
J E Doyle Co, 1220 W 6 St, Cleveland 13, Ohio
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Enthone Inc, 442 Elm St, New Haven, Conn
Griscom-Russell Co, Massillon, Ohio
Lummus Co, 385 Madison Ave, N Y 17
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Trane Co, 300 Cameron Ave, La Crosse, Wis
Trent Inc, 4585 Wilde St, Phila 27, Pa
Union Iron Works, 15 & Cascade Sts, Erie, Pa
U S Hoffman Mach Co, 219 Lamson St, Syracuse 6, N Y
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

PREHEATERS, AIR

Air Devices, 17 E 42 St, N Y 17
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Babcock & Wilcox, 85 Liberty St, N Y 6
Comaustion Engrg-Superheater, 200 Madison Ave, N Y 16
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Foster-Wheeler Corp, 165 Broadway, N Y 6
Green Fuel Economizer Co, Beacon, N Y
Griscom-Russell Co, Massillon, Ohio
Lummus Co, 385 Madison Ave, N Y 17
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
J O Ross Engrg Corp, 444 Madison Ave, N Y 22
Trane Co, 300 Cameron Ave, La Crosse, Wis
Union Iron Works, 15 & Cascade Sts, Erie, Pa
U S Plywood Corp, 55 W 44 St, N Y 18
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa
York Corp, Roosevelt & P R R, York, Pa

PRESSES, BRIQUETTING

A B Farquhar Corp, 142 N Duke St, York, Pa
Hydraulic Press Mfg Co, 3006 Marion Rd, Mt Gilead, Ohio
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Vulcan Iron Works, 1730 Main St, Wilkes-Barre, Pa

PRESSES, DEWATERING

Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Jackson & Church Co, 321 W Hamilton St, Saginaw, Mich

PRESSES, DRAWING

Denison Engrg Co, 1160 Dublin Rd, Columbus 16, Ohio
A B Farquhar Corp, 142 N Duke St, York, Pa
Hydraulic Press Mfg Co, 3006 Marion Rd, Mt Gilead, Ohio

PRESSES, EXTRUDING

Bonnot Co, Canton 2, Ohio
A B Farquhar Corp, 142 N Duke St, York, Pa

PRESSES, FILTER

Bethlehem Steel Co, Bethlehem, Pa
Bowser Inc, 1307 E Creighton Ave, Fort Wayne, Ind
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Galigher Co, 545 W 8 South St, Salt Lake City 4, Utah
Hanson-Van Winkle-Munning Co, Matawan, N J
Independent Filter Press Co, 240 48 St, Bklyn 20, N Y
International Engrg, Dayton 1, Ohio
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
T Shriver & Co, 874 Hamilton St, Harrison, N J
D R Sperry & Co, Batavia, Ill
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
Will Corp, Rochester 3, N Y

PRESSES, HYDRAULIC

Bethlehem Steel Co, Bethlehem, Pa
Denison Engrg Co, 1160 Dublin Rd, Columbus 16, Ohio
Emmett Mach & Mfg, 2249 14 St, S W, Akron 14, Ohio
A B Farquhar Corp, 142 N Duke St, York, Pa
Hannifin Corp, 1138 S Kilbourn Ave, Chicago 24, Ill
Hydraulic Press Mfg Co, 3006 Marion Rd, Mt Gilead, Ohio
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Struthers Wells Corp, S Franklin St, Titusville, Pa

PRESSES, LABORATORY

Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Parr Instrument Co, 211 53 St, Moline, Ill
Will Corp, Rochester 3, N Y

PRESSES, MOLDING

Bethlehem Steel Co, Bethlehem, Pa
Denison Engrg Co, 1160 Dublin Rd, Columbus 16, Ohio
Hannifin Corp, 1138 S Kilbourn Ave, Chicago 24, Ill
Hydraulic Press Mfg Co, 3006 Marion Rd, Mt Gilead, Ohio
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa

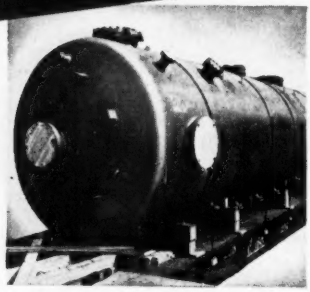
PRESSES, TABLET MAKING

Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa

PRESSURE VESSELS

Acme Coppersmithing & Mach Co, Oreland, Pa
Alloy Products Co, 1045 Perkins Ave, Waukesha, Wis
American Car & Foundry Co, 30 Church St, N Y 7
American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Autoclave Engrs, 860 E 19 St, Erie, Pa
Babcock & Wilcox, 85 Liberty St, N Y 6
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Bowser Inc, 1307 E Creighton Ave, Fort Wayne, Ind
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
Downingtown Iron Works, Downingtown, Pa
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Edgemoor Iron Works, Edgemoor, Del
Gen American Transportation Corp, Field Bldg, Chicago 90, Ill
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Nooter Corp, 1400 S 2 St, Louis 4, Mo

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Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Union Iron Works, 15 & Cascade Sts, Erie, Pa
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Whitlock Mfg Co, 74 South St, Hartford 10, Conn

PROPORTIONERS, BOILER WATER

Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
Fischer & Porter Co, Hatboro, Pa
Lapp Insulator Co, Le Roy, N Y
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Milton Roy Co, 1382 E Mermaid Lane, Phila 18, Pa

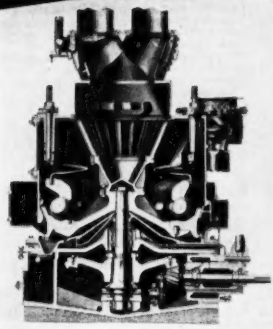
PSYCHROMETERS

American Mach & Metals, 233 Broadway, N Y 7
Bristol Co, Platts Mills, Waterbury, Conn
Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
Will Corp, Rochester 3, N Y

PULLEYS

Continental Gin Co, P O Box 2416, Birmingham 2, Ala
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Great Western Mfg Co, Leavenworth, Kan
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
Island Equipment Corp, 27-01 Bridge Plaza N, L I C 1, N Y
W A Jones Foundry & Mach Co, 4401 W Roosevelt Rd, Chicago 24, Ill

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Lovejoy Flexible Coupling Co, 5001 W Lake St, Chicago 44, Ill
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal

PULLEYS, MAGNETIC

Eriez Mfg Co, 629 Commerce Bldg, Erie, Pa
Homer Mfg Corp, 142 Pearl St, Lima, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Magnetic Engrg & Mfg Co, Clifton, N J
Stearns Magnetic Mfg Co, 672 S 28 St, Milwaukee 46, Wis

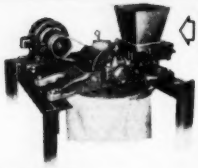
PULVERIZERS

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Babcock & Wilcox, 85 Liberty St, N Y 6
Blaw-Know Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Combustion Engrg-Superheater, 200 Madison Ave, N Y 16
Denver Fire Clay Co, 2301 Blake St, Denver 17, Col
Foster-Wheeler Corp, 165 Broadway, N Y 6
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Mercer-Robinson Co, 30 Church St, N Y 7
Mine & Smelter Supply Co, 1322 17 St, Denver 17, Col
Munson Mill Machy Co, 200 Seward Ave, Utica, N Y
Parten Mach Co, 311 Portland Ave, Minneapolis 51, Minn
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Pennsylvania Crusher Co, 1721 Liberty Trust Bldg, Phila 7, Pa
Pulva Corp, 550 High St, Perth Amboy, N J
Pulverizing Machy Co, Chatham Rd, P O Box 569, Summit, N J
Reitz Mfg Co, 441 Folsom St, San Francisco 5, Cal
Riley Stoker Corp, 9 Neposet St, Worchester 6, Mass
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass
Whiting Corp, Swenson Evaporator Div, Harvey, Ill
Williams Patent Crusher & Pulverizer Co, 813 Montgomery St, St Louis, Mo

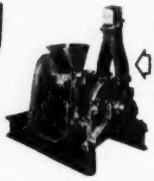
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Aldrich Pump Co, Allentown, Pa
Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Alsop Engrg Corp, Millidale, Conn
American Hard Rubber Co, 11 Mercer St, N Y 13
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Buffalo Pumps, 465 Broadway, Buffalo 5, N Y
De Laval Steam Turbine Co, 853 Nottingham Way, Trenton 2, N J
E & M Enterprises, Middleport, N Y
Eastern Industries, 296 Elm St, New Haven, Conn
Eco Engrg Co, 12 N Y Ave, Newark 1, N J
Goulds Pumps, 304 Fall St, Seneca Falls, N Y
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
Hanson-Van Winkle-Munning Co, Matawan, N J
Instruments Inc, Wright Bldg, Tulsa 3, Okla
Byron Jackson Co, P O Box 2017 Terminal Annex, Los Angeles 54, Cal
Kinney Mfg Co, 3529 Washington St, Jamaica Plain 30, Mass
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Lapp Insulator Co, Le Roy, N Y
Lawrence Machine & Pump Corp, Market St No 371, Lawrence, Mass
Lawrence Pump & Engrg Co, P O Box 70, Lawrence, Mass
Lead Lined Iron Pipe Co, Wakefield, Mass
Lecourtenay Co, Main & Ferry Sts, Newark 5, N J
Charles S Lewis & Co, 2207 Pine St, St Louis 3, Mo
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Luzerne Rubber Co, Trenton 7, N J
McFarland Mfg Co, 1320 Roberts St, Houston 3, Tex
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Nagle Pumps, 1245 Center Ave, Chicago Heights, Ill
Nash Engrg Co, 203 Wilson Rd, S Norwalk, Conn
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
Oliver United Filters, 33 W 42 St, N Y 18
Pacific Pumps, 5715 Bickett St, Huntington Park, Cal
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Portable Pump Co, Box 818 Central Sta, St Louis 1, Mo
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Milton Roy Co, 1382 E Mermaid Lane, Phila 18, Pa
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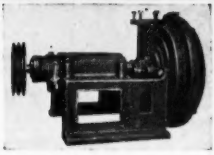


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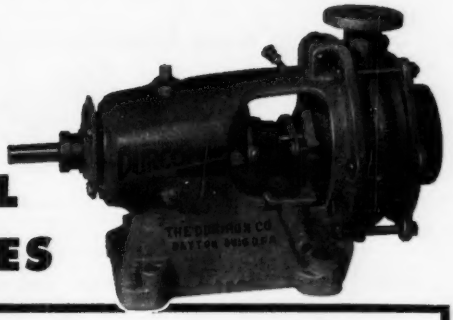
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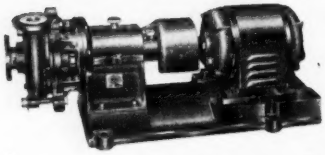
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A R Wilfley & Sons, Box 2330, Denver 1, Col
Yeomans Bros Co, 1434 N Dayton St, Chicago 22, Ill

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Allen-Sherman-Hoff Co, 259 E Lancaster Ave, Wynnewood, Pa
Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Alsop Engrg Corp, Millidale, Conn
American Hard Rubber Co, 11 Mercer St, N Y 13
American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Aurora Pump Co, 115 Loucks St, Aurora, Ill
Autoclave Engrs, 860 E 19 St, Erie, Pa
John Bean Co, 1305 S Cedar St, Lansing 4, Mich
Belke Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
Bell & Gossett Co, Morton Grove, Ill
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Eastern Industries, 296 Elm St, New Haven, Conn
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Foster Pump Works, 55 Washington St, Bklyn 1, N Y
Gorman-Rupp Co, Mansfield, Ohio
Goulds Pumps, 304 Fall St, Seneca Falls, N Y
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
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Kinney Mfg Co, 3529 Washington St, Jamaica Plain 30, Mass
Lapp Insulator Co, Le Roy, N Y
Lawrence Machine & Pump Corp, Market St No 371, Lawrence, Mass
Lawrence Pump & Engrg Co, P O Box 70, Lawrence, Mass
Lead Lined Iron Pipe Co, Wakefield, Mass
Lecourtenay Co, Main & Ferry Sts, Newark 5, N J
Charles S Lewis & Co, 2207 Pine St, St Louis 3, Mo
C W Logeman Co, 633 Bergen St, Bklyn 17, N Y
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Luzerne Rubber Co, Trenton 7, N J
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Nagle Pumps, 1245 Center Ave, Chicago Heights, Ill
Nash Engrg Co, 203 Wilson Rd, S Norwalk, Conn
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa

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Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Portable Pump Co, Box 818 Central Sta, St Louis 1, Mo
Milton Roy Co, 1382 E Mermaid Lane, Phila 18, Pa
Schnitzer Alloy Products Co, 631 Pine St, Elizabeth, N J
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
T Shriver & Co, 874 Hamilton St, Harrison, N J
Sier Bath Gear & Pump Co, 9251 Hudson Blvd, N Bergen, N J
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Wallace & Tiernan, 1 Main St, Belleville, N J
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass
Waterous Co, 80 Fillmore Ave E, St Paul 1, Minn
Weinman Pump Mfg Co, 292 Spruce St, Columbus 8, Ohio
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Ingersoll-Rand Co, Phillipsburg, N J
Nash Engrg Co, 203 Wilson Rd, S Norwalk, Conn
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
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Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Walker Process Equipment Co, 518 Hauks St, Aurora, Ill

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American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Binks Mfg Co, 3114-40 Carroll Ave, Chicago 12, Ill
Chicago Pneumatic Tool Co, 6 E 44 St, N Y 17
Gardner-Denver Co, S Front St, Quincy, Ill
Gray Co, 60 11 Ave N E, Minneapolis 31, Minn
Graymills Corp, 1948 Ridge Ave, Evanston, Ill
Instruments Inc, Wright Bldg, Tulsa 3, Okla
Byron Jackson Co, P O Box 2017 Terminal Annex, Los Angeles 54, Cal
Lawrence Machine & Pump Corp, Market St, No 371, Lawrence, Mass
Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
McFarland Mfg Co, 1320 Roberts St, Houston 3, Tex
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Milton Roy Co, 1382 E Mermaid Lane, Phila 18, Pa
Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14, Ill

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Binks Mfg Co, 3114-40 Carroll Ave, Chicago 12, Ill
De Laval Steam Turbine Co, 853 Nottingham Way, Trenton 2, N J
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Globe Chem Co, Murray Rd & Big 4 RR, Cincinnati 17, Ohio
Goulds Pumps, 304 Fall St, Seneca Falls, N Y
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Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14, Ill
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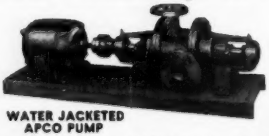
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Belke Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
Eco Engrg Co, 12 N Y Ave, Newark 1, N J
Globe Chem Co, Murray Rd & Big 4 RR, Cincinnati 17, Ohio
Goulds Pumps, 304 Fall St, Seneca Falls, N Y
Hanson-Van Winkle-Munning Co, Matawan, N J
Jabsco Pump Co, 2031 N Lincoln St, Burbank, Cal
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
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American Hard Rubber Co, 11 Mercer St, N Y 13
American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Atlantic Pump Corp, 4272 Wissahickon Ave, Phila 32 Pa
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Buffalo Pumps, 465 Broadway, Buffalo 5, N Y
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
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Chicago Pump Co, 2336 Wolfram St, Chicago 18, Ill
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Denver Equipment Co, 1400 17 St, Denver 17, Col
Duriron Co, 450, N Finley St, Dayton 1, Ohio
Eastern Industries, 296 Elm St, New Haven, Conn
Easy Industries, 162 N Clinton St, Chicago 6, Ill
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Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Food Mach & Chem Corp, 301 West Ave 26, Los Angeles 31, Cal
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gardner-Denver Co, S Front St, Quincy, Ill
Sam S Gelber Co, 162 Clinton St, Chicago 6, Ill
Gilbert & Barker Mfg Co, W Springfield, Mass
Gorman-Rupp Co, Mansfield, Ohio
Goulds Pumps, 304 Fall St, Seneca Falls, N Y
Graymills Corp, 1948 Ridge Ave, Evanston, Ill
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
Illium Corp, P O Box 478, Freeport, Ill
Ingersoll-Rand Co, Phillipsburg, N J
Byron Jackson Co, P O Box 2017 Terminal Annex, Los Angeles 54, Cal
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Lawrence Machine & Pump Corp, Market St No 371, Lawrence, Mass
Lawrence Pump & Engrg Co, P O Box 70, Lawrence, Mass
Lead Lined Iron Pipe Co, Wakefield, Mass
Lecourtenay Co, Main & Ferry Sts, Newark 5, N J
Charles S Lewis & Co, 2207 Pine St, St Louis 3, Mo
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Marlow Pumps, Box 566, Ridgewood, N J
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Morris Mach Works, Baldwinsville, N Y
Nagle Pumps, 1245 Center Ave, Chicago Heights, Ill

PUMPS, CENTRIFUGAL, continued

Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
Oliver United Filters, 33 W 42 St, N Y 18
Pacific Pumps, 5715 Bickett St, Huntington Park, Cal
Pennsylvania Pump & Compressor Co, Easton, Pa
Portable Pump Co, Box 818 Central Sta, St Louis 1, Mo
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Taco Heaters, 137 South St, Providence 3, R I
Trane Co, 300 Cameron Ave, La Crosse, Wis
Tri-Clover Mach Co, Kenosha, Wis
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass
Weinman Pump Mfg Co, 292 Spruce St, Columbus 8, Ohio
C H Wheeler Mfg Co, Lehigh & Sedgley Aves, Phila 32, Pa
A R Wilfley & Sons, Box 2330, Denver 1, Col
Yeomans Bros Co, 1434 N Dayton St, Chicago 22, Ill

PUMPS, CENTRIFUGAL STONEWARE

J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
U S Stoneware Co, 60 E 42 St, N Y

PUMPS, CONDENSATION

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Aurora Pump Co, 115 Loucks St, Aurora, Ill
John Bean Co, 1305 S Cedar St, Lansing 4, Mich
Buffalo Pumps, 465 Broadway, Buffalo 5, N Y
Chicago Pump Co, 2336 Wolfram St, Chicago, Ill
Cochrane Corp, 3154 N 17 St, Phila 32, Pa
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
De Laval Steam Turbine Co, 853 Nottingham Way, Trenton 2, N J
Deming Co, Salem, Ohio
Eastern Industries, 296 Elm St, New Haven, Conn
Easy Industries, 162 N Clinton St, Chicago 6, Ill
Eco Engrg Co, 12 N Y Ave, Newark 1, N J
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Food Mach & Chem Co, 301 West Ave 26, Los Angeles 31, Cal
Foster-Wheeler Corp, 165 Broadway, N Y 6
Sam S Gelber Co, 162 Clinton St, Chicago 6, Ill
Goulds Pumps, 304 Fall St, Seneca Falls, N Y
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Jabsco Pump Co, 2031 N Lincoln St, Burbank, Cal
Byron Jackson Co, P O Box 2017 Terminal Annex, Los Angeles 54, Cal
Lawrence Machine & Pump Corp, Market St No 371, Lawrence, Mass
Lawrence Pump & Engrg Co, P O Box 70, Lawrence, Mass
Nash Engrg Co, Co, 203 Wilson Rd, S Norwalk, Conn
Pennsylvania Pump & Compressor Co, Easton, Pa

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MORE THAN 60 YEARS of experience in designing and building centrifugal pumps goes to work for you when you specify Allis-Chalmers.

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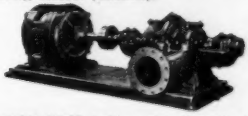
PROCESS—For corrosive and abrasive liquids, particularly corrosive liquids with abrasives in suspension. New *Equiseal* stuffing box eliminates leakage. Capacities to 1300 gpm, heads to 275 ft. Bulletin 08B6615.



CHEMICAL — Designed and built especially to meet problems of temperature, corrosion and contamination. Available in many materials and with several types of sealing arrangements. Capacities to 1200 gpm, heads to 250 ft, temperatures to 500 F. Bulletin 5287638.



SOLIDS — Made of special alloys to resist corrosion and abrasion. Handles up to 40% solids in suspension. Few working parts, easily accesible. Capacities 175 to 10,000 gpm, heads to 270 ft. Bulletins 0887112 (corrosives), 0886381 (abrasives).



SINGLE STAGE double suction. Capacities to 7000 gpm, heads to 475 ft; large high-head to 40,000 gpm, heads to 200 ft; large low-head to 170,000 gpm. For water supply, circulating and drainage. Bulletin 0886146.



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R & M MOYNOS PUMP "ANYTHING"

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NO OTHER PUMP LIKE THIS

Bearings are completely isolated from pumping compartment. No portion of housing is used as sealing surface. Easily cleaned. Thousands already in use.

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PUMP DIVISION • SPRINGFIELD 99, OHIO • BRANTFORD, ONTARIO

SHRIVER
Diaphragm Pumps



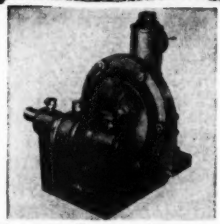
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DIAPHRAGM PUMP



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Stainless Steel or Standard construction.

Sizes: **¾" and 1¼".**

Capacity **at maximum stroke: 2.33 g.p.m. to 20.0 g.p.m.**

Stroke Adjustment: **Simple, positive stroke adjustment.**

H. P.: **¼ to ½.** ***Weight:*** **with motor, 140 pounds.**

Metered Flow: **Used extensively to meter and control volume being pumped.**

Other Type Pumps are available to handle any pumping problem.

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PUMPS, CONDENSATION, continued

Sterling Inc, 3738 N Holton St, Milwaukee 12, Wis
Trane Co, 300 Cameron Ave, La Crosse, Wis
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass
Weinman Pump Mfg Co, 292 Spruce St, Columbus 8, Ohio
Whittington Pump & Engrg Corp, 1126 Prospect St, Indianapolis 2, Ind
Yeomans Bros Co, 1434 N Dayton St, Chicago 22, Ill

PUMPS, DEWATERING

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Aurora Pump Co, Aurora, Ill
John Bean Co, 1305 S Cedar St, Lansing 4 Mich
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Chicago Pump Co, 2336 Wolfram St, Chicago 18, Ill
De Laval Steam Turbine Co, 853 Nottingham Way, Trenton 2, N J
Deming Co, Salem, Ohio
Eco Engrg Co, 12 N Y Ave, Newark 1, N J
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Food Mach & Chem Co, 301 West Ave 26, Los Angeles 31, Cal
Gardner-Denver Co, 5 Front St, Quincy, Ill
Sam S Gelber Co, 162 Clinton St, Chicago 6, Ill
Gorman-Rupp Co, Mansfield, Ohio
Goulds Pumps, 304 Fall St, Seneca Falls, N Y
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
Jabsco Pump Co, 2031 N Lincoln St, Burbank, Cal
Byron Jackson Co, P O Box 2017 Terminal Annex, Los Angeles 54, Cal
Lawrence Machine & Pump Corp, Market St No 371, Lawrence, Mass
Marlow Pumps, Box 566, Ridgewood, N J
Morris Mach Works, Baldwinsville, N Y
Nash Engrg Co, 203 Wilson Rd, S Norwalk, Conn
Claude B Schneible Co, 2831 25 St, Detroit 16, Mich
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass
Weinman Pump Mfg Co, 292 Spruce St, Columbus 8, Ohio
Yeomans Bros Co, 1434 N Dayton St, Chicago 22, Ill

PUMPS, DIAPHRAGM

John Bean Co, 1305 S Cedar St, Lansing 4, Mich
Clayton Mfg Co, Box 550, El Monte, Cal
Denver Equipment Co, 1400 17 St, Denver 17, Col
Door Co, Barry Pl, Stamford, Conn
Gorman-Rupp Co, Mansfield, Ohio
Lapp Insulator Co, Le Roy, N Y
Marlow Pumps, Box 566, Ridgewood, N J
J C Miller Co, 631 Chestnut SW, Grand Rapids, Mich
Oliver United Filters, 33 W 42 St, N Y 18
Pennsylvania Pioneers Inc, 406 Harris Ave, Providence 1, R I
T Shriver & Co, 874 Hamilton St, Harrison, N J
Wallace & Tiernan, 1 Main St, Belleville, N J

PUMPS, DIFFUSION

Distillation Products Industries, Rochester 3, N Y
Easy Industries, 162 N Clinton St, Chicago 6, Ill
Scientific Glass Apparatus Co, Bloomfield, N J
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa

PUMPS, DRUM

American Hard Rubber Co, 11 Mercer St, N Y 13
Binks Mfg Co, 3114-40 Carroll Ave, Chicago 12, Ill
Blackmer Pump Co, 1809 Century Ave S W, Grand Rapids 9, Mich
Globe Chem Co, Murray Rd & Big 4 RR, Cincinnati 17, Ohio
Goulds Pumps, 304 Fall St, Seneca Falls, N Y
Gray Co, 60 11 Ave N E, Minneapolis 31, Minn
Jabsco Pump Co, 2031 N Lincoln St, Burbank, Cal
Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
Protectoseal Co, 1904 S Western Ave, Chicago 8, Ill
Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14, Ill
Yale & Towne Mfg Co, 200 Henry St, Stamford, Conn

PUMPS, GEAR

Alsop Engrg Corp, Milldale, Conn
American Hard Rubber Co, 11 Mercer St, N Y 13
Denison Engrg Co, 1160 Dublin Rd, Columbus 16, Ohio
Eastern Industries, 296 Elm St, New Haven, Conn
Fairbanks Morse & Co 600 S Mich Ave, Chicago 5, Ill
Sam S Gelber Co, 162 Clinton St, Chicago 6, Ill
Goulds Pumps, 304 Fall St, Seneca Falls, N Y
Graymills Corp, 1948 Ridge Ave, Evanston, Ill

PUMPS, GEAR, continued

Hydraulic Press Mfg Co, 3006 Marion Rd, Mt Gilead, Ohio
Kinney Mfg Co, 3529 Washington St, Jamica Plain 30, Mass
Lapp Insulator Co, Le Roy, N Y
Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
Marco Co, 3 & Church St, Wilmington, Del
Northern Ordnance, Minneapolis, Minn
George D Roper Corp, 213 Park Ave, Rockford, Ill
Schutte & Koerting Co, Cornwells Heights, Bucks County, Pa
Sier Bath Gear & Pump Co, 9251 Hudson Blvd, N Bergen, N J
Viking Pump Co, 4 & Huss Sts, Cedar Falls, Iowa
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass
Yale & Towne Mfg Co, 200 Henry St, Stamford, Conn
York Corp, Roosevelt & P R R, York, Pa

PUMPS, GLASS

Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Lapp Insulator Co, Le Roy, N Y
Nash Engrg Co, 203 Wilson Rd, S Norwalk, Conn
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Scientific Glass Apparatus Co, Bloomfield, N J

PUMPS, GREASE

De Laval Steam Turbine Co, 853 Nottingham Way, Trenton 2, N J
Farval Corp, 3249 E 80 St, Cleveland 4, Ohio
Foster Pump Works, 55 Washington St, Bklyn 1, N Y
Goulds Pumps, 304 Fall St, Seneca Falls, N Y
Gray Co, 60 11 Ave N E, Minneapolis 31, Minn
Kinney Mfg Co, 3529 Washington St, Jamaica Plain 30, Mass
Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
McCord Corp, 2587 E Grand Blvd, Detroit 11, Mich
Northern Ordance, Minneapolis, Minn
George D Roper Corp, 213 Park Ave, Rockford, Ill
Sier Bath Gear & Pump Co, 9251 Hudson Blvd, N Bergen, N J
Viking Pump Co, 4 & Huss Sts, Cedar Falls, Iowa
Yale & Towne Mfg Co, 200 Henry St, Stamford, Conn

PUMPS, HAND

Blackmer Pump Co, 1809 Century Ave S W, Grand Rapids 9, Mich
Bowser Inc, 1307 E Creighton Ave, Fort Wayne, Ind
Deming Co, Salem, Ohio
Gray Co, 60 11 Ave N E, Minneapolis 31, Minn
Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14, Ill
Viking Pump Co, 4 & Huss Sts, Cedar Falls, Iowa

PUMPS, HARD RUBBER

American Hard Rubber Co, 11 Mercer St, N Y 13
Gorman-Rupp Co, Mansfield, Ohio
Lapp Insulator Co, Le Roy, N Y
Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
Luzerne Rubber Co, Trenton 7, N J
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Oliver United Filters, 33 W 42 St, N Y 18
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass

PUMPS, HEAVY VISCOUS MATERIAL

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Beach-Russ Co, 44 Church St, N Y
John Bean Co, 1305 S Cedar St, Lansing 4, Mich
Binks Mfg Co, 3114 Carroll Ave, Chicago 12, Ill
Blackmer Pump Co, 1809 Century Ave S W, Grand Rapids 9, Mich
Buffalo Pumps, 465 Broadway, Buffalo 5, N Y
De Laval Steam Turbine Co, 853 Nottingham Way, Trenton 2, N J
Easy Industries, 162 N Clinton St, Chicago 6, Ill
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Foster Pump Works, 55 Washington St, Bklyn 1, N Y
Sam S Gelber Co, 162 Clinton St, Chicago 6, Ill
Goulds Pumps, 304 Fall St, Seneca Falls, N Y
Gray Co, 60 11 Ave N E, Minneapolis 31, Minn
Jabsco Pump Co, 2031 N Lincoln St, Burbank, Cal
Kinney Mfg Co, 3529 Washington St, Jamaica Plain 30, Mass
Lawrence Pump & Engrg Co, P O Box 70, Lawrence, Mass
Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
Morris Mach Works, Baldwinsville, N Y
Nash Engrg Co, 203 Wilson Rd, S Norwalk, Conn
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
Northern Ordnance, Minneapolis, Minn
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
George D Roper Corp, 213 Park Ave, Rockford, Ill
Milton Roy Co, 1382 E Mermaid Lane, Phila 18, Pa
Sier Bath Gear & Pump Co, 9251 Hudson Blvd, N Bergen, N J
Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14, Ill

PUMPS, HEAVY VISCOUS MATERIAL, continued

Viking Pump Co, 4 & Huss Sts, Cedar Falls, Iowa
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass
Waterous Co, 80 Fillmore Ave E, St Paul 1, Minn
Yale & Towne Mfg Co, 200 Henry St, Stamford, Conn
Yeomans Bros Co, 1434 N Dayton St, Chicago 22, Ill

PUMPS, HIGH PRESSURE

Aldrich Pump Co, Allentown, Pa
Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Aurora Pump Co, 115 Loucks St, Aurora, Ill
Autoclave Engrs, 860 E 19 St, Erie, Pa
John Bean Co, 1305 S Cedar St, Lansing 4, Mich
Besler Corp, 4053 Harlan St, Emeryville, Cal
Binks Mfg Co, 3114 Carroll Ave, Chicago 12, Ill
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Buffalo Pumps, 465 Broadway, Buffalo 5, N Y
Cooper-Bessemer Corp, P O Box 751, Mt Vernon, Ohio
De Laval Steam Turbine Co, 853 Nottingham Way, Trenton 2, N J
Denison Engrg Co, 1160 Dublin Rd, Columbus 16, Ohio
Eastern Industries, 296 Elm St, New Haven, Conn
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
A B Farquhar Corp, 142 N Duke St, York, Pa
Foster Pump Works, 55 Washington St, Bklyn 1, N Y
Gardner-Denver Co, S Front St, Quincy, Ill
Sam S Gelber Co, 162 Clinton St, Chicago 6, Ill
Gorman-Rupp Co, Mansfield, Ohio
Goulds Pumps, 304 Fall St, Seneca Falls, N Y
Gray Co, 60 11 Ave N E, Minneapolis 31, Minn
Graymills Corp, 1948 Ridge Ave, Evanston, Ill
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
Hydraulic Press Mfg Co, 3006 Marion Rd, Mt Gilead, Ohio
Ingersoll-Rand Co, Phillipsburg, N J
Byron Jackson Co, P O Box 2017 Terminal Annex, Los Angeles 54, Cal
Kinney Mfg Co, 3529 Washington St, Jamaica Plain 30, Mass
Lapp Insulator Co, Le Roy, N Y
Lecourtenay Co, Main & Ferry Sts, Newark 5, N J
Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
C W Logeman Co, 633 Bergen St, Bklyn 17, N Y
McFarland Mfg Co, 1320 Roberts St, Houston 3, Tex
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
Northern Ordnance, Minneapolis, Minn
Pacific Pumps, 5715 Bickett St, Huntington Park, Cal
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
George D Roper Corp, 213 Park Ave, Rockford, Ill
Milton Roy Co, 1382 E Mermaid Lane, Phila 18, Pa
Sier Bath Gear & Pump Co, 9251 Hudson Blvd, N Bergen, N J
Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14, Ill
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass
Yeomans Bros Co, 1434 N Dayton St, Chicago 22, Ill

PUMPS, INSULATING COMPOUNDS

Binks Mfg Co, 3114 Carroll Ave, Chicago 12, Ill
Foster Pump Works, 55 Washington St, Bklyn 1, N Y
Goulds Pumps, 304 Fall St, Seneca Falls, N Y
Kinney Mfg Co, 3529 Washington St, Jamaica Plain 30, Mass
Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
Sier Bath Gear & Pump Co, 9251 Hudson Blvd, N Bergen, N J
Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14, Ill
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass
Yale & Towne Mfg Co, 200 Henry St, Stamford, Conn

PUMPS, JACKETED

American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Aurora Pump Co, 115 Loucks St, Aurora, Ill
Beach-Russ Co, 44 Church St, N Y
Blackmer Pump Co, 1809 Century Ave S W, Grand Rapids 9, Mich
Foster Pump Works, 55 Washington St, Bklyn 1, N Y
Hecherington & Berner, 701 Kentucky Ave, Indianapolis 7, Ind
Kinney Mfg Co, 3529 Washington St, Jamaica Plain 30, Mass
Lapp Insulator Co, Le Roy, N Y
Lawrence Machine & Pump Corp, Market St No 371, Lawrence, Mass
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Milton Roy Co, 1382 E Mermaid Lane, Phila 18, Pa
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Sier Bath Gear & Pump Co, 9251 Hudson Blvd, N Bergen, N J
Viking Pump Co, 4 & Huss Sts, Cedar Falls, Iowa
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass
Yale & Towne Mfg Co, 200 Henry St, Stamford, Conn

PUMPS, JET (STEAM, AIR, WATER)

American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Aurora Pump Co, 115 Loucks St, Aurora, Ill
Elliott Co, 900 N 4 St, Jeannette, Pa
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gorman-Rupp Co, Mansfield, Ohio
Heater & Mfg Co, 1434 West Ave, Buffalo, N Y
Lummus Co, 385 Madison Ave, N Y 17
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
C H Wheeler Mfg Co, Lehigh & Sedgeley Aves, Phila 32, Pa
Whittington Pump & Engrg Corp, 1126 Prospect St, Indianapolis 2, Ind

PUMPS, LINED

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
American Hard Rubber Co, 11 Mercer St, N Y 13
American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
British-American Carbon Corp, 18 E 48 St, N Y
John Bean Co, 1305 S Cedar St, Lansing 4, Mich
Blackmer Pump Co, 1809 Century Ave S W, Grand Rapids 9, Mich
Buffalo Pumps, 465 Broadway, Buffalo 5, N Y
Foster Pump Works, 55 Washington St, Bklyn 1, N Y
Galigher Co, 545 W 8 South St, Salt Lake City 4, Utah
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
Byron Jackson Co, P O Box 2017 Terminal Annex, Los Angeles 54, Cal
Lawrence Machine & Pump Corp, Market St No 371, Lawrence, Mass
Lead Lined Iron Pipe Co, Wakefield, Mass
Luzerne Rubber Co, Trenton 7, N J
Morris Mach Works, Baldwinsville, N Y
Oliver United Filters, 2900 Glascock St, Oakland 1, Cal
Viking Pump Co, 4 & Huss Sts, Cedar Falls, Iowa
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass
A R Wilfley & Sons, Box 2330, Denver 1, Col

PUMPS, LIQUID

Cooper-Bessemer Corp, P O Box 751, Mt Vernon, Ohio
E & M Enterprises, Middleport, N Y

PUMPS, LUBRICANT

American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Aurora Pump Co, 115 Loucks St, Aurora, Ill
Blackmer Pump Co, 1809 Century Ave S W, Grand Rapids 9, Mich
De Laval Steam Turbine Co, 853 Nottingham Way, Trenton 2, N J
Eastern Industries, 296 Elm St, New Haven, Conn
Eco Engrg Co, 12 N Y Ave, Newark 1, N J
Sam S Gelber Co, 162 Clinton St, Chicago 6, Ill
Goulds Pumps, 304 Fall St, Seneca Falls, N Y
Gray Co, 60 11 Ave N E, Minneapolis 31, Minn
Kinney Mfg Co, 3529 Washington St, Jamaica Plain 30, Mass
Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
Lunkenheimer Co, Cincinnati 14, Ohio
McCord Corp, 2587 E Grand Blvd, Detroit 11, Mich
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Northern Ordnance, Minneapolis, Minn
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
George D Roper Corp, 213 Park Ave, Rockford, Ill
Sier Bath Gear & Pump Co, 9251 Hudson Blvd, N Bergen, N J
Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14, Ill
Viking Pump Co, 4 & Huss Sts, Cedar Falls, Iowa
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass
Yale & Towne Mfg Co, 200 Henry St, Stamford, Conn

PUMPS, MIDGET

Beach-Russ Co, 44 Church St, N Y
Eastern Industries, 296 Elm St, New Haven, Conn
Easy Industries, 162 N Clinton St, Chicago 6, Ill
Eco Engrg Co, 12 N Y Ave, Newark 1, N J
Sam S Gelber Co, 162 Clinton St, Chicago 6, Ill
Gorman-Rupp Co, Mansfield, Ohio
Graymills Corp, 1948 Ridge Ave, Evanston, Ill
Jaosco Pump Co, 2031 N Lincoln St, Burbank, Cal
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
Portable Pump Co, Box 818 Central Sta, St Louis 1, Mo
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Resisto Pipe & Valve Co, 258 Bridge St, E Cambridge, Mass
Milton Roy Co, 1382 E Mermaid Lane, Phila 18, Pa
Taco Heaters, 137 South St, Providence 3, R I
Wallace & Tiernan, 1 Main St, Belleville, N J

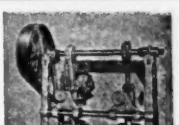
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Controlled Volume Pumps

For Every Chemical Service

- Supplied as motor-driven or air-powered units
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- Any material of construction to meet specific requirements
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PHILADELPHIA 18, PA.

DENVER
Adjustable Stroke
DIAPHRAGM PUMP



Denver Adjustable Stroke Diaphragm Pumps. **For Corrosive and Caustic Pulps.**

Sizes: **2", 3", 4", 5" and 6" in simplex, duplex, triplex and quadruplex units.**

Typical Application: **Handles 35% solids and 65% solution by weight of a caustic salt in suspension; liquid specific gravity 1.29, specific gravity of solids 2.5, temperature 120° F.**

Metered Flow: **Stroke can be adjusted while pump is in operation . . . controls volume.**

Other Pumps for all problems.

DENVER EQUIPMENT COMPANY
1400 Seventeenth Street
P. O. Box 5268
Denver 17, Colorado

PUMPS, NON-LUBRICATED

American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Eastern Industries, 296 Elm St, New Haven, Conn
Easy Industries, 162 N Clinton St, Chicago 6, Ill
Eco Engrg Co, 12 N Y Ave, Newark 1, N J
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Sam S Gelber Co, 162 Clinton St, Chicago 6, Ill
Graymills Corp, 1948 Ridge Ave, Evanston, Ill
Instruments Inc, Wright Bldg, Tulsa 3, Okla
Lapp Insulator Co, Le Roy, N Y
Nash Engrg Co, 203 Wilson Rd, S Norwalk, Conn
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
Sier Bath Gear & Pump Co, 9251 Hudson Blvd, N Bergen, N J
Viking Pump Co, 4 & Huss Sts, Cedar Falls, Iowa
Yale & Towne Mfg Co, 200 Henry St, Stamford, Conn

PUMPS, OIL

Aldrich Pump Co, Allentown, Pa
American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Anthony Co, 47-33 5 St, L I C 1, N Y
Aurora Pump Co, 115 Loucks St, Aurora, Ill
Bell & Gossett Co, Morton Grove, Ill
Blackmer Pump Co, 1809 Century Ave S W, Grand Rapids 9, Mich
Cooper-Bessemer Corp, P O Box 751, Mt Vernon, Ohio
De Laval Steam Turbine Co, 853 Nottingham Way, Trenton 2, N J
Denison Engrg Co, 1160 Dublin Rd, Columbus 16, Ohio
Eastern Industries, 296 Elm St, New Haven, Conn
Easy Industries, 162 N Clinton St, Chicago 6, Ill
Eco Engrg Co, 12 N Y Ave, Newark 1, N J
Farval Corp, 3249 E 80 St, Cleveland 4, Ohio
Foster Pump Works, 55 Washington St, Bklyn 1, N Y
Gardner-Denver Co, S Front St, Quincy, Ill
Sam S Gelber Co, 162 Clinton St, Chicago 6, Ill
Gorman-Rupp Co, Mansfield, Ohio
Goulds Pumps, 304 Fall St, Seneca Fall, N Y
Gray Co, 60 11 Ave N E, Minneapolis 31, Minn
Graymills Corp, 1948 Ridge Ave, Evanston, Ill
Grinnell Co, 260 W Exchange St, Providence 1, R I
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
Hauck Mfg Co, 124-136 10 St, Bklyn 15, N Y
Ingersoll-Rand Co, Phillipsburg, N J
Byron Jackson Co, P O Box 2017 Terminal Annex, Los Angeles 54, Cal
Kinney Mfg Co, 3529 Washington St, Jamaica Plain 30, Mass
Lawrence Machine & Pump Corp, Market St No 371, Lawrence, Mass
Lecourtenay Co, Main & Ferry Sts, Newark 5, N J
Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Lunkenheimer Co, Beekman St & Waverly Ave, Cincinnati 14, Ohio
Marlow Pumps, Box 566, Ridgewood, N J
National Airoil Burner Co, 1348 E Sedgley Ave, Phila 34, Pa
Northern Ordnance, Minneapolis, Minn
Pacific Pumps, 5715 Bickett St, Huntington Park, Cal
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
George D Roper Corp, 213 Park Ave, Rockford, Ill
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Sier Bath Gear & Pump Co, 9251 Hudson Blvd, N Bergen, N J
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14, Ill
Viking Pump Co, 4 & Huss Sts, Cedar Falls, Iowa
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass
Yale & Towne Mfg Co, 200 Henry St, Stamford, Conn

PUMPS, OPEN IMPELLER

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Aurora Pump Co, 115 Loucks St, Aurora, Ill
Bell & Gossett Co, Morton Grove, Ill
Buffalo Pumps, 465 Broadway, Buffalo 5, N Y
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Chicago Pump Co, 2336 Wolfram St, Chicago 18, Ill
De Laval Steam Turbine Co, 853 Nottingham Way, Trenton 2, N J
Denver Equipment Co, 1400 17 St, Denver 17, Col
Eastern Industries, 296 Elm St, New Haven, Conn
Easy Industries, 162 N Clinton St, Chicago 6, Ill
Enzinger Union Corp, Angola, N Y
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Falls Industries, Aurora Rd, Solon, Ohio
Food Mach & Chem Co, 301 West Ave 26, Los Angeles 31, Cal
Sam S Gelber Co, 162 Clinton St, Chicago 6, Ill
Goulds Pumps, 304 Fall St, Seneca Falls, N Y
Gorman-Rupp Co, Mansfield, Ohio
Graymills Corp, 1948 Ridge Ave, Evanston, Ill
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
Ilium Corp, P O Box 478, Freeport, Ill
Ingersoll-Rand Co, Phillipsburg, N J
Byron Jackson Co, P O Box 2017 Terminal Annex, Los Angeles 54, Cal
Lawrence Machine & Pump Corp, Market St No 371, Lawrence, Mass
Lawrence Pump & Engrg Co, P O Box 70, Lawrence, Mass
Marlow Pumps, Box 566, Ridgewood, N J
Morris Mach Works, Baldwinsville, N Y
Nagle Pumps, 1245 Center Ave, Chicago Heights, Ill
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa

PUMPS, OPEN IMPELLER, continued

Pacific Pumps, 5715 Bickett St, Huntington Park, Cal
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Taco Heaters, 137 South St, Providence 3, R I
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass
Weinman Pump Mfg Co, 292 Spruce St, Columbus 8, Ohio
Yeomans Bros Co, 1434 N Dayton St, Chicago 22, Ill

PUMPS, PLASTIC

Eco Engrg Co, 12 N Y Ave, Newark 1, N J
Lapp Insulator Co, Le Roy, N Y
Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Milton Roy Co, 1382 E Mermaid Lane, Phila 18, Pa
Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14, Ill
A R Wilfley & Sons, Box 2330, Denver 1, Col

PUMPS, PORTABLE

Alsop Engrg Corp, Milldale, Conn
American Hard Rubber Co, 11 Mercer St, N Y 13
American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Beach-Russ Co, 44 Church St, N Y
John Bean Co, 1305 S Cedar St, Lansing 4, Mich
Binks Mfg Co, 3114-40 Carroll Ave, Chicago 12, Ill
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Deming Co, Salem, Ohio
E & M Enterprises, Middleport, N Y
Eastern Industries, 296 Elm St, New Haven, Conn
Easy Industries, 162 N Clinton St, Chicago 6, Ill
Eco Engrg Co, 12 N Y Ave, Newark 1, N Y
Food Mach & Chem Co, 301 West Ave 26, Los Angeles 31, Cal
Gardner-Denver Co, S Front St, Quincy, Ill
Sam S Gelber Co, 162 Clinton St, Chicago 6, Ill
Gorman-Rupp Co, Mansfield, Ohio
Goulds Pumps, 304 Fall St, Seneca Falls, N Y
Graymills Corp, 1948 Ridge Ave, Evanston, Ill
Jabsco Pump Co, 2031 N Lincoln St, Burbank, Cal
Byron Jackson Co, P O Box 2017 Terminal Annex, Los Angeles 54, Cal
Lawrence Machine & Pump Corp, Market St No 371, Lawrence, Mass
Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
McFarland Mfg Co, 1320 Roberts St, Houston 3, Tex
Marlow Pumps, Box 566, Ridgewood, N J
Portable Pump Co, Box 818 Central Sta, St Louis 1, Mo
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14, Ill
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal
Yale & Towne Mfg Co, 200 Henry St, Stamford, Conn

PUMPS, POWER ROTARY

Alsop Engrg Corp, Milldale, Conn
Beach-Russ Co, 44 Church St, N Y
Blackmer Pump Co, 1809 Century Ave S W, Grand Rapids 9, Mich
Chicago Pneumatic Tool Co, 6 E 44 St, N Y 17
De Laval Steam Turbine Co, 853 Nottingham Way, Trenton, N J
Deming Co, Salem, Ohio
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Foster Pump Works, 55 Washington St, Bklyn 1, N Y
Gould Pumps, 304 Falls St, Seneca Falls, N Y
Hydraulic Press Mfg Co, 3006 Marion Rd, Mt Gilead, Ohio
Kinney Mfg Co, 3529 Washington St, Jamaica Plain 30, Mass
Northern Ordnance, Minneapolis, Minn
George D Roper Corp, 213 Park Ave, Rockford, Ill
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Sier Bath Gear & Pump Co, 9251 Hudson Blvd, N Bergen, N J
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal
Viking Pump Co, 4 & Huss Sts, Cedar Falls, Iowa
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass
Waterous Co, 80 Fillmore Ave E, St Paul 1, Minn
Yale & Towne Mfg Co, 200 Henry St, Stamford, Conn

PUMPS, PROPORTIONING

John Bean Co, 1305 S Cedar St, Lansing 4, Mich
Brosites Mach Co, 50 Church St, N Y 7
E & M Enterprises, Middleport, N Y
Sam S Gelber Co, 162 Clinton St, Chicago 6, Ill
Hills-McCanna Co, 3025 N Western Ave, Chicago 18, Ill
Hydraulic Press Mfg Co, 3006 Marion Rd, Mt Gilead, Ohio
Lapp Insulator Co, Le Roy, N Y
C W Logeman Co, 633 Bergen St, Bklyn 17, N Y
Marco Co, 3 & Church St, Wilmington, Del
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
McCord Corp, 2587 E Grand Blvd, Detroit 11, Mich
McFarland Mfg Co, 1320 Roberts St, Houston 3, Tex
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
Oliver United Filters, 2900 Glascock St, Oakland 1, Cal
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Milton Roy Co, 1382 E Mermaid Lane, Phila 18, Pa
T Shriver & Co, 874 Hamilton St, Harrison, N J
Wallace & Tiernan, 1 Main St, Belleville, N J
Yale & Towne Mfg Co, 200 Henry St, Stamford, Conn

PUMPS, PUTTY

Binks Mfg Co, 3114-40 Carroll Ave, Chicago 12, Ill
Gray Co, 60 11 Ave N E, Minneapolis 31, Minn
Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
Lapp Insulator Co, Le Roy N Y
Roobins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14, Ill
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass

PUMPS, REAGENT

Goulds Pumps, 304 Fall St, Seneca Falls, N Y
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
Wallace & Tiernan, 1 Main St, Belleville, N J

PUMPS, RECIPROCATING

Aldrich Pump Co, Allentown, Pa
Alsop Engrg Corp, Milldale, Conn
American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
John Bean Co, 1305 S Cedar St, Lansing 4, Mich
Binks Mfg Co, 3114-40 Carroll Ave, Chicago 12, Ill
Besler Corp, 4053 Harlan St, Emeryville, Cal
Cooper-Bessemer Corp, P O Box 751, Mt Vernon, Ohio
Deming Co, Salem, Ohio
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Food Mach & Chem Co, 301 West Ave 26, Los Angeles 31, Cal
Gardner-Denver Co, S Front St, Quincy, Ill
Goulds Pumps, 304 Fall St, Seneca Falls, N Y
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
Niagara Filter Corp, 3109 Main St, Buffalo 14, N Y
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Milton Roy Co, 1382 Mermaid Lane, Phila 18, Pa
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass

PUMPS, ROTARY VACUUM

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Alsop Engrg Corp, Milldale, Conn
American Hard Rubber Co, 11 Mercer St, N Y 13
Beach-Russ Co, 44 Church St, N Y
Binks Mfg Co, 3114-40 Carroll Ave, Chicago 12, Ill
Blackmer Pump Co, 1809 Century Ave S W, Grand Rapids 9, Mich
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Cherry-Burrell Corp, 427 W Randolph St, Chicago 6, Ill
De Laval Steam Turbine Co, 853 Nottingham Way, Trenton 2, N J
Deming Co, Salem, Ohio
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Distillation Products Industries, Rochester 3, N Y
Eco Engrg Co, 12 N Y Ave, Newark 1, N J
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Foster Pump Works, 55 Washington St, Bklyn 1, N Y
Graymills Corp, 1948 Ridge Ave, Evanston, Ill
Jabsco Pump Co, 2031 N Lincoln St, Burbank, Cal
Kinney Mfg Co, 3529 Washington St, Jamaica Plain 30, Mass
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Litton Industries, 1001 Britton Ave, San Carlos, Cal
Nash Engrg Co, 203 Wilson Rd, S Norwalk, Conn
National Airoil Burner Co, 1348 E Sedgley Ave, Phila 34, Pa
Northern Ordnance, Minneapolis, Minn
Sier Bath Gear & Pump Co, 9251 Hudson Blvd, N Bergen, N J
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal
Viking Pump Co, 4 & Huss Sts, Cedar Falls, Iowa
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass
Waterous Co, 80 Fillmore Ave E, St Paul 1, Minn
Williams Patent Crusher & Pulverizer Co, 813 Montgomery St, St Louis, Mo
Yale & Towne Mfg Co, 200 Henry St, Stamford, Conn

PUMPS, RUBBER LINED

Allen-Sherman-Hoff Co, 259 E Lancaster Ave, Wynnewood, Pa
Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
American Hard Rubber Co, 11 Mercer St, N Y 13
Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
Buffalo Pumps, 465 Broadway, Buffalo 5, N Y
Denver Equipment Co, 1400 17 St, Denver 17, Col
Sam S Gelber Co, 162 Clinton St, Chicago 6, Ill
Byron Jackson Co, P O Box 2017, Terminal Annex, Los Angeles 54, Cal
Luzerne Rubber Co, Trenton 7, N J
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Morris Mach Works, Baldwinsville, N Y
Oliver United Filters, 33 W 42 St, N Y 18
Pioneer Rubber Mills, 353 Sacramento St, San Francisco 11, Cal
Raybestos-Manhattan, 61 Willet St, Passaic, N J
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass
A R Wilfley & Sons, Box 2330, Denver 1, Col

PUMPS, SANITARY

Beach-Russ Co, 44 Church St, N Y
John Bean Co, 1305 S Cedar St, Lansing 4, Mich
Cellulo Co, 2100 1 St, Sandusky, Ohio
Cherry-Burrell Corp, 427 W Randolph St, Chicago 6, Ill

PUMPS, SANITARY, continued

Chicago Pump Co, 2336 Wolfram St, Chicago 18, Ill
De Laval Steam Turbine Co, 853 Nottingham Way, Trenton 2, N J
Dorr Co, Barry Pl, Stamford, Conn
E & M Enterprises, Middleport, N Y
Enzinger Union Corp, Angola, N Y
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
A B Farquhar Corp, 142 N Duke St, York, Pa
Foster Pump Works, 55 Washington St, Bklyn 1, N Y
Gardner-Denver Co, S Front St, Quincy, Ill
Sam S Gelber Co, 162 Clinton St, Chicago 6, Ill
Gorman-Rupp Co, Mansfield, Ohio
Byron Jackson Co, P O Box 2017, Terminal Annex, Los Angeles 54, Cal
Lawrence Machine & Pump Corp, Market St No 371, Lawrence, Mass
C W Logeman Co, 633 Bergen St, Bklyn 17, N Y
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Oliver United Filters, 33 W 42 St, N Y 18
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
Milton Roy Co, 1382 Mermaid Lane, Phila 18, Pa
L C Thomsen & Sons, 1303 43 St, Kenosha, Wis
Tri-Clover Mach Co, Kenosha, Wis
Viking Pump Co, 4 & Huss Sts, Cedar Falls, Iowa
Waterous Co, 80 Fillmore Ave E, St Paul 1, Minn

PUMPS, SCREW

Warren Steam Pump Co, 16 Bridges Ave, Warren Mass

PUMPS, SEALING COMPOUNDS

Aurora Pump Co, 115 Loucks St, Aurora, Ill
Binks Mfg Co, 3114-40 Carroll Ave, Chicago 12, Ill
Eco Engrg Co, 12 N Y Ave, Newark 1, N J
Foster Pump Works, 55 Washington St, Bklyn 1, N Y
Gray Co, 60 11 Ave N E, Minneapolis 31, Minn
Kinney Mfg Co, 3529 Washington St, Jamaica Plain 30, Mass
Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
Sier Bath Gear & Pump Co, 9251 Hudson Blvd, N Bergen, N J
Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14, Ill
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass

PUMPS, SELF-PRIMING

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Alsop Engrg Corp, Milldale, Conn
American Hard Rubber Co, 11 Mercer St, N Y 13
American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Aurora Pump Co, 115 Loucks St, Aurora, Ill
Binks Mfg Co, 3114-40 Carroll Ave, Chicago 12, Ill
Blackmer Pump Co, 1809 Century Ave S W, Grand Rapids 9, Mich
Buffalo Pumps, 465 Broadway, Buffalo 5, N Y
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
De Laval Steam Turbine Co, 853 Nottingham Way, Trenton 2, N J
Deming Co, Salem, Ohio
Duriron Co, 450 N Finley St, Dayton 1, Ohio
Eastern Industries, 296 Elm St, New Haven, Conn
Eco Engrg Co, 12 N Y Ave, Newark 1, N J
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Sam S Gelber Co, 162 Clinton St, Chicago 6, Ill
Gorman-Rupp Co, Mansfield, Ohio
Goulds Pumps, 304 Fall St, Seneca Falls, N Y
Graymills Corp, 1948 Ridge Ave, Evanston, Ill
Jabsco Pump Co, 2031 N Lincoln St, Burbank, Cal
Byron Jackson Co, P O Box 2017 Terminal Annex, Los Angeles 54, Cal
Lawrence Machine & Pump Corp, Market St No 371, Lawrence, Mass
Lincoln Engrg Co, 5701 Natural Bridge Ave, St Louis 20, Mo
Marlow Pumps, Box 566, Ridgewood, N J
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Nagle Pumps, 1245 Center Ave, Chicago Heights, Ill
Nash Engrg Co, 203 Wilson Rd, S Norwalk, Conn
Portable Pump Co, Box 818, Central Sta, St Louis 1, Mo
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
George D Roper Corp, 213 Park Ave, Rockford, Ill
Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14, Ill
Viking Pump Co, 4 & Huss Sts, Cedar Falls, Iowa
Yeomans Bros Co, 1434 N Dayton St, Chicago 22, Ill

PUMPS, SEWAGE

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
American Hard Rubber Co, 11 Mercer St, N Y 13
American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Aurora Pump Co, 115 Loucks St, Aurora, Ill
John Bean Co, 1305 S Cedar St, Lansing 4, Mich
Buffalo Pumps, 465 Broadway, Buffalo 5, N Y
Chicago Pump Co, 2336 Wolfram St, Chicago 18, Ill
De Laval Steam Turbine Co, 853 Nottingham Way, Trenton 2, N J
Deming Co, Salem, Ohio
Dorr Co, Barry Pl, Stamford, Conn
Eco Engrg Co, 12 N Y Ave, Newark 1, N J
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Food Mach & Chem Co, 301 West Ave 26, Los Angeles 31, Cal
Gardner-Denver Co, S Front St, Quincy, Ill
Sam S Gelber Co, 162 Clinton St, Chicago 6, Ill
Gorman-Rupp Co, Mansfield, Ohio
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
Ingersoll-Rand Co, Phillipsburg, N J
Byron Jackson Co, P O Box 2017 Terminal Annex, Los Angeles 54, Cal
Lawrence Machine & Pump Corp, Market St No 371, Lawrence, Mass
Marlow Pumps, Box 566, Ridgewood, N J
Morris Mach Works, Baldwinsville, N Y
Nash Engrg Co, 203 Wilson Rd, S Norwalk, Conn
Oliver United Filters, 33 W 42 St, N Y 18
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass
Weinman Pump Mfg Co, 292 Spruce St, Columbus 8, Ohio
Yeomans Bros Co, 1434 N Dayton St, Chicago 22, Ill

PUMPS, SLURRY

Allen-Sherman-Hoff Co, 259 E Lancaster Ave, Wynnewood, Pa
Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Alsop Engrg Corp, Milldale, Conn
American Brake Shoe Co, 230 Park Ave, N Y 17
American Hard Rubber Co, 11 Mercer St, N Y 13
American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
John Bean Co, 1305 S Cedar St, Lansing 4, Mich
Buffalo Pumps, 465 Broadway, Buffalo 5, N Y
Chicago Pump Co, 2336 Wolfram St, Chicago 18, Ill
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Deming Co, Salem, Ohio
Denver Equipment Co, 1400 17 St, Denver 17, Col
Dorr Co, Barry Pl, Stamford, Conn
Easy Industries, 162 N Clinton St, Chicago 6, Ill
Eco Engrg Co, 12 N Y Ave, Newark 1, N J
Enzinger Union Corp, Angola, N Y
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Gardner-Denver Co, S Front St, Quincy, Ill
Gorman-Rupp Co, Mansfield, Ohio
Goulds Pumps, 304 Fall St, Seneca Falls, N Y
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
Ingersoll-Rand Co, Phillipsburg, N J
Instruments Inc, Wright Bldg, Tulsa 3, Okla
Jabsco Pump Co, 2031 N Lincoln St, Burbank, Cal
Byron Jackson Co, P O Box 2017 Terminal Annex, Los Angeles 54, Cal
Kinney Mfg Co, 3529 Washington St, Jamaica Plain 30, Mass
Lapp Insulator Co, Le Roy, N Y
Lawrence Machine & Pump Corp, Market St No 371, Lawrence, Mass
Lawrence Pump & Engrg Co, P O Box 70, Lawrence, Mass
McNally-Pittsburg Mfg Co, Pittsburg, Kan
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Milton Roy Co, 1382 Mermaid Lane, Phila 18, Pa
Morris Mach Works, Baldwinsville, N Y
Nagle Pumps, 1245 Center Ave, Chicago Heights, Ill
Oliver United Filters, 33 W 42 St, N Y 18
Pacific Pumps, 5715 Bickett St, Huntington Park, Cal
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
Claude B Schneible Co, 2831 25 St, Detroit 16, Mich
Sier Bath Gear & Pump Co, 9251 Hudson Blvd, N Bergen, N J
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass
A R Wilfley & Sons, Box 2330, Denver 1, Col
Yale & Towne Mfg Co, 200 Henry St, Stamford, Conn
Yeomans Bros Co, 1434 N Dayton St, Chicago 22, Ill

PUMPS, STEAM

American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Gardner-Denver Co, S Front St, Quincy, Ill
Lawrence Machine & Pump Corp, Market St No 371, Lawrence, Mass
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass

PUMPS, STEAM JACKETED

American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Blackmer Pump Co, 1809 Century Ave, S W, Grand Rapids 9, Mich
Foster Pump Works, 55 Washington St, Bklyn 1, N Y
Gardner-Denver Co, S Front St, Quincy, Ill
Hetherington & Berner, 701 Kentucky Ave, Indianapolis 7, Ind
Kinney Mfg Co, 3529 Washington St, Jamaica Plain 30, Mass
Lapp Insulator Co, Le Roy, N Y
Lawrence Machine & Pump Corp, Market St No 371, Lawrence, Mass
Milton Roy Co, 1382 Mermaid Lane, Phila 18, Pa
Viking Pump Co, 4 & Huss Sts, Cedar Falls, Iowa
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass
Yale & Towne Mfg Co, 200 Henry St, Stamford, Conn

PUMPS, SUCTION

Allen-Sherman Hoff Co, 259 E Lancaster Ave, Wynnewood, Pa
American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis

PUMPS, SUCTION, continued

Deming Co, Salem, Ohio
Dorr Co, Barry Pl, Stamford, Conn
Eco Engrg Co, 12 N Y Ave, Newark 1, N J
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Gardner-Denver Co, S Front St, Quincy, Ill
Sam S Gelber Co, 162 Clinton St, Chicago 6, Ill
Gorman-Rupp Co, Mansfield, Ohio
Goulds Pumps, 304 Fall St, Seneca Falls, N Y
Ingersoll-Rand Co, Phillipsburg, N J
Byron Jackson Co, P O Box 2017 Terminal Annex, Los Angeles 54, Cal
Kinney Mfg Co, 3529 Washington St, Jamaica Plain 30, Mass
Lawrence Machine & Pump Corp, Market St No 371, Lawrence, Mass
Morris Mach Works, Baldwinsville, N Y
Nash Engrg Co, 203 Wilson Rd, S Norwalk, Conn
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal

PUMPS, SUMP

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Aurora Pump Co, 115 Loucks St, Aurora, Ill
Buffalo Pumps, 465 Broadway, Buffalo 5, N Y
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Chicago Pump Co, 2336 Wolfram St, Chicago 18, Ill
Chicago Pneumatic Tool Co, 6 E 44 St, N Y 17
Deming Co, Salem, Ohio
Eastern Industries, 296 Elm St, New Haven, Conn
Easy Industries, 162 N Clinton St, Chicago 6, Ill
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Food Mach & Chem Co, 301 West Ave 26, Los Angeles 31 Cal
Gardner-Denver Co, S Front St, Quincy, Ill
Sam S Gelber Co, 162 Clinton St, Chicago 6, Ill
Gorman-Rupp Co, Mansfield, Ohio
Goulds Pumps, 304 Fall St, Seneca Falls, N Y
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
Ingersoll-Rand Co, Phillipsburg, N J
Jabsco Pump Co, 2031 N Lincoln St, Burbank, Cal
Byron Jackson Co, P O Box 2017 Terminal Annex, Los Angeles 54, Cal
Lawrence Machine & Pump Corp, Market St No 371, Lawrence, Mass
Lawrence Pump & Engrg Co, P O Box 70, Lawrence, Mass
Charles S Lewis & Co, 2207 Pine St, St Louis 3, Mo
Neptune Pump Co, 4912 N 6 St, Phila 20, Pa
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Portable Pump Co, Box 818 Central Sta, St Louis 1, Mo
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass
Weinman Pump Mfg Co, 292 Spruce St, Columbus 8, Ohio
Yoemans Bros Co, 1434 N Dayton St, Chicago 22, Ill

PUMPS, TURBINE

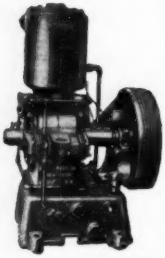
American Marsh Pumps, 50 Maple Ave N E , Battle Creek, Mich
Aurora Pump Co, 115 Loucks St, Aurora, Ill
Cellulo Co, 2100 1 St, Sandusky, Ohio
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Food Mach & Chem Co, 301 West Ave 26, Los Angeles 31 Cal
Byron Jackson Co, P O Box 2017 Terminal Annex, Los Angeles 54, Cal
Layne & Bowler, Box 6815 Hollywood Sta, Memphis 8, Tenn
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis

PUMPS, VACUUM

Acme Coppersmithing & Mach Co, Oreland, Pa
Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Alsop Engrg Corp, Milldale, Conn
American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Beach-Russ Co, 44 Church St, N Y
Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Chicago Pneumatic Tool Co, 6 E 44 St, N Y 17
Chicago Pump Co, 2336 Wolfram St, Chicago 18, Ill
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Distillation Products Industries, Rochester 3, N Y
Foster Pump Works, 55 Washington St, Bklyn 1, N Y
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gardner-Denver Co, S Front St, Quincy, Ill
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
Ingersoll-Rand Co, Phillipsburg, N J
Joy Mfg Co, Oliver Bldg, Pittsburgh 22, Pa
Kinney Mfg Co, 3529 Washington St, Jamacia Plain 30, Mass
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Litton Industries, 1001 Britton Ave, San Carlos, Cal
Lummus Co, 385 Madison Ave, N Y 17
National Research Corp, 70 Memorial Dr, Cambridge 42, Mass
Oliver United Filters, 2900 Glascock St, Oakland 1, Cal
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Read Standard Corp, Gaskell Ave, Erie, Pa
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa

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Rotary — Positive Vacuum to 10 Microns Capacities, 1 to 850 c.f.m. For dry or wet vacuum



Exclusive design embodies automatic air-oil and water-oil separator and lubrication system. Oil-sealed action, slow pump speed yet high-speed evacuation, trouble-free service. Also air compressors and gas boosters.

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To meet your most exacting requirements, there are over 90 glass-lined and alloy reactors in the standard Pfaudler line. Capacities range from 2 gallons up. They are available with stuffing boxes for either average or high pressure work. Adjustable baffles provide a wide range of agitation flexibility. Impeller speed can be readily changed by simple adjustment.

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1000 West Ave., Rochester 3, N.Y.

PUMPS, VACUUM, continued

Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass
Whittington Pump & Engrg Corp, 1126 Prospect St, Indianapolis 3, Ind
Will Corp, Rochester 3, N Y
Yoemans Bros Co, 1434 N Dayton St, Chicago 22, Ill

PUMPS, VACUUM (MERCURY VAPOR)

Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Croll Reynolds Co, 17 John St, N Y 38
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Distillation Products Industries, Rochester 3, N Y
Nash Engrg Co, 203 Wilson Rd, S Norwalk, Conn
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal

PUMPS, VERTICAL CENTRIFUGAL

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Alsop Engrg Corp, Milldale, Conn
American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Aurora Pump Co, 115 Loucks St, Aurora, Ill
Buffalo Pumps, 645 Broadway, Buffalo 5, N Y
Chicago Pneumatic Tool Co, 6 E 44 St, N Y 17
Chicago Pump Co, 2336 Wolfram St, Chicago 18, Ill
De Laval Steam Turbine Co, 853 Nottingham Way, Trenton 2, N J
Deming Co, Salem, Ohio
Denver Equipment Co, 1400, 17 St, Denver 17, Col
Easy Industries, 162 N Clinton St, Chicago 6, Ill
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gardner-Denver Co, S Front St, Quincy, Ill
Sam S Gelber Co, 162 Clinton St, Chicago 6, Ill
Goulds Pumps, 304 Fall St, Seneca Falls, N Y
Graymills Corp, 1948 Ridge Ave, Evanston, Ill
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
Ingersoll-Rand Co, Phillipsburg, N J
Byron Jackson C, P O Box 2017 Terrminal Annex, Los Angeles 54, Cal
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Lawrence Machine & Pump Corp, Market St No 371, Lawrence, Mass
Lawrence Pump & Engrg Co, P O Box 70, Lawrence, Mass
Layne & Bowler, Box 6815 Hollywood Sta, Memphis 8, Tenn
Lecourtenay Co, Main & Ferry Sts, Newark 5, N J
Charles S Lewis & Co, 2207 Pine St, St Louis 3, Mo
Marlow Pumps, Box 566, Ridgewood, N J
Morris Mach Works, Baldwinsville, N Y
Nagle Pumps, 1245 Center Ave, Chicago Heights, Ill
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
Pacific Pumps, 5715 Bickett St, Huntington Park, Cal
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Robbins & Meyers, 1345 Lagonda Ave, Springfield, Ohio
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass
Weinman Pump Mgf, Co, 292 Spruce St, Columbus 8, Ohio
C H Wheeler Mfg Co, Lehigh Sedgley Aves, Phila 32, Pa
Yoemans Bros Co, 1434 N Dayton St, Chicago 22, Ill

PUMPS, VOLUTE

American Marsh Pumps, 50 Maple Ave N E, Battle Creek, Mich
Aurora Pump Co, 115 Loucks St, Aurora, Ill
De Laval Steam Turbine Co, 853 Nottingham Way, Trenton 2, N J
Eastern Industries, 296 Elm St, New Haven, Conn
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Gorman-Rupp Co, Mansfield, Ohio
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
Ingersoll-Rand Co, Phillipsburgh, N J
Byron Jackson Co, P O Box 2017 Terminal Annex, Los Angeles 54 Cal
Lawrence Machine & Pump Corp, Market St No 371, Lawrence, Mass
Lecourtenay Co, Main & Ferry Sts, Newark 5, N J
Leeds & Northrup Co, 4970 Stenton Ave, Phila 44, Pa
Charles S Lewis & Co, 2207 Pine St, St Louis 3, Mo
Marlow Pumps, Box 566, Ridgewood, N J
Morris Mach Works, Baldwinsville, N Y
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
Pacific Pumps, 5715 Bickett St, Huntington Park, Cal
Warren Steam Pump Co, 16 Bridges Ave, Warren, Mass
Weinman Pump Mfg Co, 292 Spruce St, Columbus 8, Ohio
C H Wheeler Mfg Co, Lehigh & Sedgley Aves, Phila 32, Pa
Yoemans Bros Co, 1434 N Dayton St, Chicago 22, Ill

PYROMETERS

Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Bristol Co, Platts Mills, Waterbury, Conn
Gen Elec Co, Schenectady 5, N Y
Hoskins Mfg Co, 4445 Lawton Ave, Detroit, Mich
K H Huppert Co, 6830 Cottage Grove Ave, Chicago, Ill
Illinois Testing Lab, 420 N LaSalle St, Chicago 10, Ill
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Pyrometer Instrument Co, Portland & Delport Aves, Bergenfield, N J
Taber Instruments Co, 111 Goundry St, N Tonawanda, NY
Thermo-Elec Co, 22-02 Raphael St, Fairlawn, N J

PYROMETERS, continued

Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
Wheelco Instruments Co, 847 W Harrison St, Chicago 7, Ill
Will Corp, Rochester 3, N Y

QUARTZ APPARATUS & EQUIPMENT

Gen Elec Co, Schenectady 5, N Y
Hanovia Chem & Mfg Co, Chestnut & R R Aves, Newark, N J
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa

QUARTZ APPARATUS & EQUIPMENT, FUSED

Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Gen Elec Co, Schenectady 5, N Y
Hanovia Chem & Mfg Co, Chestnut & R R Aves, Newark, N J
Nieder Fused Quartz Co, Babson Park Ave, Babson Park 57, Mass
Phoenix Precision Instruments, 383 N 5 St, Phila 40, Pa

QUARTZ, FUSED

Gen Elec Co, Schenectady 5, N Y
Hanovia Chem & Mfg Co, Chestnut & R R Aves, Newark, N J
Nieder Fused Quartz Co, Babson Park Ave, Babson Park 57, Mass
Phoenix Precision Instruments, 383 N 5 St, Phila 40, Pa
Jos F Uhrig Co, 4101-03 N 5 St, Phila 40, Pa

REACTORS

Acme Coppersmithing & Mach Co, Oreland, Pa
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Cochrane Corp, 3154 N 17 St, Phila 32, Pa
Gen Elec Co, Schenectady 5, N Y
Glascote Products, 20900 St Clair Ave, Cleveland 17, Ohio
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Lummus Co, 385 Madison Ave, N Y 17
New England Tank & Tower Co, Everett, Mass
H W North Co, E 13 & Parade Sts, Erie, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Wyssmont Co, 31-08 Northern Blvd, L I C 1, N Y

RECLAIMERS, WASTE HEAT

American District Steam Co, 380 Bryant St, N Tonawanda, N Y
Brown Fintube Co, Elyria, Ohio
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Taco Heaters, 137 South St, Providence 3, R I
Whitlock Mfg Co, 74 South St, Hartford 10, Conn

RECORDERS, CARBON DIOXIDE

Davis Emergency Equlpment Co, 43 Halleck St, Newark 4, N J
Hays Corp, E 8 St, Mich City, Ind
Leeds & Northrup Co, 4970 Stenton Ave, Phila 44, Pa
Permutit Co, 330 W 42 St, N Y 18
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Uehling Instrument Co, 468 Getty Ave, Paterson 3, N J

RECORDERS, CONDUCTIVITY

Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Bristol Co, Platts Mills, Waterbury, Conn
Davis Emergency Equipment Co, 43 Halleck St, Newark 4, N J
Esterline-Angus Co, P O Box 596, Indianapolis 6, Ind
Hays Corp, E 8 St, Mich City, Ind
Leeds & Northrup Co, 4970 Stenton Ave, Phila 44, Pa
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Will Corp, Rochester 3, N Y

RECORDERS, GAS ANALYSIS

Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Burrell Corp, 2223 5 Ave, Pittsburgh 19, Pa
Consolidated Engr Corp, 300 N Sierra Madre Villa, Pasadena 8, Cal
Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis
Davis Emergency Equipment Co, 43 Halleck St, Newark 4, N J
Hays Corp, E 8 St, Mich City, Ind
Leeds & Northrup Co, 4970 Stenton Ave, Phila 44, Pa
Mine Safety Appliance Co, Braddock Ave, Pittsburgh 8, Pa
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Permutit Co, 330 W 42 St, N Y 18
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Will Corp, Rochester 3, N Y

RECORDERS, HUMIDITY (WET AND DRY BULB)

American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
American Mach & Metals, 233 Broadway, N Y 7
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Bristol Co, Platts Mills, Waterbury, Conn
Leeds & Northrup Co, 4970 Stenton Ave, Phila 44, Pa
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Moeller Instrument Co, 132 St & 89 Ave, Richmond Hill 18, N Y
Powers Regulator Co, 2736 Greenview Ave, Chicago 14, Ill
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
Will Corp, Rochester 3, N Y

RECORDERS, LIQUID LEVEL

Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Barton Instrument Corp, 1429 S Eastern Ave, Los Angeles 22, Cal
Bristol Co, Platts Mills, Waterbury, Conn
Esterline-Angus Co, P O Box 596, Indianapolis 6, Ind
Fischer & Porter Co, Hatboro, Pa
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
Hays Corp, E 8 St, Mich City, Ind
Instruments Inc, Wright Bldg, Tulsa 3, Okla
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
United Engrs, 824 E 6 St, Tulsa, Okla
Yarnall-Waring Co, 102 E Mermaid Lane, Phila 18, Pa

RECORDERS, MINIATURE

Taylor Instrument Co, 95 Ames St, Rochester 1, N Y

RECORDERS, PRESSURE

American Mach & Metals, 233 Broadway, N Y 7
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Bristol Co, Platts Mills, Waterbury, Conn
Distillation Products Industries, Rochester 3, N Y
Esterline-Angus Co, P O Box 596, Indianapolis 6, Ind
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
Hays Corp, E 8 St, Mich City, Ind
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Powers Regulator Co, 2736 Greenview Ave, Chicago 14, Ill
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J

RECORDERS, SMOKE DENSITY

Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Bristol Co, Platts Mills, Waterbury, Conn
Ess Instrument Co, 96 S Washington Ave, Bergenfield, N J
Gen Elec Co, Schenectady 5, N Y
Leeds & Northrup Co, 4970 Stenton Ave, Phila 44, Pa
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa

RECORDERS, SPECIFIC GRAVITY

Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bristol Co, Platts Mills, Waterbury, Conn
Ess Instrument Co, 96 S Washington Ave, Bergenfield, N J
Fischer & Porter Co, Hatboro, Pa
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
Leeds & Northrup Co, 4970 Stenton Ave, Phila 44, Pa
Mine & Smelter Supply Co, 1322 17 St, Denver 17, Col
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y

RECORDERS, TEMPERATURE

American Mach & Metals, 233 Broadway, N Y 7
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Bristol Co, Platts Mills, Waterbury, Conn
Enthone Inc, 442 Elm St, New Haven, Conn
Fischer & Porter Co, Hatboro, Pa
Gen Elec Co, Schenectady 5, N Y
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
Leeds & Northrup Co, 4970 Stenton Ave, Phila 44, Pa
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Moeller Instrument Co, 132 St & 89 Ave, Richmond Hill 18, N Y
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Powers Regulator Co, 2736 Greenview Ave, Chicago 14, Ill
Pyrometer Instrument Co, Portland & Delport Aves, Bergenfield, N J
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
Wheelco Instruments Co, 847 W Harrison St, Chicago 7, Ill
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa

RECOVERY UNITS

*Babcock & Wilcox Co, 85 Liberty St, N Y 6

REDUCERS, SPEED

Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Cleveland Worm & Gear Co, 3288 80 St, Cleveland 4, Ohio
De Laval Steam Turbine Co, 853 Nottingham Way, Trenton 2, N J
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Falk Corp, 3100 W Canal St, Milwaukee 8, Wis
Foote Bros Gear & Mach Co, 4545 S Western Blvd, Chicago 9, Ill
Gen Elec Co, Schenectady 5, N Y
W A Jones Foundry & Mach Co, 4401 W Roosevelt Rd, Chicago 24, Ill
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa

REFINERY EQUIPMENT

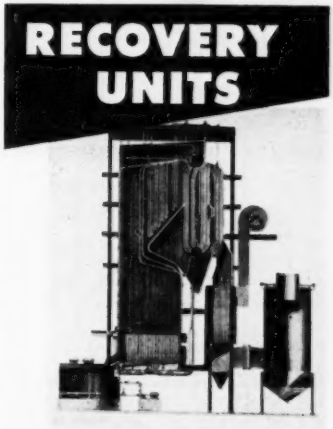
Acme Coppersmithing & Mach Co, Oreland, Pa
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Brown Fintube Co, Elyria, Ohio
Clark Bros Co, Olean, N Y
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Foster-Wheeler Corp, 165 Broadway, N Y 6
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Hodgson Engr & Mfg Co, 1507 E 7 St, Tulsa 10, Okla
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Koch Engrg Co, 335 W Lewis St, Wichita 2, Kan
Lummus Co, 385 Madison Ave, N Y 17
Oliver United Filters, 2900 Glascock St, Oakland 1, Cal
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa

REFRACTOMETERS

American Optical Co, 200 Mechanic St, Southbridge, Mass
Bausch & Lomb Optical Co, 635 St Paul St, Rochester 2, N Y
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Jarrell-Ash Co, 165 Newbury St, Boston 16, Mass
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Will Corp, Rochester 3, N Y

REFRACTORIES

Babcock & Wilcox, 85 Liberty St, N Y 6
Carborundum Co, Perth Amboy, N J
Cornhart Refractories Co, 16 & Lee Sts, Louisville 10, Ky
Denver Fire Clay Co, 2301 Blake St, Denver 17, Col
Gladding, McBean & Co, 2901 Los Feliz Blvd, Los Angeles 39, Cal
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
Kaiser Aluminum & Chem Sales, Kaiser Bldg, Oakland 12, Cal
Morganite Inc, 33-04 48 Ave, L I C 1, N Y
Mullite Refractories Co, 29 Canal, Shelton, Conn
North American Refractories Co, 1012 National City Bldg, E 6 St, Cleveland 14, Ohio
Norton Co, 1 New Bond St, Worcester 6, Mass
Refractory & Insulation Corp, 120 Wall t, N Y

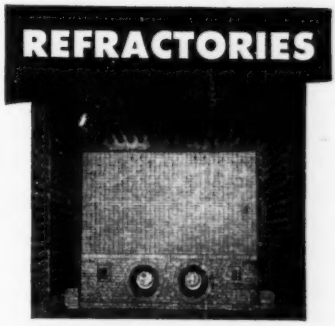


RECOVERY UNITS. High chemical recovery, dependable steam supply and wide operating flexibility are obtained at low operating cost with B&W Tomlinson Recovery Units.

THE BABCOCK & WILCOX CO.
85 LIBERTY STREET, NEW YORK 6, N. Y.

BABCOCK & WILCOX

AS—302



REFRACTORIES. B&W refractories are widely used in chemical process furnaces. Long life, low maintenance, fuel economy and continuous furnace operation account for their extensive use.

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B&W Alumul Firebrick • B&W 80 Firebrick
B&W Junior Firebrick • B&W Insulating Firebrick
B&W Refractory Castables, Plastics and Mortars

BABCOCK & WILCOX

THE BABCOCK & WILCOX CO.
Refractories Division
85 LIBERTY STREET, NEW YORK 6, N. Y. R-411

REFRIGERATING EQUIPMENT

Air Conditioning, York Co, York, Pa
Baker Refrigeration Corp, S Windham, Me
Bowser Inc, Terryville, Conn
Brunner Mfg Co, 1821 Broad St, Utica 1, N Y
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Curtis Mfg Co, 1905 Kienlen Ave, St Louis 20, Mo
Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Oscar Fisher Co, 1000 N Div St, Peekskill, N Y
Foster-Wheeler Corp, 165 Broadway, N Y 6
Frick Co, Waynesboro, Pa
Gen Elec Co, Schenectady 5, N Y
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Arthur D Little, Cambridge 42, Mass
Mario Coil Co, 6135 Manchester Ave, St Louis, Mo
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Tenney Engrg, 26 Ave B, Newark 5, N J
Vilter Mfg Co, 2117 S 1 St, Milwaukee 7, Wis
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio
Whitlock Mfg Co, 74 South St, Hartford 10, Conn

REGULATORS, AIR

Atlas Valve Co, 282 South St, Newark 2, N J
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Binks Mfg Co, 3114-40 Carroll Ave, Chicago 12, Ill
Black, Sivalls & Bryson Eng, 15 N Cincinnati St, Tulsa, Okla
Bristol Co, Platts Mills, Waterbury, Conn
Clark Mfg Co, 1830 E 38 St, Cleveland 14, Ohio
Doyle & Roth Mfg Co, Ft of 23 St, Bklyn, N Y
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
Kaye & MacDonald, 15 Central Ave, W Orange, N J
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Meter & Valve Div, 400 N Lexington, Pittsburgh 8, Pa
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
Mueller Co, 512 W Cerro Gordo St, Decatur 70, Ill
Powers Regulator Co, 2736 Greenview Ave, Chicago 14, Ill
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Schade Valve Mfg Co, 2527 N Bodine St, Phila 33, Pa
Spence Engrg Co, Walden, N Y
C E Squires Co, 18502 Syracuse Ave, Cleveland, Ohio
Stewart-Warner Corp, 1828 W Diversey Blvd, Chicago 14, Ill
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J

REGULATORS, DRAFT

Atlas Valve Co, 282 South St, Newark 2, N J
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Bristol Co, Platts Mills, Waterbury, Conn
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Perfex Corp, 500 W Oklahoma Ave, Milwaukee, Wis
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Spence Engrg Co, Walden, N Y
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J

REGULATORS, FEED WATER

Atlas Valve Co, 282 South St, Newark 2, N J
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Bristol Co, Platts Mills, Waterbury, Conn
Eclipse Engrg Co, 703 S Main St, Rockford, Ill
Hays Corp, E 8 St, Mich City, Ind
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
McDonnell & Miller, 3500 N Spaulding Ave, Chicago 18, Ill
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
Spence Engrg Co, Walden, N Y
C E Squires Co, 18502 Syracuse Ave, Cleveland, Ohio
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J

REGULATORS, GAS

Air Reduction Co, 60 E 42 St, N Y 17
American District Steam Co, 380 Bryant St, N Tonawanda, N Y
Atlas Valve Co, 282 South St, Newark 2, N J
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo

REGULATORS, GAS, continued

Bryant Industrial Div, 17825 St Clair Ave, Cleveland 10, Ohio
Clark Mfg Co, 1830 E 38 St, Cleveland 14, Ohio
Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Golden-Anderson Valve Specialty Co, 207 Keenan Bldg, Pittsburgh 22, Pa
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
Kaye & MacDonald, 15 Central Ave, W Orange, N J
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Linde Air Products Co, 30 E 42 St, N Y 17
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Matheson Co, 337 Paterson Plank Rd, E Rutherford, N J
Meter & Valve Div, 400 N Lexington, Pittsburgh 8, Pa
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Mueller Co, 512 W Cerro Gordo St, Decatur 70, Ill
North American Mfg Co, 4455 E 71 St, Cleveland 5, Ohio
Perfex Corp, 500 W Oklahoma Ave, Milwaukee, Wis
Spence Engrg Co, Walden, N Y
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
Will Corp, Rochester 3, N Y

REGULATORS, PRESSURE

American District Steam Co, 380 Byrant St, N Tonawanda, N Y
Atlas Valve Co, 282 South St, Newark 2, N J
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Binks Mfg Co, 3114-40 Carroll Ave, Chicago 12, Ill
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Bristol Co, Platts Mills, Waterbury, Conn
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gen Elec Co, Schenectady 5, N Y
Golden-Anderson Valve Specialty Co, 207 Keenan Bldg, Pittsburgh 22, Pa
Gray Co, 60 11 Ave N E, Minneapolis 31, Minn
Emil Greiner Co, 20-26 N Moore St, N Y 13
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
Hannifin Corp, 1138 S Kilbourn Ave, Chicago 24, Ill
Kaye & MacDonald, 15 Central Ave, W Orange N J
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
McDonnell & Miller, 3500 N Spaulding Ave, Chicago 18, Ill
Meter & Valve Div, 400 N Lexington, Pittsburgh 8, Pa
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
Mueller Co, 512 W Cerro Gordo St, Decatur 70, Ill
Perfex Corp, 500 W Oklahoma Ave, Milwaukee, Wis
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Powers Regulator Co, 2736 Greenview Ave, Chicago 14, Ill
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Schade Valve Co, 2527 N Bodine St, Phila 33, Pa
Spence Engrg Co, Walden, N Y
C E Squires Co, 18502 Syracuse Ave, Cleveland, Ohio
Strong, Carlisle & Hammond Co, 1395 W 3 St, Cleveland 13, Ohio
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark, N J
Will Corp, Rochester 3, N Y

REGULATORS, TEMPERATURE

American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
American Mach & Metals, 233 Broadway, N Y 7
Atlas Valve Co, 282 South St, Newark 2, N J
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Bristol Co, Platts Mills, Waterbury, Conn
Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Oscar Fisher Co, 1000 N Div St, Peekskill, N Y
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gen Elc Co, Schenectady 5, N Y
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Emil Greiner Co, 20-26 N Moore St, N Y 13
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
Hoskins Mfg Co, 4445 Lawton Ave, Detroit, Mich
Kaye & MacDonald, 15 Central Ave, W Orange, N J
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Leslie Co, Grant Ave, Lyndhurst, N J
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
Perfex Corp, 500 W Oklahoma Ave, Milwaukee, Wis
Powers Regulator Co, 2736 Greenview Ave, Chicago 14, Ill
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Sarco Co, 350 5 Ave, N Y 1
Spence Engrg Co, Walden, N Y
C E Squires Co, 18502 Syracuse Ave, Cleveland, Ohio
Sterling Inc, 3738 N Holton St, Milwaukee 12, Wis
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa
Will Corp, Rochester 3, N Y

REGULATORS, VOLTAGE

Sola Elec Co, 4633 W 16 St, Chicago 50, Ill
Sorensen & Co, 375 Fairfield Ave, Stamford, Conn

RELAYS, ELECTRIC

Allen-Bradley Co, 136 W Greenfield Ave, Milwaukee 4, Wis
American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
Automatic Swich Co, 391 Lakeside Ave, Orange, N J
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis
Gen Elec Co, Schenectady 5, N Y
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Emil Greiner Co, 20-26 N Moore St, N Y 13
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Mercoid Corp, 4201 Belmont Ave, Chicago 41, Ill
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Perfex Corp, 500 W Oklahoma Ave, Milwaukee, Wis
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
R-S Products Corp, 100 Berkley St, Phila, Pa
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J

RELAYS, TEMPERATURE CONTROL

American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Emil Greiner Co, 20-26 N Moore St, N Y 13
Gen Elec Co, Schenectady 5, N Y
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Perfex Corp, 500 W Oklahoma Ave, Milwaukee, Wis
Powers Regulator Co, 2736 Greenview Ave, Cicago 14, Ill
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
R-S Products Corp, 100 Berkley St, Phila, Pa
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa

RESPIRATORS

American Optical Co, 200 Mechanic St, Southbridge, Mass
Binks Mfg Co, 3114-40 Carroll Ave, Chicago 12, Ill
Chicago Eye Shield Co, 2304 Warren Bldg, Chicago, Ill
Goggle Parts Co, 1468 9 St, Cleveland 13, Ohio
Mine Safety Appliance Co, Braddock Ave, Pittsburgh 8, Mo
Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio
Willson Products, Reading, Pa

RETORTS, PROCESSING

American Brake Shoe Co, 230 Park Ave, N Y 17
Blaw-Knox Co, Blawnox, Pa
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Carborundum Co, Perth Amboy, N J
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Foster-Wheeler Corp, 165 Broadway, N Y 6
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa

RHEOSTATS

Allen-Bradley Co, 136 W Greenfield Ave, Milwaukee 4, Wis
Belke Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Gen Elec Co, Schenectady 5, N Y
Gen Radio Co, 275 Mass Ave, Cambridge 39, Mass
Hanson-Van Winkle-Munning Co, Matawan, N J
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa
Will Corp, Rochester 3, N Y

RINGS, RASCHIG

Illinois Elec Porcelain Co, Box 272, Macomb, Ill
Lapp Insulator Co, Le Roy, N Y
Scientific Glass Apparatus Co, Bloomfield, N J
U S Gasket Co, 610 N 10 St, Camden, N J
U S Stoneware Co, 60 E 42 St, N Y

RINSERS, BOTTLE

Karl Kiefer Mach Co, 919 Martin St, Cincinnati 2, Ohio

RINSERS, CAN

Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Karl Kiefer Mach Co, 919 Martin St, Cincinnati 2, Ohio
Metallogasket Co, 20 Bethany St, New Brunswick, N J

ROASTING MACHINES

Bauer Bros Co, 1727 Sheridan Ave, Springfield, Ohio
Vulcan Iron Works, 1730 Main St, Wilkes-Barre, Pa

ROD & TUBE, EXTRUDED

American Brass Co, Waterbury 20, Conn
American Hard Rubber Co, 11 Mercer St, N Y 13
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Armstrong Cork Co, 985 Concord Ave, Lancaster, Pa
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Colonial Alloys Co, Ridge Ave & Crawford St, Phila 29, Pa
E I Du Pont de Nemours & Co, Polychem Dept, Wilmington 98, Del
Harvey Mach Co, 19200 S Western Ave, Torrance, Cal
Irvington Varnish & Insulator Co, 6 Argyle Terrace, Irvington 11, N J
Kaiser Aluminum & Chem Sales, Kaiser Bldg, Oakland 12, Cal
Luzerne Rubber Co, Trenton 7, N J
Plax Corp, 450 Asylum St, Hartford 1, Conn
Reynolds Metals Co, 2500 S 3 St, Louisville 1, Ky

ROLLS, CRUSHING

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
Bonnot Co, Canton 2, Ohio
Denver Equipment Co, 1400 17 St, Denver 17, Col
Eimco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
International Engrg, Dayton 1, Ohio
Pennsylvania Crusher Co, 1721 Liberty Trust Bldg, Phila 7, Pa
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass
Traylor Engrg & Mfg Co, Allentown, Pa
U S Rubber Co, 1230 6 Ave, N Y 20

ROOFING

Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
W C Dillon & Co, 1421 S Circle Ave, Forest Park, Ill
Goetze Gasket & Packing Co, 45 Allen Ave, New Brunswick, N J
R C Mahon Co, 6565 E 8 Mile Rd, Detroit, Mich
Revere Copper & Brass, 230 Park Ave, N Y 17
Reynolds Metals Co, 2500 S 3 St, Louisville 1, Ky
Ruberoid Co, 500 5 Ave, N Y 18
Wheeling Steel Corp, Wheeling, W Va

ROTAMETERS

Fischer & Porter Co, Hatboro, Pa
Emil Greiner Co, 20-26 N Moore St, N Y 13
International Nickel Co, 67 Wall St, N Y 5
Jacoby-Tarbox Corp, 810 Nepperhan Ave, Yonkers 3, N Y
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa

SAMPLERS, AUTOMATIC

Denver Equipment Co, 1400 17 St, Denver 17, Col
Galigher Co, 545 W 8 South St, Salt Lake City 4, Utah
Hardinge Co, 240 Arch St, York, Pa
Lapp Insulator Co, Le Roy, N Y

SAND BLAST EQUIPMENT

American Wheelabrator & Equipment Corp, 827 S Byrkit St, Mishawaka, Ind
E D Bullard Co, 275 8 St, San Francisco 3, Cal
Pangborn Corp, 210 Pangborn Blvd, Hagerstown, Md
W W Sly Mfg Co, 4700 Train Ave, Cleveland 2, Ohio
Vapor Recovery Systems Co, 2820 N Alameda St, Compton 2, Cal

Carey

Asbestos-cement Corrugated Roofing and Siding • Asbestos Cements • Heat Insulations • Asbestos-cement Wallboard and Flat Sheathing • Carey Thermo-Bord (Insulated Sheathing) • Asbestos Millboard • Asbestos-cement and Asphalt Shingles and Siding.

FOR DATA ON SPECIFIC PRODUCTS, WRITE DEP'T CI-9

THE PHILIP CAREY MFG. CO.
Lockland, Cincinnati 15, Ohio
IN CANADA: The Philip Carey Co., Ltd. 277 Duke St., Montreal 3, P. Q.

SCALES

Christian Becker, Clifton, N J
Exact Weight Scale Co, 944 W 5 St, Columbus 8, Ohio
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Howe Scale Co, Rutland, Vt
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J
Streeter-Amet Co, 4101 Ravenswood Ave, Chicago 13, Ill
Torsion Balance Co, Clifton, N J

SCALES, AUTOMATIC

Consolidated Packaging Machy Corp, 1400 West Ave, Buffalo 13, N Y
W C Dillon & Co, 1421 S Circle Ave, Forest Park, Ill
Exact Weight Scale Co, 944 W 5 St, Columbus 8, Ohio
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Howe Scale Co, Rutland, Vt
Miller Wrapping & Sealing Mach Co, 18 S Clinton St, Chicago 6, Ill
Peerless Bread Machy Corp, Park St, Sidney, Ohio
Pneumatic Scale Corp, 68 Newport Ave, N Quincy 71, Mass
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J
Stokes & Smith Co, 5010 Summerdale Ave, Phila 24, Pa
Streeter-Amet Co, 4101 Ravenswood Ave, Chicago 13, Ill
Triangle Package Machy Co, 6633-55 W Diversey Ave, Chicago 35, Ill

SCALES, BAG FILLING

Consolidated Packaging Machy Corp, 1400 West Ave, Buffalo 13, N Y
Exact Weight Scale Co, 944 W 5 St, Columbus 8, Ohio
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Howe Scale Co, Rutland, Vt
Pneumatic Scale Corp, 68 Newport Ave, N Quincy 71, Mass
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J
St Regis Sales Corp, 230 Park Ave, N Y 17
Stokes & Smith Co, 5010 Summerdale Ave, Phila 24, Pa
Triangle Package Machy Co, 6633-55 W Diversey Ave, Chicago 35, Ill

SCALES, BARREL FILLING

Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Howe Scale Co, Rutland, Vt
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J

SCALES, BUILT-IN

Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Sam S Gelber Co, 162 N Clinton St, Chicago 6, Ill
Howe Scale Co, Rutland, Vt
Streeter-Amet Co, 4101 Ravenswood Ave, Chicago 13, Ill

SCALES, BULK

Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Sam S Gelber Co, 162 N Clinton St, Chicago 6, Ill
Howe Scale Co, Rutland, Vt
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J

SCALES, CONTINUOUS WEIGHING

Beaumont Birch Co, 1526 Race St, Phila 2, Pa
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Merrick Scale Mfg Co, 182 Autumn St, Passaic, N J
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
Omega Mach Co, 345 Harris Ave, Providence 1, R I
Pneumatic Scale Corp, 68 Newport Ave, N Quincy 71, Mass
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J
Schaffer Poidometer Co, 2828 Smallman St, Pittsburgh, Pa
Sintering Machy Corp, 70 Pine St, N Y 5
Triangle Package Machy Co, 6633-55 W Diversey Ave, Chicago 35, Ill
Wallace & Tiernan, 1 Main St, Belleville, N J

SCALES, CONVEYOR

Builders Providence, 345 Harris Ave, Providence 1, R I
W C Dillon & Co, 1421 S Circle Ave, Forest Park, Ill
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Merrick Scale Mfg Co, 182 Autumn St, Passaic, N J
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J
Schaffer Poidometer Co, 2828 Smallman St, Pittsburgh, Pa
Sintering Machy Corp, 70 Pine St, N Y 5

SCALES, COUNTING

Exact Weight Scale Co, 944 W 5 St, Columbus 8, Ohio
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Howe Scale Co, Rutland, Vt

SCALES, FLOOR

Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Streeter-Amet Co, 4101 Ravenswood Ave, Chicago 13, Ill

SCALES, HOPPER

Bodinson Mfg Co, 2401 Bayshore Blvd, San Francisco 24, Cal
Exact Weight Scale Co, 904 W 5 St, Columbus 8, Ohio
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Sam S Gelber Co, 162 Clinton St, Chicago 6, Ill
Howe Scale Co, Rutland, Vt
Peerless Bread Machy Corp, Park St, Sidney, Ohio
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J
Streeter-Amet Co, 4101 Ravenswood Ave, Chicago 13, Ill



SCALES, LABORATORY

Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Christian Becker, Clifton, N J
Consolidated Packaging Machy Corp, 1400 West Ave, Buffalo 13, N Y
Eberbach Corp, 200 E Liberty St, Ann Arbor, Mich
Exact Weight Scale Co, 944 W 5 St, Columbus 8, Ohio
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Arthur H Thomas Co, 230 S 7 St, Phila, Pa
Torsion Balance Co, Clifton, N J
Will Corp, Rochester 3, N Y

SCALES, LIQUID WEIGHING

W C Dillon & Co, 1421 S Circle Ave, Forest Park, Ill
Exact Weight Scale Co, 944 W 5 St, Columbus 8, Ohio
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
King Engrg Corp, 415 Detroit St, Ann Arbor, Mich
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J

SCALES, PACKING

Exact Weight Scale Co, 944 W 5 St, Columbus 8, Ohio
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Howe Scale Co, Rutland, Vt
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J

SCALES, PLATFORM

Exact Weight Scale Co, 944 W 5 St, Columbus 8, Ohio
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Howe Scale Co, Rutland, Vt
Streeter-Amet Co, 4101 Ravenswood Ave, Chicago 13, Ill

SCALES, PORTABLE

Exact Weight Scale Co, 944 W 5 St, Columbus 8, Ohio
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Howe Scale Co, Rutland, Vt
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J
Streeter-Amet Co, 4101 Ravenswood Ave, Chicago 13, Ill

SCALES, PROPORTIONING

Exact Weight Scale Co, 944 W 5 St, Columbus 8, Ohio
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Howe Scale Co, Rutland, Vt
Omega Mach Co, 345 Harris Ave, Providence 1, R I
Proportioneers Inc, 406 Harris Ave, Providence 1, R I
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J
Schaffer Poidometer Co, 2828 Smallman St, Pittsburgh, Pa
Sintering Machy Corp, 70 Pine St, N Y 5
Wallace & Tiernan, 1 Main St, Belleville, N J

SCALES, RECORDING

W C Dillon & Co, 1421 S Circle Ave, Forest Park, Ill
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Howe Scale Co, Rutland, Vt
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J
Sintering Machy Corp, 70 Pine St, N Y 5
Streeter-Amet Co, 4101 Ravenswood Ave, Chicago 13, Ill

SCALES, REMOTE INDICATING

Exact Weight Scale Co, 904 W 5 St, Columbus 8, Ohio
Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Howe Scale Co, Rutland, Vt
King Engrg Corp, 415 Detroit St, Ann Arbor, Mich
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J
Sintering Machy Corp, 70 Pine St, N Y 5
Streeter-Amet Co, 4101 Ravenswood Ave, Chicago 13, Ill

SCALES, TANK

Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J
Streeter-Amet Co, 4101 Ravenswood Ave, Chicago 13, Ill

SCALES, TOTALIZING

Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Howe Scale Co, Rutland, Vt
Sintering Machy Corp, 70 Pine St, N Y 5
Streeter-Amet Co, 4101 Ravenswood Ave, Chicago 13, Ill

SCALES, TRACK

Fairbanks Morse & Co, 600 S Mich Ave, Chicago 5, Ill
Streeter-Amet Co, 4101 Ravenswood Ave, Chicago 13, Ill

SCREENS, CONVEYOR

George Haiss Mfg Co, 381 Canal Pl, Bronx 51, N Y
Hendrick Mfg Co, 75 Dundaff St, Carbondale, Pa
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill

SCREENS, CYLINDRICAL

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Bodinson Mfg Co, 2401 Bayshore Blvd, San Francisco 24, Cal
Colonial Alloys Co, Ridge Ave & Crawford St, Phila 29, Pa
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Hendrick Mfg Co, 75 Dundaff St, Carbondale, Pa
C O Jelliff Mfg Corp, 200 Pequot Rd, Southport, Conn
McNally-Pittsburg Mfg Co, Pittsburg, Kan
Mercer-Robinson Co, 30 Church St, N Y 7
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
W S Tyler Co, 3615 Superior Ave, Cleveland 14, Ohio

SCREENS, FILTER

Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
Cambridge Wire Cloth Co, 1518 Washington Blvd, Cambridge, Md
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Colorado Fuel & Iron Corp, P O Box 1920, Denver 1, Col
Enzinger Union Corp, Angola, N Y
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Hendrick Mfg Co, 75 Dundaff St, Carbondale, Pa
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
C O Jelliff Mfg Corp, 200 Pequot Rd, Southport, Conn
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Mercer-Robinson Co, 30 Church St, N Y 7
Metal Products Corp, 50 W 19 St, Weehawken, N J
Mich Wire Cloth Co, 2055 Howard St, Detroit 16, Mich
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
W S Tyler Co, 3615 Superior Ave, Cleveland 14, Ohio
Winslow Engrg Co, 4069 Hollis St, Oakland, Cal

SCREENS, FLAT

Bodinson Mfg Co, 2401 Bayshore Blvd, San Francisco 24, Cal
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Hendrick Mfg Co, 75 Dundaff St, Carbondale, Pa
C O Jelliff Mfg Corp, 200 Pequot Rd, Southport, Conn
Mercer-Robinson Co, 30 Church St, N Y 7
Metal Products Corp, 50 W 19 St, Weehawken, N J
Mich Wire Cloth Co, 2055 Howard St, Detroit 16, Mich
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
D J Murray Mfg Co, 1002-1024 3 St, Wausau, Wis
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
Orville Simpson Co, 1230 Knowlton St, Cincinnati 23, Ohio
W S Tyler Co, 3615 Superior Ave, Cleveland 14, Ohio

SCREENS, GYRATORY

J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
Great Western Mfg Co, Leavenworth, Kan
Hendrick Mfg Co, 75 Dundaff St, Carbondale, Pa
Mercer-Robinson Co, 30 Church St, N Y 7
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
Parten Mach Co, 311 Portland Ave, Minneapolis 15, Minn
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Orville Simpson Co, 1230 Knowlton St, Cincinnati 23, Ohio
Smith Engrg Works, 532 E Capitol Dr, Milwaukee 12, Wis
W S Tyler Co, 3615 Superior Ave, Cleveland 14, Ohio

SCREENS, INTAKE WATER

Andale Co, 1740 Cherry St, Phila 3, Pa
Cambridge Wire Cloth Co, 1518 Washington Blvd, Cambridge, Md
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
C O Jelliff Mfg Corp, 200 Pequot Rd, Southport, Conn
Link-Belt Co, 3405 S Ave S, Seattle 4, Wash
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
W S Tyler Co, 3615 Superior Ave, Cleveland 14, Ohio

SCREENS, LABORATORY

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Exolon Co, 948 E Niagara St, Tonawanda, N Y
Great Western Mfg Co, Leavenworth, Kan
Hendrick Mfg Co, 75 Dundaff St, Carbondale, Pa
C O Jelliff Mfg Corp, 200 Pequot Rd, Southport, Conn
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Metal Products Corp, 50 W 19 St, Weehawken, N J
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass
W S Tyler Co, 3615 Superior Ave, Cleveland 14, Ohio
Will Corp, Rochester 3, N Y

SCREENS, LIQUID

Great Western Mfg Co, Leavenworth, Kan
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
C O Jelliff Mfg Corp, 200 Pequot Rd, Southport, Conn
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Metal Products Corp, 50 W 19 St, Weehawken, N J
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
W S Tyler Co, 3615 Superior Ave, Cleveland 14, Ohio

SCREENS, PERFORATED METAL

G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Bauer Bros Co, 1727 Sheridan Ave, Springfield, Ohio
Bodinson Mfg Co, 2401 Bayshore Blvd, San Francisco 24, Cal
Colorado Fuel & Iron Corp, P O Box 1920, Denver 1, Col
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Hendrick Mfg Co, 75 Dundaff St, Carbondale, Pa
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Littleford Bros, 453 Pearl St, Cincinnati 2, Ohio
Metal Products Corp, 50 W 19 St, Weehawken, N J
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
Smith Engrg Works, 532 E Capitol Dr, Milwaukee 12, Wis
Williams Patent Crusher & Pulverizer Co, 813 Montgomery St, St Louis, Mo

SCREENS, REVOLVING

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Bird Mach Co, S Walpole, Mass
Bodinson Mfg Co, 2401 Bayshore Blvd, San Francisco 24, Cal
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Hendrick Mfg Co, 75 Dundaff St, Carbondale, Pa
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 S Ave S, Seattle 4, Wash
Lippman Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Mercer-Robinson Co, 30 Church St, N Y 7
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Smith Engrg Works, 532 E Capitol Dr, Milwaukee 12, Wis
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
W S Tyler Co, 3615 Superior Ave, Cleveland 14, Ohio
Universal Engrg Corp, 625 C Ave N W, Cedar Rapids, Iowa
Universal Rd Mach Co, Emerick St, Kingston, N Y
Wedge Bar Screen Corp, 2006 Bayport Pl, Far Rockaway, N Y

SCREENS, SEWAGE

Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Chicago Pump Co, 2336 Wolfram St, Chicago 18, Ill
Farval Corp, 3249 E 80 St, Cleveland 4, Ohio
Hendrick Mfg Co, 75 Dundaff St, Carbondale, Pa
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 S Ave S, Seattle 4, Wash
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
Productive Equipment Corp, 2926 W Lake St, Chicago, Ill
Orville Simpson Co, 1230 Knowton St, Cincinnati 23, Ohio
W S Tyler Co, 3615 Superior Ave, Cleveland 14, Ohio
Wedge Bar Screen Corp, 2006 Bayport Pl, Far Rockaway, N Y

SCREENS, TESTING

Denver Equipment Co, 1400 17 St, Denver 17, Col
Great Western Mfg Co, Leavenworth, Kan
Hendrick Mfg Co, 75 Dundaff St, Carbondale, Pa
Metal Products Corp, 50 W 19 St, Weehawken, N J
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
Productive Equipment Corp, 2926 W Lake St, Chicago, Ill
W S Tyler Co, 3615 Superior Ave, Cleveland 14, Ohio
Wedge Bar Screen Corp, 2006 Bayport Pl, Far Rockaway, N Y

SCREENS, VIBRATING

Acme Coppersmithing & Mach Co, Oreland, Pa
Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Barber-Greene Co, 631 W Park St, Aurora, Ill
Bird Mach Co, S Walpole, Mass
Bodinson Mfg Co, 2401 Bayshore Blvd, San Francisco 24, Cal
Colorado Fuel & Iron Corp, P O Box 1920, Denver 1, Col
Denver Equipment Co, 1400 17 St, Denver 17, Col
Exolon Co, 948 E Niagara St, Tonawanda, N Y
Great Western Mfg Co, Leavenworth, Kan
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Hendrick Mfg Co, 75 Dundaff St, Carbondale, Pa
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J

SCREENS, VIBRATING, continued

E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Mercer-Robinson Co, 30 Church St, N Y 7
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
Nordberg Mfg Co, Milwaukee 7, Wis
Oliver United Filters 2900 Glascock St, Oakland 1, Cal
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Productive Equipment Corp, 2926 W Lake St, Chicago, Ill
Read Standard Corp, York, Pa
Orville Simpson Co, 1230 Knowlton St, Cincinnati 23, Ohio
Smith Engrg Works, 532 E Capitol Dr, Milwaukee 12, Wis
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass
Syntron Co, 421 Lexington Ave, Homer City, Pa
W S Tyler Co, 3615 Superior Ave, Cleveland 14, Ohio
Universal Engrg Corp, 625 C Ave N W, Cedar Rapids, Iowa
Wedge Bar Screen Corp, 2006 Bayport Pl, Far Rockaway, N Y
Williams Patent Crusher & Pulverizer Co, 813 Montgomery St, St Louis, Mo

SCREENS, WASHING

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Bodinson Mfg Co, 2401 Bayshore Blvd, San Francisco 24, Cal
Cambridge Wire Cloth Co, 1518 Washington Blvd, Cambridge, Md
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Colorado Fuel & Iron Corp, P O Box 1920, Denver 1, Col
Denver Equipment Co, 1400 17 St, Denver 17, Col
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
Hendrick Mfg Co, 75 Dundaff St, Carbondale, Pa
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
Nordberg Mfg Co, Milwaukee 7, Wis
Productive Equipment Corp, 2926 W Lake St, Chicago, Ill
Orville Simpson Co, 1230 Knowlton St, Cincinnati 23, Ohio
Smith Engrg Works, 532 E Capitol Dr, Milwaukee 12, Wis
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
W S Tyler Co, 3615 Superior Ave, Cleveland 14, Ohio
Universal Rd Mach Co, Emerick St, Kingston, N Y
Wedge Bar Screen Corp, 2006 Bayport Pl, Far Rockaway, N Y

SCREENS, WEDGE SLOT

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Cambridge Wire Cloth Co, 1518 Washington Blvd, Cambridge, Md
Hendrick Mfg Co, 75 Dundaff St, Carbondale, Pa
Wedge Bar Screen Corp, 2006 Bayport Pl, Far Rockaway, N Y

SCREENS, WIRE

Cambridge Wire Cloth Co, 1518 Washington Blvd, Cambridge, Md
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Colonial Alloys Co, Ridge Ave & Crawford St, Phila 29, Pa
Colorado Fuel & Iron Corp, P O Box 1920, Dnever 1, Col
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
C O Jelliff Mfg Corp, 200 Pequot Rd, Southport, Conn
Ludlow-Saylor Wire Co, 634 S Newstead Ave, St Louis 10, Mo
Metal Products Corp, 50 W 19 St, Weehawken, N J
Mich Wire Cloth Co, 2055 Howard St, Detroit 16, Mich
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
Newark Wire Cloth Co, 351 Verona Ave, Newark 4, N J
John A Roebling's Sons Co, 640 S Broad St, Trenton 2, N J
W S Tyler Co, 3615 Superior Ave, Cleveland 14, Ohio
Otto H York Co, 69 Glenwood Pl, E Orange, N J

SCRUBBERS, AIR

Acme Coppersmithing & Mach Co, Oreland, Pa
Artisan Metal Product, 73 Pond St, Waltham 54, Mass
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Chem Engrg Service, 3741/2 Washington, Green Bay, Wis
Day Co, 810 3 Ave N E, Minneapolis 13, Minn
Claude B Schneible Co, 2831 25 St, Detroit 16, Mich
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio

SCRUBBERS, GAS

Acme Coppersmithing & Mach Co, Oreland, Pa
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Blaw-Knox Co, Blawnox, Pa
British-American Carbon Corp, 118 E 48 St, N Y
Chem Engrg Service, 3741/2 Washington, Green Bay, Wis
Eimco Corp 634 S 4 W St, Salt Lake City 4, Utah
Electrochem Construction Co, 18 E 41 St, N Y 17
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Falls Industries, Aurora Rd, Solon, Ohio
Gasoline Plant Construction Corp, Neils Esperson Bldg, Houston 2 Tex
International Packing Corp, Bristol, N H
S P Kinney Engrs, 201 2 Ave, Carnegie, Pa
Koppers Co, Koppers Bldg, Pittsburgh 19, Pa
J F Pritchard & Co, 908 Grand Ave, Kansas City 6, Mo
Claude B Schneible Co, 2831 25 St, Detroit 16, Mich
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Union Iron Works, 15 & Cascade Sts, Erie, Pa
Winslow Engrg Co, 4069 Hollis St, Oakland, Cal

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Ohio Corrugating Co, Warren, Ohio

SEALS, MECHANICAL

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Food Mach & Chem Corp, 301 West Ave 26, Los Angeles, Cal
Garlock Packing Co, Palmyra, N Y
Graphite Metallizing Corp, 1008 Nepperhan Ave, Yonkers, N Y
Graton & Knight Co, 356 Franklin St, Worcester 4, Mass
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Syntron Co, 421 Lexington Ave, Homer City, Pa

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Airborne Conveyors Corp, 99 Hudson St, N Y 13
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Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Bowser Inc, 1307 E Creighton Ave, Fort Wayne, Ind
Clark Mfg Co, 1830 E 38 St, Cleveland 14, Ohio
Cochrane Corp, 3154 N 17 St, Phila 32, Pa
Combustion Engrg-Superheater, 1308 N Branch St, Chicago 22, Ill
Cornell Mach Co, 99 Wall St, N Y
Dracco Corp, 4063 E 116 St, Cleveland 5, Ohio
Kaye & MacDonald, 15 Central Ave, W Orange, N J
Logan Engrg Co, 4901 Lawrence Ave, Chicago 30, Ill
Parten Mach Co, 311 Portland Ave, Minneapolis 15, Minn
Pulverizing Machy Co, Catham Rd, P O Box 569, Summit, N J
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
Wm W Stanley, 401 Broadway, N Y
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Sturtevant Mill Co, 103 Clayton St, Boston 22, Mass
Universal Rd Mach Co, Emerick St, Kingston, N Y

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Bird Mach Co, S Walpole, Mass
Buell Engrg C, 70 Pine St, N Y 5
Fletcher Works, Glenwood Ave & 2 St, Phila 40, Pa
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
Merco Centrifugal Co, 1045 Sansome St, San Francisco 11, Cal
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
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Ultrasonic Corp, 63 Rogers St, Cambridge, Mass
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Buell Engrg Co, 70 Pine St, N Y 5
Day Co, 810 3 Ave N E, Minneapolis 13, Minn
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Ultrasonic Corp, 63 Rogers St, Cambridge, Mass

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Logan Engrg Co, 4901 Lawrence Ave, Chicago 30, Ill
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
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J F Pritchard & Co, 908 Grand Ave, Kansas City 6, Mo
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Strong, Carlisle & Hammond Co, 1392 W 3 St, Cleveland 13, Ohio
Ultrasonic Corp, 63 Rogers St, Cambridge, Mass
U S Pipe & Foundry Co, Pearl St, Burlington, N J
Wurster & Sanger, 5201 S Kenwood Ave, Chicago 15, Ill
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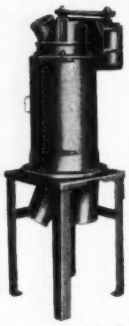
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Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
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Falls Industries, Aurora Rd, Solon, Ohio
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Strong, Carlisle & Hammond Co, 1392 W 3 St, Cleveland 13, Ohio
Otto H York Co, 69 Glenwood Pl, E Orange, N J

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Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis
Eriez Mfg Co, 629 Commerce Bldg, Erie, Pa
Exolon Co, 948 E Niagara St, Tonawanda, N Y
Homer Mfg Corp, 142 Pearl St, Lima, Ohio
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Magnetic Engrg & Mfg Co, Clifton, N J
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
Stearns Magnetic Mfg Co, 672 S 28 St, Milwaukee 46, Wis
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
U S Hoffman Machy Corp, 105 4 Ave, N Y 3

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Cochrane Corp, 3154 N 17 St, Phila 32, Pa
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Frick Co, Waynesboro, Pa
Graver Water Conditioning Co, 216 W 14 St, N Y 11
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Strong, Carlisle & Hammond Co, 1394 W 3 St, Cleveland 13, Ohio
Winslow Engrg Co, 4069 Hollis St, Oakland, Cal
J A Zurn Mfg Co, 1801 Pittsburgh Ave, Erie, Pa

SEPARATORS, STEAM

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Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Clark Mfg Co, 1830 E 38 St, Cleveland 14, Ohio
Cochrane Corp, 3154 N 17 St, Phila 32, Pa
Hagan Corp, Hagan Bldg, 323 4 Ave, Pittsburgh 30, Pa
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Strong, Carlisle & Hammond Co, 1392 W 3 St, Cleveland 13, Ohio
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E D Bullard Co, 275 8 St, San Francisco 3, Cal
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Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio
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Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
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Jackson & Church Co, 321 W Hamilton St, Saginaw, Mich
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Mercer-Robinson Co, 30 Church St, N Y 7
Pennsylvania Crusher Co, 1721 Liberty Trust Bldg, Phila 7, Pa
Williams Patent Crusher & Pulverizer Co, 813 Montgomery St, St Louis, Mo

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Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
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Hendrick Mfg Co, 75 Dundaff St, Carbondale, Pa
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Newark Wire Cloth Co, 351 Verona Ave, Newark 4, N J
Precison Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Syntron Co, 421 Lexington Ave, Homer City, Pa
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Mercer-Robinson Co, 30 Church St, N Y 7
Parten Mach Co, 311 Portland Ave, Minneapolis 15, Minn
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Read Standard Corp, York, Pa
Orville Simpson Co, 1230 Knowlton St, Cincinnati 23, Ohio
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B F Gump Co, 1347 S Cicero Ave, Chicago 50, Ill
Mercer-Robinson Co, 30 Church St, N Y 7
Metal Products Corp, 50 W 19 St, Weehawken, N J
Read Standard Corp, York, Pa
Orville Simpson Co, 1230 Knowlton St, Cincinnati 23, Ohio
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
W S Tyler Co, 3615 Superior Ave, Cleveland 14, Ohio
Wallace & Tiernan, 1 Main St, Belleville, N J
Wedge Bar Screen Corp, 2006 Bayport Pl, Far Rockaway, N Y

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Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Mercer-Robinson Co, 30 Church St, N Y 7
Parten Mach Co, 311 Portland Ave, Minneapolis 15, Minn
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Read Standard Corp, York, Pa
W S Tyler Co, 3615 Superior Ave, Cleveland 14, Ohio
Wallace & Tiernan, 1 Main St, Belleville, N J
Wedge Bar Screen Corp, 2006 Bayport Pl, Far Rockaway, N Y
Will Corp, Rochester 3, N Y

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Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio

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Neff & Frey Co, 164 Elm St, Camden, Ohio

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Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Kewaunee Mfg Co, Adrian, Mich
Lab Furniture Co, P O Box 590, Mineola, N Y
Metal Products Corp, 50 W 19 St, Weehawken, N J
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
Schnitzer Alloy Products Co, 631 Pine St, Elizabeth, N J
U S Stoneware Co, 60 E 42 St, N Y

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Duriron Co, 450 N Finley St, Dayton 1, Ohio
Oscar Fisher Co, 1000 N Division St, Peekskill, N Y
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Kewaunee Mfg Co, Adrian, Mich
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Lab Furniture Co, P O Box 590, Mineola, N Y
Metal Products Corp, 50 W 19 St, Weehawken, N J
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
U S Stoneware Co, 60 E 42 St, N Y

SIPHONS, ACID

Hanson-Van Winkle-Munning Co, Matawan, N J
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
Industrial Products Co, 3015 N 4 St, Phila 33, Pa
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Phoenix Precision Instruments, 3803 N 5 St, Phila 40 Pa

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H S Martin & Co, 1916 Greenleaf Ave, Evanston, Ill
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Scientific Glass Apparatus Co, Bloomfield, N J

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Lewis-Shepard Products, 119 Walnut St, Watertown 72, Mass
National Box & Lumber Co, 222 Pacific St, Newark 5, N J
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Union Metal Mfg Co, 1432 Maple Ave N E, Canton, Ohio
West Bend Equipment Co, West Bend, Wis

SLEEVE GUARD, VINYL PLASTIC

Pelamay Products, 629 2 Ave, N Y 16

SOFTENERS, WATER

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Cochrane Corp, 3154 N 17 St, Phila 32, Pa
Dorr Co, Barry Pl, Stamford, Conn
Elgin Softener Corp, Elgin, Ill
Foster-Wheeler Corp, 165 Broadway, N Y 6
Illinois Water Treatment Co, 858 Cedar St, Rockford, Ill
Infilco Inc, Box 5033, Tucson, Ariz
Permutit Co, 330 W 42 St, N Y 18

SOLDERS

Belmont Smelting & Refining Co, 323 Belmont Ave, Bklyn 7, N Y
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Handy & Harman, 82 Fulton St, N Y 38
Linde Air Products Co, 30 E 42 St, N Y 17
Republic Metals Co, 273 Green St, Bklyn, N Y

SOLVENT RECOVERY APPARATUS

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
J B Beaird Co, 6200 St Vincent Ave, Shreveport, La
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Bristol Co, Platts Mills, Waterbury, Conn
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
Foster-Wheeler Corp, 165 Broadway, N Y 6
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Koch Engrg Co, 335 W Lewis St, Wichita 2, Kan
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Selas Corp of America, Erie Ave & D St, Phila 34, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
U S Hoffman Machy Co, 105 4 Ave, N Y 3
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Wurster & Sanger, 5201 S Kenwood Ave, Chicago 15, Ill

SPECTROGRAPHS

Bausch & Lomb Optical Co, 635 St Paul St, Rochester 2, N Y
Jarrell-Ash Co, 165 Newbury St, Boston 16, Mass

SPECTROMETERS, MASS

American Optical Co, 200 Mechanic St, Southbridge, Mass
Bausch & Lomb Optical Co, 635 St Paul St, Rochester 2, N Y
Consolidated Engr Corp, 300 N Sierra Madre Villa Pasadena 8, Cal
Gen Elec Co, Schenectady 5, N Y
Jarrel-Ash Co, 165 Newbury St, Boston 16, Mass
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
North American Philips Co, 750 S Fulton Ave, Mt Vernon, N Y
Will Corp, Rochester 3, N Y

SPECTROPHOTOMETERS

American Optical Co, 200 Mechanic St, Southbridge, Mass
Jarrell-Ash Co, 165 Newbury St, Boston 16, Mass
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Macbeth Corp, P O Box 950, Newburgh, N Y
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Perkin-Elmer Corp, Norwalk, Conn
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Radio Corp of America, Camden, N J
Arthur H Thomas Co, 230 S 7 St, Phila, Pa
Wilkens-Anderson Co, 4525 W Division St, Chicago 51, Ill

SPECTROPHOTOMETERS, PHOTOELECTRIC

American Optical Co, 200 Mechanic St, Southbridge, Mass
Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Coleman Instruments, 318 Madison Ave, Maywood, Ill
Gen Elec Co, Schenectady 5, N Y
Jarrel-Ash Co, 165 Newbury St, Boston 16, Mass
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Macbeth Corp, P O Box 950, Newburgh, N Y
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Perkin-Elmer Corp, Norwalk, Conn
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Radio Corp of America, Camden, N J
Arthur H Thomas Co, 230 S 7 St, Phila, Pa
Wilkens-Anderson Co, 4525 W Division St, Chicago 51, Ill
Will Corp, Rochester 3, N Y

SPECTROPHOTOMETERS, RECORDING

Gen Elec Co, Schenectady 5, N Y
Jarrel-Ash Co, 165 Newbury St, Boston 16, Mass
Leeds & Northrup Co, 4970 Stenton Ave, Phila 44, Pa
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Perkin-Elmer Corp, Norwalk, Conn
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Radio Corp of America, Camden, N J
Wilkens-Anderson Co, 4525 W Division St, Chicago 51, Ill
Will Corp, Rochester 3, N Y

SPEED CHANGERS

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Gen Elec Co, Schenectady 5, N Y
Lima Elec Co, Findlay Rd, Lima, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill

SPRAYERS, AIR PRESSURE

Anthony Co, 47-33 5 St, L I C 1, N Y
Binks Mfg Co, 3114 Carroll Ave, Chicago 12, Ill

SPRAYERS, STEAM PRESSURE

American Brake Shoe Co, 230 Park Ave, N Y 17
Anthony Co, 47-33 5 St, L I C 1, N Y
Besler Corp, 4053 Harlan St, Emeryville, Cal
Fumeral Co, P O Box 239, Racine, Wis
Sellers Injector Corp, 1600 Hamilton St, Phila 30, Pa

SPRAYING MACHINES

John Bean Co, 1305 S Cedar St, Lansing 4, Mich
Besler Corp, 4053 Harlan St, Emeryville, Cal
Binks Mfg Co, 3114 Carroll Ave, Chicago 12, Ill
Burgess Vibrocrafters, 180 N Wabash Ave, Chicago, Ill
Gray Co, 60 11 Ave N E, Minneapolis 31, Minn
Spray Engrg Co, 114 Central St, Somerville 45, Mass
Wall-Colmonoy, 19345 John R St, Detroit 3, Mich

SPROCKET WHEELS

G O Barlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Beaumont Birch Co, 1526 Race St, Phila 2, Pa
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Continental Gin Co, P O Box 2416, Birmingham 2, Ala
Diamond Chain Co, 400 Kentucky Ave, Indianapolis 7, Ind
Great Western Mfg Co, Leavenworth, Kan
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Stephens-Adamson Mfg Co, 2227 E 37 St, Los Angeles 11, Cal
Union Chain & Mfg Co, 1936 Emmens St, Sandusky, Ohio
Whitney Chain & Mfg Co, 237 Whitney St, Hartford 2, Conn

STACKING MACHINERY

Economy Engrg Co, 4523 W Lake St, Chicago 23, Ill
A B Farquhar Corp, 142 N Duke St, York, Pa
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
E C Horne Machy Co, 17 & Curtis St, Dever 2, Col
E F Marsh Engrg Co, 4324 W Clayton St, St Louis 10, Mo
H W North Co, E 13 & Parade Sts, Erie, Pa
Revolvator Co, 2019 86 St, N Bergen, N J

STARTERS, MOTOR

Appleton Elec Co, 1713 W Wellington Ave, Chicago 11, Ill
Gen Elec Co, Schenectady 5, N Y
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa

STEEL, CHROME

Allegheny Ludlum Steel Corp, 2020 Oliver Bldg, Pittsburgh 22, Pa
American Steel & Wire Co, 614 Superior Ave N W, Cleveland 13, Ohio
Bethlehem Steel Co, Bethlehem, Pa
Carpenter Steel Co, 101 Bern St, Reading, Pa
Lebanon Steel Foundry, Lebanon, Pa
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
Sharon Steel Corp, Sharon, Pa
Timken Roller Bearing Co, 1835 Dueber Ave S W, Canton 6, Ohio
U S Steel Co, 525 Wm Penn Pl, Pittsburgh 30, Pa
Washington Steel Corp, Washington, Pa

STEEL, CHROMIUM-NICKEL

Allegheny Ludlum Steel Corp, 2020 Oliver Bldg, Pittsburgh 22, Pa
American Brake Shoe Co, 230 Park Ave, N Y 17
American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
American Steel & Wire Co, 614 Superior Ave N W, Cleveland 13, Ohio
Armco Steel Corp, 703 Curtis St, Middletown, Ohio
Bethlehem Steel Co, Bethlehem, Pa
Carpenter Steel Co, 101 Bern St, Reading, Pa
Eastern Stainless Steel Co, 122 Rolling Mill Ave, Baltimore 3, Md
Gen Alloys Co, 405 W 1 St, Boston, Mass
Lebanon Steel Foundry, Lebanon, Pa
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
Sharon Steel Corp, Sharon, Pa
Timken Roller Bearing Co, 1835 Dueber Ave S W, Canton 6, Ohio
U S Steel Co, 525 Wm Penn Pl, Pittsburgh 30, Pa
U S Steel Supply Co, 208 LaSalle St, Chicago 4, Ill
Washington Steel Corp, Washington, Pa
Wiley Alloy Tube Co, 600 W 138 St, Riverdale, Ill

STEEL, STAINLESS

Allegheny Ludlum Steel Corp, 2020 Oliver Bldg, Pittsburgh 22, Pa
American Brake Shoe Co, 230 Park Ave, N Y 17
American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
American Steel & Wire Co, 614 Superior Ave N W, Cleveland 13, Ohio
Armco Steel Corp, 703 Curtis St, Middletown, Ohio
G O Carlson, Thorndale, Pa
Carpenter Steel Co, 101 Bern St, Reading, Pa
Crucible Steel Co of America, 405 Lexington Ave, N Y 17
Duraloy Co, Scottdale, Pa
Eastern Stainless Steel Co, 122 Rolling Mill Ave, Baltimore 3, Md
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Gen Alloys Co, 405 W 1 St, Boston, Mass
Lebanon Steel Foundry, Lebanon, Pa
Republic Steel Corp, Republic Bldg, Cleveland 1, Ohio
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
Sharon Steel Corp, Sharon, Pa
Timken Roller Bearing Co, 1835 Dueber Ave S W, Canton 6, Ohio
U S Pipe & Foundry Co, Burlington, N J
U S Steel Co, 525 Wm Penn Pl, Pittsburgh 30, Pa
U S Steel Supply Co, 208 LaSalle St, Chicago 4, Ill
Washington Steel Corp, Washington, Pa
Wiley Alloy Tube Co, 600 W 138 St, Riverdale, Ill

STEEL, STAINLESS CLAD

Allegheny Ludlum Steel Corp, 2020 Oliver Bldg, Pittsburgh 22, Pa
G O Carlson, Thorndale, Pa
Colorado Fuel & Iron Corp, P O Box 1920, Denver 1, Col
Lukens Steel Co, 1949 Gillen St, Coatesville, Pa
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
Alan Wood Steel Co, Ivy Rock Rd, Conshohocken, Pa

STEEL SHELLS, SEAMLESS

Edgemoor Iron Works, Edgemoor, Del
Geuder Paeschke & Frey Co, 303 N 15 St, Milwaukee 3, Wis
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
A B Murray Co, 649 Green Lane, Elizabeth, N J
Pressed Steel Tank Co, 1499 S 66 St, Milwaukee 14, Wis
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

STERILIZERS

Aetna Scientific Co, 2 & Spring Sts, Everett 49, Mass
Hanovia Chem & Mfg Co, 100 Chestnut St, Newark 5, N J
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill

STILLS, ALCOHOL

American Copper & Brass Works, 610 E Front St, Cincinnati 2, Ohio
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
E B Badger & Sons Co, 75 Pitts St, Boston 14, Mass
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Cleaver-Brooks Co, 326 E Keefe Ave, Milwaukee 12, Wis
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Downingtown Iron Works, Downingtown, Pa
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Koch Engrg Co, 335 W Lewis St, Wichita 2, Kan
Perry Equipment Corp, 1515 W Thompson St, Phila 21, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Whitlock Mfg Co, 74 South St, Hartford 10, Conn



Aetna Still
Model LVE-2.
Capacity 2 gals. per hour.

AETNA
WATER STILLS—
AUTOCLAVES—
DEMINERALIZERS

- **Stills:—½-500 gallons per hour, steam, gas, electric, storage tanks, automatic controls.**
- **Autoclaves:—Rolling Door and Full Opening Door Types—all sizes.**
- **DEMINERALIZERS: All types.**

AETNA
SCIENTIFIC COMPANY
Second and Spring Streets
Everett 49, Massachusetts



Rolling Door
Autoclave

STILLS, AMMONIA

E B Badger & Sons Co, 75 Pitts St, Boston 14, Mass
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Downingtown Iron Works, Downingtown, Pa
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Koch Engrg Co, 335 W Lewis St, Wichita 2, Kan
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa

STILLS, FATTY ACID

Artisan Metal Products, 73 Pond St, Waltham 54, Mass
E B Badger & Sons Co, 75 Pitts St, Boston 14, Mass
G O Bartlett & Snow Co, 6200 Harvard Ave, Cleveland 5, Ohio
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Cleaver-Brooks Co, 326 E Keefe Ave, Milwaukee 12, Wis
Downingtown Iron Works, Downingtown, Pa
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Koch Engrg Co, 335 W Lewis St, Wichita 2, Kan
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Scientific Glass Apparatus Co, Bloomfield, N J
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wurster & Sanger, 5201 S Kenwood Ave, Chicago 15, Ill

STILLS, GLYCERIN

Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Cleaver-Brooks Co, 326 E Keefe Ave, Milwaukee 12, Wis
Downingtown Iron Works, Downingtown, Pa
Illinois Water Treatment Co, 858 Cedar St, Rockford, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Koch Engrg Co, 335 W Lewis St, Wichita 2, Kan
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wurster & Sanger, 5201 S Kenwood Ave, Chicago 15, Ill

STILLS, HORIZONTAL

Aetna Scientific Co, 2 & Spring Sts, Everett 49, Mass
Blaw-Knox Co, Blawnox, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgemoor, Del
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Koch Engrg Co, 335 W Lewis St, Wichita 2, Kan
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa

STILLS, LABORATORY

Aetna Scientific Co, 2 & Spring Sts, Everett 49, Mass
American Copper & Brass Works, 610 E Front St, Cincinnati 2, Ohio
Barnstead Still & Sterilizing Co, 2 Langsville Terr, Boston, Mass
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill

STILLS, LABORATORY, continued

Corning Glass Works, Corning, N Y
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Emil Greiner Co, 20-26 N Moore St, N Y 13
Illinois Water Treatment Co, 858 Cedar St, Rockford, Ill
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Arthur H Thomas Co, 230 S 7 St, Phila, Pa
Trinity Equipment Corp, 472 Westfield Ave E, Roselle Park, N J

STILLS, PIPE

E B Badger & Sons Co, 75 Pitts St, Boston 14, Mass
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Koch Engrg Co, 335 W Lewis St, Wichita 2, Kan
Lummus Co, 385 Madison Ave, N Y 17

STILLS, PRESSURE

Artisan Metal Products, 73 Pond St, Waltham 54, Mass
E B Badger & Sons Co, 75 Pitts St, Boston 14, Mass
Cleaver-Brooks Co, 326 E Keefe Ave, Milwaukee 12, Wis
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgmoor, Del
Gasoline Plant Construction Corp, Neils Esperson Bldg, Houston 2, Tex
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Koch Engrg Co, 335 W Lewis St, Wichita 2, Kan
Lummus Co, 385 Madison Ave, N Y 17
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio

STILLS, SOLVENT RECOVERY

Artisan Metal Products, 73 Pond St, Waltham 54, Mass
E B Badger & Sons Co, 75 Pitts St, Boston 14, Mass
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Bowser Inc, 1307 E Creighton Ave, Fort Wayne, Ind
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
Cleaver-Brooks Co, 326 E Keefe Ave, Milwaukee 12, Wis
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Detrex Corp, 14331 Woodrow Wilson Ave, Detroit 32, Mich
Downingtown Iron Works, Downingtown, Pa
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Koch Engrg Co, 335 W Lewis St, Wichita 2, Kan
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Lummus Co, 385 Madison Ave, N Y 17
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
U S Hoffman Mach Co, 219 Lamson St, Syracuse 6, N Y
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wurster & Sanger, 5201 S Kenwood Ave, Chicago 15, Ill

STILLS, VACUUM

American Copper & Brass Works, 610 E Front St, Cincinnati 2, Ohio
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
E B Badger & Sons Co, 75 Pitts St, Boston 14, Mass
Blaw-Knox Co, Blawnox, Pa
Bowser Inc, 1307 E Creighton Ave, Fort Wayne, Ind
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
Cleaver-Brooks Co, 326 E Keefe Ave, Milwaukee 12, Wis
Cornell Mach Co, 99 Wall St, N Y
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Distillation Products Industries, Rochester 3, N Y
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Emil Greiner Co, 20-26 N Moore St, N Y 13
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Illinois Water Treatment Co, 858 Cedar St, Rockford, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Koch Engrg Co, 335 W Lewis St, Wichita 2, Kan
Lee Metal Products Co, 368 W Pine St, Phillipsburg, Pa
Lummus Co, 385 Madison Ave, N Y 17
National Research Corp, 70 Memorial Dr, Cambridge 42, Mass
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
U S Hoffman Mach Corp, 105 4 Ave, N Y 3
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio

STILLS, WATER

Acme Coppersmithing & Mach Co, Oreland, Pa
Aetna Scientific Co, 2 & Spring Sts, Everett 49, Mass
American Copper & Brass Works, 610 E Front St, Cincinnati 2, Ohio
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Barnstead Still & Sterilizing Co, 2 Langsville Terr, Boston, Mass
Cleaver-Brooks Co, 326 E Keefe Ave, Milwaukee 12, Wis
Davis Engrg Corp, 1064 E Grand St, Elizabeth 4, N J
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Griscom-Russell Co, Massillon, Ohio
Henszey Co, Watertown, Wis
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Whitlock Mfg Co, 74 South St, Hartford 10, Conn

STIRRERS

Acme Steel Co, 2840 Archer Ave, Chicago 9, Ill
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Eastern Industries, 296 Elm St, New Haven, Conn
Eberbach Corp, 200 E Liberty St, Ann Arbor, Mich
Edgemore Iron Works, Edgemoor, Del
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Emil Greiner Co, 20-26 N Moore St, N Y 13
Hanson-Van Winkle-Munning Co, Matawan, N J
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Metalab Equipment Corp, 270 Duffy Ave, Hicksville, L I, N Y
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Mixing Equipment Co, 139 Mt Read Blvd, Rochester 11,
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Saranac Mach Co, Benton Harbor, Mich
U S Stoneware Co, 60 E 42 St, N Y

STIRRERS, GLASS

Armstrong Cork Co, 985 Concord Ave, Lancaster, Pa
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Emil Greiner Co, 20-26 N Moore St, N Y 13
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
H S Martin & Co, 1916 Greenleaf Ave, Evanston, Ill
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Scientific Glass Apparatus Co, Bloomfield, N J
Jos F Uhrig Co, 4101-03 N 8 St, Phila 40, Pa

STOKERS

Babcock & Wilcox, 85 Liberty St, N Y 6
Read Standard Corp, Gaskill Ave, Erie, Pa
Riley Stoker Corp, 9 Neponset St, Worcester 6, Mass

STONEWARE, ACID-PROOF

Hanson-Van Winkle-Munning Co, Matawan, N J
Maurice A Knight, 444 Kelley Ave, Akron, Ohio

STOPCOCKS (HOLLOW PLUG TYPE)

Corning Glass Works, Corning, N Y
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Fischer & Porter Co, Hatboro, Pa
Emil Greiner Co, 20-26 N Moore St, N Y 13
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
H S Martin & Co, 1916 Greenleaf Ave, Evanston, Ill
Phoenix Precision Instruments, 3803 N 5 St, Phila 40, Pa
Scientific Glass Apparatus Co, Bloomfield, N J
D T Williams Valve Co, 1086 Summer St, Cincinnati 2, Ohio

STOPPERS

Armstrong Cork Co, 985 Concord Ave, Lancaster, Pa
Scientific Glass Apparatus Co, Bloomfield, N J
U S Stoneware Co, 60 E 42 St, N Y

STOPPERS, RUBBER

Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Pioneer Rubber Mills, 353 Sacramento St, San Francisco 11, Cal
Arthur H Thomas Co, 230 S 7 St, Phila, Pa
U S Rubber Co, 1230 6 Ave, N Y 20

STORAGE SYSTEMS, COAL

Beaumont Birch Co, 1526 Race St, Phila 2, Pa
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Gifford-Wood Co, 5 Hill St, Hudson, N Y
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Neff & Frey Co, 164 Elm St, Camden, Ohio

STRAINERS, INDUSTRIAL

Andale Co, 1740 Cherry St, Phila 3, Pa
Anthony Co, 47-33 5 St, L I C 1, N Y
Bethlehem Steel Co, Bethlehem, Pa
Blackmer Pump Co, 1809 Century Ave, S W, Grand Rapids 9, Mich
Clark Mfg Co, 1830 E 38 St, Cleveland 14, Ohio
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Cuno Engrg Corp, 80 S Vine St, Meridan, Conn
Elliott Co, 900 N 4 St, Jeannette, Pa
Ernst Water Column & Gage Co, 250 S Livingstone Ave, Livingstone, N J
Great Western Mfg Co, Leavenworth, Kan
Hauck Mfg Co, 123-133 10 St, Bklyn 15, N Y
Kaye & MacDonald, 15 Central Ave, W Orange, N J
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Kieley & Mueller Inc, 2033-43 St, N Bergen, N J
S P Kinney Engrs, 201 2 Ave, Carnegie, Pa
Metal Products Corp, 50 W 19 St, Weehawken, N J
Mich Wire Cloth Co, 2055 Howard St, Detroit 16, Mich
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
National Rubber Machy Co, 47 W Exchange St, Akron 8, Ohio
Neff & Frey Co, 164 Elm St, Camden, Ohio
Purolator Products, 970 New Brunswick Ave, Rahway, N J
R-S Products Corp, 100 Berkley St, Phila, Pa
Sarco Co, 350 5 Ave, N Y 1
Schade Valve Mfg Co, 2527 N Bodine St, Phila 33, Pa
Sentinel Glass Co, Box 58, Hatboro, Pa
Sterling Inc, 3738 N Holton St, Milwaukee 12, Wis
Strong, Carlisle & Hammond Co, 1394 W 3 St, Cleveland 13, Ohio
D T Williams Valve Co, 1086 Summer St, Cincinnati 2, Ohio
Winslow Engrg Co, 4069 Hollis St, Oakland, Cal
J A Zurn Mfg Co, 1801 Pittsburgh Ave, Erie, Pa

STRAINERS, OIL

Andale Co, 1740 Cherry St, Phila 3, Pa
Anthony Co, 47-33 5 St, L I C 1, N Y
American District Steam Co, 380 Bryant St, N Tonawanda, N Y
Bethlehem Steel Co, Bethlehem, Pa
Blackmer Pump Co, 1809 Century Ave S W, Grand Rapids 9, Mich
Bowser Inc, 1307 E Creighton Ave, Fort Wayne, Ind
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Cuno Engrg Corp, 80 S Vine St, Meridan, Conn
Elliott Co, 900 N 4 St, Jeannette, Pa
Hauck Mfg Co, 123-133 10 St, Bklyn 15, N Y
Kaye & MacDonald, 15 Central Ave, W Orange, N J
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Kieley & Mueller Inc, 2033-43 St, N Bergen, N J
S P Kinney Engrs, 201 2 Ave, Carnegie, Pa
Lunkenheimer Co, Cincinnati 14, Ohio
Metal Products Corp, 50 W 19 St, Weehawken, N J
Monarch Mfg Co Works, 2501 E Ontario St, Phila 34, Pa
Mueller Co, 512 W Cerro Gordo St, Decatur 70, Ill

STRAINERS, OIL, continued

Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
National Airoil Burner Co, 1348 E Sedgley Ave, Phila 34, Pa
Neff & Frey Co, 164 Elm St, Camden, Ohio
Purolator Products, 970 New Brunswick Ave, Rahway, N J
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
R-S Products Corp, 100 Berkley St, Phila, Pa
Sarco Co, 350 5 Ave, N Y 1
Schade Valve Mfg Co, 2527 N Bodine St, Phila 33, Pa
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Spraying Systems Co, 3274 Randolph St, Bellwood, Ill
Strong, Carlisle & Hammond Co, 1394 W 3 St, Cleveland 13, Ohio
Taylor Instrument Co, 468 Getty Ave, Paterson 3, N J
D T Williams Valve Co, 1086 Summer St, Cincinnati 2, Ohio
Winslow Engrg Co, 4069 Hollis St, Oakland, Cal
J A Zurn Mfg Co, 1801 Pittsburgh Ave, Erie, Pa

STRAINERS, PIPE LINE

American District Steam Co, 380 Bryant St, N Tonawanda, N Y
Andale Co, 1740 Cherry St, Phila 3, Pa
V D Anderson Co, 1935 W 96 St, Cleveland 2, Ohio
Anthony Co, 47-33 5 St, L I C 1, N Y
Bethlehem Steel Co, Bethlehem, Pa
Blackmer Pump Co, 1809 Century Ave S W, Grand Rapids 9, Mich
Bowser Inc, 1307 E Creighton Ave, Fort Wayne, Ind
Clark Mfg Co, 1830 E 38 St, Cleveland 14, Ohio
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Cuno Engrg Corp, 80 S Vine St, Meridan, Conn
Edward Valves, 2200 145 St, E Chicago, Ind
Elliott Co, 900 N 4 St, Jeannette, Pa
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Gray Co, 60 11 Ave N E, Minneapolis 31, Minn
Kaye & MacDonald, 15 Central Ave, W Orange, N J
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Kieley & Mueller Inc, 2033-43 St, N Bergen, N J
S P Kinney Engrs, 201 2 Ave, Carnegie, Pa
Leslie Co, Grant Ave, Lyndhurst, N J
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Metal Products Corp, 50 W 19 St, Weehawken, N J
Monarch Mfg Co Works, 2501 E Ontario St, Phila 34, Pa
Mueller Co, 512 W Cerro Gordo St, Decatur 70, Ill
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
Neff & Frey Co, 164 Elm St, Camden, Ohio
W H Nicholson & Co, 190 Oregon St, Wilkes-Barre, Pa
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Pfahler-Cleland Co, 820 Harding Way W, Galion, Ohio
Powers Regulator Co, 2736 Greenview Ave, Chicago 14, Ill
R-S Products Corp, 100 Berkely St, Phila, Pa
Schade Valve Co, 2527 N Bodine St, Phila 33, Pa
Sarco Co, 350 5 Ave, N Y 1
Spence Engrg Co, Walden, N Y
Spraying Systems Co, 3274 Randolph St, Bellwood, Ill
Sterling Inc, 3738 N Holton St, Milwaukee 12, Wis
Strong, Carlisle & Hammond Co, 1392 W 3 St, Cleveland 13, Ohio
L C Thomsen & Sons, 1303 43 St, Kenosha, Wis
Trane Co, 300 Cameron Ave, La Crosse, Wis
Vilter Mfg Co, 2217 S 1 St, Milwaukee 7, Wis
Warren Webster & Co, 1730 Federal St, Camden, N J
D T Williams Valve Co, 1086 Summer St, Cincinnati 2, Ohio
Winslow Engrg Co, 4069 Hollis St, Oakland, Cal
Yarnall-Waring Co, 102 E Mermaid Lane, Phila 18, Pa
J A Zurn Mfg Co, 1801 Pittsburgh Ave, Erie, Pa

STRAINERS, SUCTION

American District Steam Co, 380 Bryant St, N Tonawanda, N Y
Andale Co, 1740 Cherry St, Phila 3, Pa
Anthony Co, 47-33 5 St, L I C 1, N Y
Bethlehem Steel Co, Bethlehem, Pa
Cellulo Co, 2100 1 St, Sandusky, Ohio
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Cuno Engrg Corp, 80 S Vine St, Meridan, Conn
Elliott Co, 900 N 4 St, Jeannette, Pa
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Kieley & Mueller Inc, 2033-43 St, N Bergen, N J
Metal Products Corp, 50 W 19 St, Weehawken, N J
Monarch Mfg Co Works, 2501 E Ontario St, Phila 34, Pa
National Airoil Burner Co, 1348 E Sedgley Ave, Phila 34, Pa
Neff & Frey Co, 164 Elm St, Camden, Ohio
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Purolator Products, 970 New Brunswick Ave, Rahway, N J
Sarco Co, 350 5 Ave, N Y 1
Schade Valve Mfg Co, 2527 N Bodine St, Phila 33, Pa
Spraying Systems Co, 3274 Randolph St, Bellwood, Ill
Vilter Mfg Co, 2217 S 1 St, Milwaukee 7, Wis
Warren Webster & Co, 1730 Federal St, Camden, N J
Winslow Engrg Co, 4069 Hollis St, Oakland, Cal
J A Zurn Mfg Co, 1801 Pittsburgh Ave, Erie, Pa

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Acme Coppersmithing & Mach Co, Oreland, Pa
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Edgemoor Iron Works, Edgemoor, Del
Glascote Products, 20900 St Clair Ave, Cleveland 17, Ohio
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y

SUMPS, STONEWARE

Atlas Mineral Products Co, Mertztown, Pa
Binks Mfg Co, 3114-40 Carroll Ave, Chicago 12, Ill
Foster-Wheeler Corp, 165 Broadway, N Y 6
U S Stoneware Co, 60 E 42 St, N Y

SUPERHEATERS

Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Riley Stoker Corp, 9 Neponset St, Worcester 6, Mass
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa

SUPERHEATERS, STEAM

Babcock & Wilcox, 85 Liberty St, N Y 6
Combustion Engr-Superheater, 200 Madison Ave, N Y 16
Foster-Wheeler Corp, 165 Broadway, N Y 6
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Edwin L Wiegand Co, 7557 Thomas Blvd, Pittsburgh 8, Pa

SWITCHBOARDS

Falstrom Co, 9 Falstrom Court, Passaic, N J
Federal Elec Products Co, 50 Paris St, Newark 5, N J
Gen Elec Co, Schenectady 5, N Y
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa

SWITCHES

Appleton Elec Co, 1713 W Wellington Ave, Chicago 13, Ill
Automatic Switch Co, 391 Lakeside Ave, Orange, N J
Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis
Federal Elec Products Co, 50 Paris St, Newark 5, N J
Gen Elec Co, Schenectady 5, N Y



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SWITCHES, continued

Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Lumenite Electronic Co, 407 S Dearborn St, Chicago 5, Ill
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Minneapolis-Honeywell Regulator Co, Micro Switch Div, Freeport, Ill
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Perfex Corp, 500 W Oklahoma Ave, Milwaukee, Wis
Shepard Niles Crane & Hoist Corp, Schuyler Ave, Montour Falls, N Y
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa

SWITCHES, MERCURY

Appleton Elec Co, 1713 W Wellington Ave, Chicago 11, Ill
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Gen Elec Co, Schenectady 5, N Y
Emil Greiner Co, 20-26 N Moore St, N Y 13
Mercoid Corp, 4201 Belmont Ave, Chicago 41, Ill
Minneapolis-Honeywell Regulator Co, Micro Switch Div, Freeport, Ill
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn

SWITCHES, TIME

Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Gen Elec Co, Schenectady 5, N Y
Lumenite Electronic Co, 407 S Dearborn St, Chicago 5, Ill
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Perfex Corp, 500 W Oklahoma Ave, Milwaukee, Wis

SWITCHGEAR

Appleton Elec Co, 1713 W Wellington Ave, Chicago 13, Ill
Automatic Switch Co, 391 Lakeside Ave, Orange, N J
Elec Machy Mfg Co, 1331 N E Tyler St, Minneapolis 13, Minn
Falstrom Co, 9 Falstrom Court, Passaic, N J
Federal Elec Products Co, 50 Paris St, Newark 5, N J
Gen Elec Co, Schenectady 5, N Y
I T E Circuit Breaker Co, 505 N 19 St, Phila 30, Pa
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa

SYSTEMS, GRINDING, DRYING & CLASSIFYIN

Hardinge Co, 240 Arch St, York, Pa

TABLE TOPS, LABORATORY

Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Kewaunee Mfg Co, End of S Center St, Andrian, Mich
Lab Furniture Co, P O Box 590, Mineola, N Y
Littleford Bros, 453 Pearl St, Cincinnati 2, Ohio
Metal Products Corp, 50 W 19 St, Weehawken, N J
Metalab Equipment Corp, 270 Duffy Ave, Hicksville, L I, N Y

TABLET FILLING AND COUNTING MACHINES

Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Stokes & Smith Co, 5010 Summerdale Ave, Phila 24, Pa
Gen American Transport Corp, 135 S La Salle St, Chicago 90, Ill
Struthers-Wells Corp, 1103 Pennsylvania Ave, Warren, Pa

TANK CARS

American Car & Foundry Co, 30 Church St, N Y 7

TACHOMETERS

Gen Radio Co, 275 Mass Ave, Cambridge 39, Mass

TANKS, ACID

Acme Coppersmithing & Mach Co, Oreland, Pa
Allied Steel & Equipment Co, Dept N, Chester, N J
American Car & Foundry Co, 30 Church St, N Y 7

TANKS, ACID, continued

American Hard Rubber Co, 11 Mercer St, N Y 13
Apex Elec Mfg Co, 7424 Bessemer Ave, Cleveland 27, Ohio
Atlas Mineral Products Co, Mertztown, Pa
Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
J B Beaird Co, 6200 St Vincent Ave, Shreveport, La
Belke Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Blaw-Knox Co, Blawnox, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
British-American Carbon Corp, 18 E 48 St, N Y
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Ceilcote Co, 4832 Ridge Rd, Cleveland 9, Ohio
Chemsteel Construction Co, 500 Chemsteel Bldg, Pittsburgh 32, Pa
Chicago Stainless Equipment Corp, 5003 Elston Ave, Chicago 30, Ill
Downingtown Iron Works, Downingtown, Pa
Duriron Co, 450 N Finley St, Dayton 1, Ohio
Edgemoor Iron Works, Edgemoor, Del
Electro Chem Engrg & Mfg Co, 752 Broad St, Emmaus, Pa
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Enthone Inc, 442 Elm St, New Haven, Conn
Falls Industries, Aurora Rd, Solon, Ohio
Gen American Transportation Corp, Field Bldg, Chicago 90, Ill
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Hammond Iron Works, 630 S Ave, N Y 20
Hanson-Van Winkle-Munning Co, Matawan, N J
Hauser-Stander Tank Co, 4838 Spring Grove Ave, Cincinnati 32, Ohio
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Lead Lined Iron Pipe Co, Wakefield, Mass
Metal Products Corp, 50 W 19 St, Weehawken, N J
J C Miller Co, 631 Chestnut St, Grand Rapids, Mich
Munning & Munning, 202 Emmett St, Newark, N J
A B Murray Co, 649 Green Lane, Elizabeth, N J
National Annealing Box Co, Washington, Pa
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
New England Tank & Tower Co, Everett, Mass
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfahler-Cleland Co, 820 Harding Way W, Galion, Ohio
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Pittsburgh Des Moines Steel Co, Neville Island Sta, Pittsburgh 25, Pa
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
George G Rodgers Co, 2401 3 Ave, N Y 51
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Stacey Mfg Co, Township & Big 4 RR, Cincinnati 16, Ohio
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
U S Stoneware Co, 60 E 42 St, N Y
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TANKS, AIR

J B Beaird Co, 6200 St Vincent Ave, Shreveport, La
Blaw-Knox Co, Blawnox, Pa
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgemoor, Del

TANKS, AIR, continued

Gen American Transportation Corp, Field Bldg, Chicago 90, Ill
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Hapman-Dutton Co, Gibson St, Kalamazoo 6, Mich
Ingersoll-Rand Co, Phillipsburg, N J
Joy Mfg Co, Oliver Bldg, Pittsburgh 22, Pa
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
A B Murray Co, 649 Green Lane, Elizabeth, N J
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pittsburgh Des Moines Steel Co, Neville Island Sta, Pittsburgh 25, Pa
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
Stacey Mfg Co, Township & Big 4 R R, Cincinnati 16, Ohio
M H Treadwell Co, 140 Cedar St, N Y 6
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TANKS, ALUMINUM

Acme Coppersmithing & Mach Co, Oreland, Pa
American Car & Foundry Co, 30 Church St, N Y 7
American Copper & Brass Works, 610 E Front St, Cincinnati 2, Ohio
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
Edwards Mfg Co, S & Butler Sts, Cincinnati 2, Ohio
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Falstrom Co, 9 Falstrom Court, Passaic, N J
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Gen American Transportation Corp, Field Bldg, Chicago 90, Ill
Hammond Iron Works, 630 S Ave, N Y 20
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
F A Langsenkamp Co, Indianapolis 25, Ind
Littleford Bros, 453 Pearl St, Cincinnati 2, Ohio
Metal Products Corp, 50 W 19 St, Weehawken, N J
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfahler-Cleland Co, 820 Harding Way W, Galion, Ohio
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Reynolds Metal Co, 2500 S 3 St, Louisville, Ky
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Stacey Mfg Co, Township & Big 4 R R, Cincinnati 16, Ohio
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Welding Engrs, P O Box 391, Norristown, Pa
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TANKS, ALUMINUM-ALLOY

Acme Coppersmithing & Mach Co, Oreland, Pa
American Car & Foundry Co, 30 Church St, N Y 7
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Continental Steel & Copper Inc, 500 Market St, Perth Amboy, N J
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Hammond Iron Works, 630 S Ave, N Y 20
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7 N J
Metal Products Corp, 50 W 19 St, Weehawken, N J
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfahler-Cleland Co, 820 Harding Way W, Galion, Ohio
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Pittsburgh Des Moines Steel Co, Neville Island Sta, Pittsburgh 25, Pa
Reynolds Metal Co, 2500 S 3 St, Louisville, Ky
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Stacey Mfg Co, Township & Big 4 R R, Cincinnati 16, Ohio
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TANKS, ALUMINUM, BRONZE

Acme Coppersmithing & Mach Co, Oreland, Pa
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Metal Products Corp, 50 W 19 St, Weehawken, N J
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TANKS, COPPER

Acme Coppersmithing & Mach Co, Oreland, Pa
American Copper & Brass Works, 610 E Front St, Cincinnati 2, Ohio
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Edwards Mfg Co, 5 & Butler Sts, Cincinnati 2, Ohio
Falstrom Co, 9 Falstrom Court, Passaic, N J
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
F A Langsenkamp Co, Indianapolis 25, Ind
Metal Products Corp, 50 W 19 St, Weehawken, N J
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Whitlock Mfg Co, 74 South St, Hartford 10, Conn

TANKS, FERMENTING

Acme Coppersmithing & Mach Co, Oreland, Pa
American Car & Foundry Co, 30 Church St, N Y 7
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Chicago Stainless Equipment Corp, 5003 Elston Ave, Chicago 30, Ill
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgemoor, Del
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Hauser-Stander Tank Co, 4838 Spring Grove Ave Cincinnati 32, Ohio
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Metal Products Corp, 50 W 19 St, Wehawken, N J
New England Tank & Tower Co, Everett, Mass
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Pittsburgh Des Moines Steel Co, Neville Island Sta, Pittsburgh 25, Pa
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Stacey Mfg Co, Township & Big 4 R R, Cincinnati 16, Ohio
M H Treadwell Co, 140 Cedar St, N Y 6
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TANKS, GALVANIZED

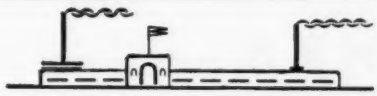
Binks Mfg Co, 3114-40 Carroll Ave, Chicago 12, Ill
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Edwards Mfg Co, 5 & Butler Sts, Cincinnati 2, Ohio
Falstrom Co, 9 Falstrom Court, Passaic, N J
International Engrg, Dayton 1, Ohio
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Metal Products Corp, 50 W 19 St, Weehawken, N J
J C Miller Co, 631 Chester S W, Grand Rapids, Mich
A B Murray Co, 649 Green Lane, Elizabeth, N J
National Annnealing Box Co, Washington, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
M H Treadwell Co, 140 Cedar St, N Y 6
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TANKS, GLASS ENAMELED

Alsop Engrg Corp, Milldale, Conn
Glascote Products, 20900 St Clair Ave, Cleveland 17, Ohio
J C Miller Co, 631 Chester S W, Grand Rapids, Mich
Seaporcel Metals, Borden Ave & Dutchkills, L I C, N Y
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis

TANKS, GLASS LINED

Alsop Engrg Corp, Milldale, Conn
Glascote Products, 20900 St Clair Ave, Cleveland 17, Ohio
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Hanson-Van Winkle-Munning Co, Matawan, N J
Luria Steel & Trading Corp, 332 S Mich Ave, Chicago 4, Ill
J C Miller Co, 631 Chester S W, Grand Rapids, Mich
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Seaporcel Metals, Borden Ave & Dutchkills, L I C, N Y
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis



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TANKS, HARD RUBBER

American Hard Rubber Co, 11 Mercer St, N Y 13
Atlas Mineral Products Co, Mertztown, Pa
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Enthone Inc, 442 Elm St, New Haven, Conn
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Hanson-Van Winkle-Munning Co, Matawan, N J
Luzerne Rubber Co, Trenton 7, N J
J C Miller Co, 631 Chester S W, Grand Rapids, Mich
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Stokes Molded Products, Trenton 4, N J

TANKS, HASTELLOY

Acme Coppersmithing & Mach Co, Oreland, Pa
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Blaw-Knox Co, Blawnox, Pa
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Metal Glass Products Co, Belding, Mich
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Stacey Mfg Co, Township & Big 4 R R, Cincinnati 16, Ohio
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Struthers Wells Corp, 5 Franklin St, Titusville, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TANKS, HIGH PRESSURE

Acme Coppersmithing & Mach Co, Oreland, Pa
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Autoclave Engrs, 860 E 19 St, Erie, Pa
Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
Babcock & Wilcox, 85 Liberty St, N Y 6
Berlin Chapman Co, Berlin, Wis
Binks Mfg Co, 3114-40 Carroll Ave, Chicago 12, Ill
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Blaw-Knox Co, Blawnox, Pa
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Combustion Engrg-Superheater, 200 Madison Ave, N Y 16
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgemoor, Del
Gen American Transportation Corp, Field Bldg, Chicago 90, Ill
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Littleford Bros, 453 Pearl St, Cincinnati 2, Ohio
A B Murray Co, 649 Green Lane, Elizabeth, N J
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Stacey Mfg Co, Township & Big 4 R R, Cincinnati 16, Ohio
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Struthers Wells Corp, 5 Franklin St, Titusville, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa

TANKS, HIGH PRESSURE, continued

M H Treadwell Co, 140 Cedar St, N Y 6
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
Welding Engrs, P O Box 391, Norristown, Pa
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TANKS, IRON AND STEEL

Acme Coppersmithing & Mach Co, Oreland, Pa
Allied Steel & Equipment Co, Dept N, Chester, N J
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
Bethlehem Steel Co, Bethlehem, Pa
Blaw-Knox Co, Blawnox, Pa
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54, Ill
Denver Equipment Co, 1400 17 St, Denver 17, Col
Detrex Corp, 14331 Woodrow Wilson Ave, Detroit 32, Mich
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Downingtown Iron Works, Downingtown, Pa
W H Dyer Co, 2111 Railway Exchange Bldg, St Louis, Mo
Edgemoor Iron Works, Edgemoor, Del
Edwards Mfg Co, 5 & Butler Sts, Cincinnati 2, Ohio
Enthone Inc, 442 Elm St, New Haven, Conn
Falstrom Co, 9 Falstrom Court, Passaic, N J
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Frick Co, Waynesboro, Pa
Glasco Equipment Corp, 6 Wall St, Paterson 4, N J
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Hammond Iron Works, 630 S Ave, N Y 20
Hanson-Van Winkle-Munning Co, Matawan, N J
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Industrial Engrs, 8 Lister Ave,, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Selling Corp, 70 Pine St, N Y
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
J M Lehman Co, 550 N Y Ave, Lyndhurst, N J
Littleford Bros, 453 Pearl St, Cincinnati 2, Ohio
Luria Steel & Trading Corp, 332 S Mich Ave, Chicago 4, Ill
Lynchburg Foundry Co, Lynchburg, Va
Marine Fabricators Co, 1010 State St, Perth Amboy, N J
Metal Products Corp, 50 W 19 St, Weehawken, N J
J C Miller Co, 631 Chester S W, Grand Rapids, Mich
A B Murray Co, 649 Green Lane, Elizabeth, N J
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
New England Tank & Tower Co, Everett, Mass
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfahler-Cleland Co, 820 Harding Way W, Galion, Ohio
Pittsburgh Des Moines Steel Co, Neville Island Sta, Pittsburgh 25, Pa
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Charles Ross & Son Co, 148 Clesson Ave, Bklyn 5, N Y
Seaporcel Metals, Borden Ave & Dutchkills, L I C, N Y
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Stacey Mfg Co, Township & Big 4 RR, Cincinnati 16, Ohio
Stacey Bros Gas Consruction Co, 5535 Vine St, Cincinnati 16, Ohio
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa

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TANKS, IRON AND STEEL, continued

M H Treadwell Co, 140 Cedar St, N Y 6
Vilter Mfg Co, 2217 S 1 St, Milwaukee 7, Wis
Welding Engrs, P O Box 391, Norristown, Pa
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TANKS, LEAD LINED

Acme Coppersmithing & Mach Co, Oreland, Pa
Atlantic Tank Corp, 1215 Tonnele Ave, N Bergen, N J
Belke Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Edgemoor Iron Works, Edgemoor, Del
Enthone Inc, 442 Elm St, New Haven, Conn
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Hanson-Van Winkle-Munning Co, Matawan, N J
Hauser-Stander Tank Co, 4838 Spring Grove Ave, Cincinnati 32, Ohio
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
Lead Lined Iron Pipe Co, Wakefield, Mass
Metal Products Corp, 50 W 19 St, Weehawken, N J
J C Miller Co, 631 Chester S W, Grand Rapids, Mich
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
New England Tank & Tower Co, Everett, Mass
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pittsburgh Des Moines Steel Co, Neville Island Sta, Pittsburgh 25, Pa
Quaker City Iron Works, Aramingo Ave, & Ontario St, Phila, Pa
Resisto Pipe & Valve Co, 258 Bridge St, E Cambridge, Mass
M H Treadwell Co, 140 Cedar St, N Y 6
U S Stoneware Co, 60 E 42 St, N Y
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TANKS, MIXING

Acme Coppersmithing & Mach Co, Oreland, Pa
Allied Steel & Equipment Co, Dept N, Chester, N J
American Hard Rubber Co, 11 Mercer St, N Y 13
Alsop Engrg Corp, Milldale, Conn
Blaw-Knox Co, Blawnox, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
British-American Carbon Corp, 18 E 48 St, N Y
Buffalo Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Chicago Stainless Equipment Corp, 5003 Elston Ave, Chicago 30, Ill
J H Day Co, 1144 Harrison Ave, Cincinnati 22, Ohio
Dearborn Chem Co, Merchandise Mart Plaza, Chicago 54 Ill
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgemoor, Del
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Gen American Transportation Corp, Field Bldg, Chicago 90, Ill
Glasco Equipment Corp, 6 Wait St, Paterson 4, N J
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Hauser-Stander Tank Co, 4838 Spring Grove Ave, Cincinnati, 32, Ohio
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio

TANKS, MIXING, continued

L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
J M Lehman Co, 550 N Y Ave, Lyndhurst, N J
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Marine Fabricators Co, 1010 State St, Perth Amboy, N J
Mercer-Robinson Co, 30 Church St, N Y 7
Metal Products Corp, 50 W 19 St, Weehawken, N J
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
New England Tank & Tower Co, Everett, Mass
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Perry Equipment Corp, 1515 W Thompson St, Phila 21, Pa
Pfahler-Cleland Co, 820 Harding Way W, Galion, Ohio
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Premier Mill Corp, 218 Genesee St, Geneva, N Y
Quaker City Iron Works, Aramingo Ave, & Ontario St, Phila, Pa
Read Standard Corp, York, Pa
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
George G Rodgers Co, 2401 3 Ave, N Y 51
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TANKS, MONEL METAL AND NICKEL

Acme Coppersmithing & Mach Co, Oreland, Pa
Aetna Scientific Co, 2 & Spring Sts, Everett 49, Mass
American Car & Foundry Co, 30 Church St, N Y 7
American Copper & Brass Works, 610 E Front St, Cincinnati 2, Ohio
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Blaw-Knox Co, Blawnox, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Chicago Stainless Equipment Corp, 5003 Elston Ave, Chicago 30, Ill
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgemoor, Del
Edwards Mfg Co, 5 & Butler Sts, Cincinnati 2, Ohio
Elliott Co, 900 N 4 St, Jeannette, Pa
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Glasco Equipment Corp, 6 Wait St, Paterson 4, N J
Glascote Products, 20900 St Clair Ave, Cleveland 17, Ohio
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Hammond Iron Works, 630 S Ave, N Y 20
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
Henszey Co, Watertown, Wis
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
Lee Metal Products Co, 368 W Pine St, Philipsburg, Pa
Littleford Bros, 453 Pearl St, Cincinnati 2, Ohio
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Metal Glass Products Co, Belding, Mich
Metal Products Corp, 50 W 19 St, Weehawken, N J
J C Miller Co, 631 Chester S W, Grand Rapids, Mich
National Annealing Box Co, Washington, Pa
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Perry Equipment Corp, 1515 W Thompson St, Phila 21, Pa
Pfahler-Cleland Co, 820 Harding Way W, Galion, Ohio
Pfaudler Co, 1000 W Ave, Rochester 3, N Y

TANKS, MONEL METAL AND NICKEL, continued

Pittsburgh Des Moines Steel Co, Neville Island Sta, Pittsburgh 25, Pa
Presseo Steel Co, 705 N Pennsylvania Ave, Wilkes-Barre, Pa
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
George G Rodgers Co, 2401 3 Ave, N Y 51
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Stacey Mfg Co, Township & Big 4 RR, Cincinnati 16, Ohio
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
Welding Engrs, P O Box 391, Norristown, Pa
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TANKS, NICKEL

Acme Coppersmithing & Mach Co, Oreland, Pa
American Car & Foundry Co, 30 Church St, N Y 7
American Copper & Brass Works, 610 E Front St, Cincinnati 2, Ohio
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Blaw-Knox Co, Blawnox, Pa
Chicago Stainless Equipment Corp, 5003 Elston Ave, Chicago 30, Ill
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgemoor, Del
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Glascote Products, 20900 St Clair Ave, Cleveland 17, Ohio
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
L O Koven & Bros, 154 Ogden Ave, Jersey City 7, N J
F A Langsenkamp Co, Indianapolis 25, Ind
Lee Metal Products Co, 368 W Pine St, Philipsburg, Pa
Littleford Bros, 453 Pearl St, Cincinnati 2, Ohio
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Metal Glass Products Co, Belding, Mich
Metal Products Corp, 50 W 19 St, Weehawken, N J
J C Miller Co, 631 Chester S W, Grand Rapids, Mich
National Annealing Box Co, Washington, Pa
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Perry Equipment Corp, 1515 W Thompson St, Phila 21, Pa
Pfahler-Cleland Co, 820 Harding Way W, Galion, Ohio
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Pittsburgh Des Moines Steel Co, Neville Island Sta, Pittsburgh 25, Pa
Pressed Steel Co, 705 N Pennsylvania Ave, Wilkes-Barre, Pa
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Stacey Mfg Co, Township & Big 4 RR, Cincinnati 16, Ohio
Struthers Wells Corp, 5 Franklin St, Titusville, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
Whitlock Mfg Co, 74 South St, Hartford 10, Conn

TANKS, NICKEL CHROME STEEL

Acme Coppersmithing & Mach Co, Oreland, Pa
Alloy Products Co, 1045 Perkins Ave, Waukesha, Wis
American Car & Foundry Co, 30 Church St, N Y 7
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Blaw-Knox Co, Blawnox, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
Chicago Stainless Equipment Corp, 5003 Elston Ave, Chicago 30, Ill
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgemoor, Del
Edwards Mfg Co, 5 & Butler Sts, Cincinnati 2, Ohio
Elliott Co, 900 N 4 St, Jeannette, Pa
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Gen Alloys Co, 405 W 1 St, Boston, Mass
Glasco Equipment Corp, 6 Wait St, Paterson 4, N J
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Henszey Co, Watertown, Wis
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
F A Langsenkamp Co, Indianapolis 25, Ind
Lee Metal Products Co, 368 W Pine St, Philipsburg, Pa
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Metal Glass Products Co, Belding, Mich
Metal Products Corp, 50 W 19 St, Weehawken, N J
National Annealing Box Co, Washington, Pa

TANKS, NICKEL CHROME STEEL

Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Perry Equipment Corp, 1515 W Thompson St, Phila 21, Pa
Pfahler-Cleland Co, 820 Harding Way W, Galion, Ohio
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Pittsburgh Des Moines Steel Co, Neville Island Sta, Pittsburgh 25, Pa
Pressed Steel Co, 705 N Pennsylvania Ave, Wilkes-Barre, Pa
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
George G Rodgers Co, 2401 3 Ave, N Y 51
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Stacey Mfg Co, Township & Big 4 RR, Cincinnati 16, Ohio
Struthers Wells Corp, S Franklin St, Titusville, Pa
Struthers-Wells Corp, 1003 Pennsylvania Ave, Warren, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TANKS, NICKEL CLAD STEEL, WELDED

Acme Coppersmithing & Mach Co, Oreland, Pa
American Car & Foundry Co, 30 Church St, N Y 7
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Babcock & Wilcox, 85 Liberty St, N Y 6
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Blaw-Knox Co, Blawnox, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Combustion Engrg-Superheater, 200 Madison Ave, N Y 16
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgemoor, Del
Elliott Co, 900 N 4 St, Jeannette, Pa
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Enthone Inc, 442 Elm St, New Haven, Conn
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Gen American Transportation Corp, Field Bldg, Chicago 90, Ill
Glasco Equipment Corp, 6 Wait St, Paterson 4, N J
Glascote Products, 20900 St Clair Ave, Cleveland 17, Ohio
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Littleford Bros, 453 Pearl St, Cincinnati 2, Ohio
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Metal Products Corp, 50 W 19 St, Weehawken, N J
J C Miller Co, 631 Chester S W, Grand Rapids, Mich
National Annealing Box Co, Washington, Pa
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Perry Equipment Corp, 1515 W Thompson St, Phila 21, Pa
Pfahler-Cleland Co, 820 Harding Way W, Galion, Ohio
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Pittsburgh Des Moines Steel Co, Neville Island Sta, Pittsburgh 25, Pa
Pressed Steel Co, 705 N Pennsylvania Ave, Wilkes-Barre, Pa
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Stacey Mfg Co, Township & Big 4 R R, Cincinnati 16, Ohio
Struthers Wells Corp, S Franklin St, Titusville, Pa
Struthers-Wells Corp, 1103 Pennsylvania Ave, Warren, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
Welding Engrs, P O Box 391, Norristown, Pa
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TANKS, OIL STORAGE

Acme Coppersmithing & Mach Co, Oreland, Pa
Bethlehem Steel Co, Bethlehem, Pa
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
W E Caldwell Co, 2530 Brook St, Louisville, Ky
W H Dyer Co, 2111 Railway Exchange Bldg, St Louis, Mo
Edgemoor Iron Works, Edgemoor, Del

TANKS, OIL STORAGE, continued

Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Hammond Iron Works, 630 S Ave, N Y 20
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Luria Steel & Trading Corp, 332 S Mich Ave, Chicago 4, Ill
Metal Products Corp, 50 W 19 St, Weehawken, N J
National Airoil Burner Co, 1349 E Sedgley Ave, Phila 34, Pa
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Pfahler-Cleland Co, 820 Harding Way W, Galion, Ohio
Pittsburgh Des Moines Steel Co, Neville Island Sta, Pittsburgh 25, Pa
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Stacey Mfg Co, Township & Big 4 R R, Cincinnati 16, Ohio
M H Treadwell Co, 140 Cedar St, N Y 6
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TANKS, OIL WORKS

Acme Coppersmithing & Mach Co, Oreland, Pa
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Bethlehem Steel Co, Bethlehem, Pa
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Edgemoor Iron Works, Edgemoor, Del
Gen American Transportation Corp, Field Bldg, Chicago 90, Ill
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Hammond Iron Works, 630 S Ave, N Y 20
Industrial Engrs, 8 Lister Ave, Newark 5, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Pittsburgh Des Moines Steel Co, Neville Island Sta, Pittsburgh 25, Pa
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Stacey Mfg Co, Township & Big 4 R R, Cincinnati 16, Ohio
M H Treadwell Co, 140 Cedar St, N Y 6
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TANKS, PLATING

American Hard Rubber Co, 11 Mercer St, N Y 13
Atlantic Tank Corp, 1215 Tonnele Ave, N Bergen, N J
Atlas Mineral Products Co, Mertztown, Pa
Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
Belke Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
British-American Carbon Corp, 18 E 48 St, N Y
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Buffovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
W E Caldwell Co, 2530 Brook St, Louisville, Ky
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Electro Chem Engrg & Mfg Co, 752 Broad St, Emmaus, Pa
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Enthone Inc, 442 Elm St, New Haven, Conn
Hanson-Van Winkle-Munning Co, Matawan, N J
Hauser-Stander Tank Co, 4838 Spring Grove Ave, Cincinnati 32, Ohio
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Marine Fabricators Co, 1010 State St, Perth Amboy, N J
Metal Products Corp, 50 W 19 St, Weehawken, N J
J C Miller Co, 631 Chester S W, Grand Rapids, Mich
Munning & Munning, 202 Emmett St, Newark, N J
Stacey Mfg Co, Township & Big 4 R R, Cincinnati 16, Ohio
U S Stoneware Co, 60 E 42 St, N Y
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TANKS, PRESSURE

Acme Coppersmithing & Mach Co, Oreland, Pa
American Car & Foundry Co, 30 Church St, N Y
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Binks Mfg Co, 3114 Carroll Ave, Chicago 12, Ill

TANKS, PRESSURE, continued

Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Blaw-Knox Co, Blawnox, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgemoor, Del
Emerson-Scheuring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Gen American Transportation Corp, Field Bldg, Chicago 90, Ill
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Littleford Bros, 453 Pearl St, Cincinnati 2, Ohio
Metal Glass Products Co, Belding, Mich
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
A B Murray Co, 649 Green Lane, Elizabeth, N J
National Annealing Box Co, Washington, Pa
H W North Co, E 13 & Parade Sts, Erie, Pa
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfahler-Cleland Co, 820 Harding Way W, Galion, Ohio
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Pressed Steel Tank Co, 1499 S 66 St, Milwaukee 14, Wis
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Stacey Mfg Co, Township & Big 4 R R, Cincinnati 16, Ohio
Stearns-Rogers Mfg Co, 1720 California St, Denver 2, Col
Struthers-Wells Corp, 1103 Pennsylvania Ave, Warren, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio
Welding Engrs, P O Box 391, Norristown, Pa
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TANKS, RUBBER LINED

American Car & Foundry Co, 30 Church St, N Y 7
American Hard Rubber Co, 11 Mercer St, N Y 13
Atlas Mineral Products Co, Mertztown, Pa
Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
Belke Mfg Co, 947 N Cicero Ave, Chicago 51, Ill
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
W E Caldwell Co, 2530 Brook St, Louisville, Ky
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Edgemoor Iron Works, Edgemoor, Del
Electro Chem Engrg & Mfg Co, 752 Broad St, Emmaus, Pa
Enthone Inc, 442 Elm St, New Haven, Conn
Gates Engrg Co, Box 1711, Wilmington, Del
Goodyear Tire & Rubber Co, 1144 E Market St, Akron 16, Ohio
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Hanson-Van Winkle-Munning Co, Matawan, N J
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
Industrial Filter & Pump Mfg Co, 5900 Ogden Ave, Chicago 50, Ill
International Engrg, Dayton 1, Ohio
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Luzerne Rubber Co, Trenton 7, N J
Marine Fabricators Co, 1010 State St, Perth Amboy, N J
Mercer-Robinson Co, 30 Church St, N Y 7
Metal Products Corp, 50 W 19 St, Weehawken, N J
Mich Pipe Co, Bay City, Mich
J C Miller Co, 631 Chester S W, Grand Rapids, Mich
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
New England Tank & Tower Co, Everett, Mass
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pioneer Rubber Mills, 353 Sacramento St, San Francisco, 11, Cal
Raybestos-Manhattan, 61 Willet S, Passaic, N J
M H Treadwell Co, 140 Cedar St, N Y 6
U S Rubber Co, 1230 6 Ave, N Y 20
U S Stoneware Co, 60 E 42 St, N Y
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TANKS, SILICON BRONZE

Acme Coppersmithing & Mach Co, Oreland, Pa
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Downingtown Iron Works, Downingtown, Pa
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Metal Products Corp, 50 W 19 St, Weehawken, N J
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TANKS, STAINLESS STEEL

Ace Equipment Co, 400 W Kinzie St, Chicago 10, Ill
Acme Coppersmithing & Mach Co, Oreland, Pa
Alloy Products Co, 1045 Perkins Ave, Waukesha, Wis
Alsop Engrg Corp, Milldale, Conn
American Car & Foundry Co, 30 Church St, N Y 7
American Copper & Brass Works, 610 E Front St, Cincinnati 2, Ohio
Binks Mfg Co, 3114-40 Carroll Ave, Chicago 12, Ill
S Blickman, 3100 Gregory Ave, Weehawken, N J
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Cherry-Burrell Corp, 427 W Randolph St, Chicago 6, Ill
Chicago Stainless Equipment Corp, 5003 Elston Ave, Chicago 39, Ill
Cleveland Coppersmithing Works, Stone Ave N W, Cleveland 2, Ohio
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgemoor, Del
Edwards Mfg Co, 5 & Butler Sts, Cincinnati 2, Ohio
Emerson-Schewring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Enthone Inc, 442 Elm St, New Haven, Conn
Falstrom Co, 9 Falstrom Court, Passaic, N J
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Oscar Fisher Co, 1000 N Division St, Peekskill, N Y
Fritz W Glitsch & Son, 4800 Singleton Blvd, Dallas 12, Tex
Glascote Products, 20900 St Clair Ave, Cleveland 17, Ohio
Gen Alloys Co, 405 W 1 St, Boston, Mass
Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Glasco Equipment Corp, 6 Wait St, Paterson 4, N J
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Arthur Harris & Co, 212 N Aberdeen St, Chicago 7, Ill
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
Henszey Co, Watertown, Wis
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Lee Metal Products Co, 368 W Pine St, Philipsburg, Pa
Littleford Bros, 453 Pearl St, Cincinnati 2, Ohio
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Luria Steel & Trading Corp, 332 S Mich Ave, Chicago 4, Ill
Marine Fabricators Co, 1010 State St, Perth Amboy, N J
Mercer-Robinson Co, 30 Church St, N Y 7
Metal Glass Products Co, Belding, Mich
Metal Products Corp, 50 W 19 St, Weehawken, N J
J C Miller Co, 631 Chester S W, Grand Rapids, Mich
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
A B Murray Co, 649 Green Lane, Elizabeth, N J
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Perry Equipment Corp, 1515 W Thompson St, Phila 21, Pa
Pfahler-Cleland Co, 820 Harding Way W, Galion, Ohio
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Pittsburgh Des Moines Steel Co, Neville Island Sta, Pittsburgh 25, Pa
Pressed Steel Co, 705 N Pennsylvania Ave, Wilkes-Barre, Pa
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
George G Rodgers Co, 2401 3 Ave, N Y 51
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
Schnitzer Alloy Products Co, 631 Pine St, Elizabeth, N J
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio

TANKS, STAINLESS STEEL, continued

Stacey Mfg Co, Township & Big 4 R R, Cincinnati 16, Ohio
Standard Elec Time Co, 89 Logan St, Springfield 2, Mass
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Struthers-Wells Corp, 1103 Pennsylvania Ave, Warren, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
Welding Engrs, P O Box 391, Norristown, Pa
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TANKS, STEEL

Ace Equipment Co, 400 W Kinzie St, Chicago 10, Ill
Acme Coppersmithing & Mach Co, Oreland, Pa
Allied Steel & Equipment Co, Dept N, Chester, N J
Alsop Engrg Corp, Milldale, Conn
American Car & Foundry Co, 30 Church St, N Y 7
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
J B Beaird Co, 6200 St Vincent Ave, Shreveport, La
Bethlehem Steel Co, Bethlehem, Pa
Binks Mfg Co, 3114-40 Carroll Ave, Chicago 12, Ill
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Blaw-Knox Co, Blawnox, Pa
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Cherry-Burrell Corp, 427 W Randolph St, Chicago 6, Ill
Combustion Engrg-Superheater, 200 Madison Ave, N Y 16
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Downingtown Iron Works, Downingtown, Pa
W H Dyer Co, 2111 Railway Exchange Bldg, St Louis, Mo
Edgemoor Iron Works, Edgemoor, Del
Edwards Mfg Co, 5 & Butler Sts, Cincinnati 2, Ohio
Emerson-Schewring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Enthone Inc, 442 Elm St, New Haven, Conn
Falstrom Co, 9 Falstrom Court, Passaic, N J
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Gen American Transport Corp, 135 S LaSalle St, Chicago 90, Ill
Glasco Equipment Corp, 6 Wait St, Paterson 4, N J
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Hanson-Van Winkle-Munning Co, Matawan, N J
Hapman-Dutton Co, 630 Gibson St, Kalamazoo 6, Mich
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
Industrial Engrs, 8 Lister Ave, Newark 5, N J
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
International Engrg, Dayton 1, Ohio
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
J M Lehman Co, 550 N Y Ave, Lyndhurst, N J
Littleford Bros, 453 Pearl St, Cincinnati 2, Ohio
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Luria Steel & Trading Corp, 332 S Mich Ave, Chicago 4, Ill
Marine Fabricators Co, 1010 State St, Perth Amboy, N J
Mercer-Robinson Co, 30 Church St, N Y 7
Metal Products Corp, 50 W 19 St, Weehawken, N J
J C Miller Co, 631 Chester S W, Grand Rapids, Mich
A B Murray Co, 649 Green Lane, Elizabeth, N J
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfahler-Cleland Co, 820 Harding Way W, Galion, Ohio
Pittsburgh Des Moines Steel Co, Neville Island Sta, Pittsburgh 25, Pa
Quaker City Iron Works, Aramingo Ave, & Ontario St, Phila, Pa
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Stacey Mfg Co, Township & Big 4 R R, Cincinnati 16, Ohio
Struthers-Wells Corp, 1103 Pennsylvania Ave, Warren, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
Henry Vogt Mach Co, 10 & Ormsby St, Louisville 10, Ky
Welding Engrs, P O Box 291, Norristown, Pa
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TANKS, STONEWARE

Enthone Inc, 442 Elm St, New Haven, Conn
Hanson-Van Winkle-Munning Co, Matawan, N J
J C Miller Co, 631 Chester S W, Grand Rapids, Mich
U S Stoneware Co, 60 E 42 St, N Y

TANKS, STORAGE

Allied Steel & Equipment Co, Dept N, Chester, N J
Alsop Engrg Corp, Milldale, Conn
American Car & Foundry Co, 30 Church St, N Y
American Hard Rubber Co, 11 Mercer St, N Y 13
Atlantic Tank Corp, 1215 Tonnele Ave, N Bergen, N J
Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
J B Beaird Co, 6200 St Vincent Ave, Shreveport, La

TANKS, STORAGE, continued

Bethlehem Steel Co, Bethlehem, Pa
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Cherry-Burrell Corp, 427 W Randolph St, Chicago 6, Ill
Chicago Stainless Equipment Corp, 5003 Elston Ave, Chicago 30, Ill
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Downingtown Iron Works, Downingtown, Pa
W H Dyer Co, 2111 Railway Exchange Bldg, St Louis, Mo
Edgemoor Iron Works, Edgemoor, Del
Emerson-Schewring Tank Co, 21 & Martindale Ave, Indianapolis, Ind
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Gen American Transportation Corp, Field Bldg, Chicago 90, Ill
Glasco Equipment Corp, 6 Wait St, Paterson 4, N J
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Hammond Iron Works, 630 S Ave, N Y 20
Hauser Stander Tank Co, 4838 Spring Grove, Cincinnati 32, Ohio
Heil Process Equipment Corp, 12901 Elmwood, Cleveland 11, Ohio
International Engrg, Dayton 1, Ohio
International Selling Corp, 70 Pine St, N Y
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
F A Langsenkamp Co, Indianapolis 25, Ind
J M Lehman Co, 550 N Y Ave, Lyndhurst, N J
Luria Steel & Trading Corp, 332 S Mich Ave, Chicago 4, Ill
Marine Fabricators Co, 1010 State St, Perth Amboy, N J
Metal Glass Products Co, Belding, Mich
Metal Products Corp, 50 W 19 St, Weehawken, N J
J C Miller Co, 631 Chester S W, Grand Rapids, Mich
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Patterson Foundry & Mach Co, 1250 St George St E Liverpool, Ohio
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pfahler-Cleland Co, 820 Harding Way W, Galion, Ohio
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Pittsburgh Des Moines Steel Co, Neville Island Sta, Pittsburgh 25, Pa
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
Charles Ross & Son Co, 148 Classon Ave, Bklyn 5, N Y
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Stacey Mfg Co, Township & Big 4 R R, Cincinnati 16, Ohio
M H Treadwell Co, 140 Cedar St, N Y 6
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TANKS, TREATING

Acme Coppersmithing & Mach Co, Oreland, Pa
American Hard Rubber Co, 11 Mercer St, N Y 13
J B Beaird Co, 6200 St Vincent Ave, Shreveport, La
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
W E Caldwell Co, 2530 Brook St, Louisville, Ky
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgemoor, Del
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Hauser Stander Tank Co, 4838 Spring Grove Ave, Cincinnati 32, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Marine Fabricators Co, 1010 State St, Perth Amboy, N J
Metal Glass Products Co, Belding, Mich
Metal Products Corp, 05 W 19 St, Weehawken, N J
J C Miller Co, 631 Chester S W, Grand Rapids, Mich
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Patterson-Kelley Co, 112 Warren St, E Stroudsburg, Pa
Pittsburgh Des Moines Steel Co, Neville Island Sta, Pittsburgh 25, Pa
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Stacey Mfg Co, Township & Big 4 R R, Cincinnati 16, Ohio
M H Treadwell Co, 140 Cedar St, N Y 6
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TANKS, VULCANIZING

Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgemoor, Del
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Metal Products Corp, 50 W 19 St, Weehawken, N J
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
H W North Co, E 13 & Parade Sts, Erie, Pa
M H Treadwell Co, 140 Cedar St, N Y 6

TANKS, WOODEN

Atlantic Tank Corp, 1215 Tonnele Ave, N Bergen, N J
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Hanson-Van Winkle-Munning Co, Matawan, N J
Hauser Stander Tank Co, 4838 Spring Grove Ave, Cincinnati 32, Ohio
International Engrg, Dayton 1, Ohio
Mich Pipe Co, Bay City, Mich
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
New England Tank & Tower Co, Everett, Mass
Santa Fe Tank & Tower Co, 5401 Boyle Ave, Los Angeles 11, Cal

TARPAULINS

Bemis Bro Bag Co, 111-N N 4 St, St Louis 2, Mo
Safety Clothing & Equipment Co, 7016 Euclid Ave, Cleveland, Ohio
Wm W Stanley, 401 Broadway, N Y

TESTING EQUIPMENT, SAND

Great Western Mfg Co, Leavenworth, Kan
Tenney Engrg, 26 Ave B, Newark 5, N J

THERMOCOUPLES

Bristol Co, Platts Mills, Waterbury, Conn
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Gen Elec Co, Schenectady 5, N Y
Hoskins Mfg Co, 4445 Lawton Ave, Detroit, Mich
K H Huppert Co, 6830 Cottage Grove Ave, Chicago, Ill
Illinois Testing Lab, 420 N La Salle St, Chicago 10, Ill
Leeds & Northrup Co, 4970 Stenton Ave, Phila 44, Pa
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Perfex Corp, 500 W Oklahoma Ave, Milwaukee, Wis
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Pyrometer Instrument Co, Portland & Delport Aves, Bergenfield, N J
Tabor Instruments Co, 111 Goundry St, N Tonawanda, N Y
Thermo-Elec Co, 22-02 Raphael St, Fairlawn, N J
Trinity Equipment Corp, 472 Westfield Ave E, Roselle Park, N J
Weston Elect Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
Wheelco Instruments Co, 847 W Harrison St, Chicago 7, Ill
Will Corp, Rochester 3, N Y

THERMOMETERS, BIMETALLIC

American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
Bristol Co, Platts Mills, Waterbury, Conn
W C Dillon & Co, 1421 S Circle Ave, Forest Park, Ill
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Gen Elec Co, Schenectady 5, N Y
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Moeller Instrument Co, 132 St & 89 Ave, Richmond Hill 18, N Y
Perfex Corp, 500 W Oklahoma Ave, Milwaukee, Wis
Rochester Mfg Co, 105 Rockwood St, Rochester 10, N Y
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Thermo Elec Co, Fairlawn, N J
Weston Elect Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J

THERMOMETERS, CONTROLLING

American Mach & Metals, 233 Broadway, N Y 7
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Bristol Co, Platts Mills, Waterbury, Conn
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Emil Greiner Co, 20-26 N Moore St, N Y 13
Illinois Testing Lab, 420 N La Salle St, Chicago 10, Ill
Mason Neilan Regulator Co 1190 Adams St, Boston 24, Mass
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Moeller Instrument Co, 132 St & 89 Ave, Richmond Hill 18, N Y
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
Perfex Corp, 500 W Oklahoma Ave, Milwaukee, Wis
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Weston Elect Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
Wheelco Instruments Co, 847 W Harrison St, Chicago 7, Ill
Will Corp, Rochester 3, N Y

THERMOMETERS, DIAL

American Mach & Metals, 233 Broadway, N Y 7
Bristol Co, Platts Mills, Waterbury, Conn
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
W C Dillon & Co, 1421 S Circle Ave, Forest Park, Ill
Elec Auto-Lite Co, 1200 S Champlain St, Toledo 1, Ohio
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Hauck Mfg Co, 123-133 10 St, Bklyn 15, N Y
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Moeller Instrument Co, 132 St & 89 Ave, Richmond Hill 18, N Y

DORR THICKENERS

Available in a wide variety of types and sizes to fulfill every continuous thickening need, regardless of tonnage involved.

The Dorr Type A Thickener—single compartment . . . in diameters up to 50 feet (Bulletin No. 3001).

The Dorr Torq Thickener—single compartment . . . torq feature automatically reduces overloads (Bulletin No. 3001).

The Dorr Type H Thickener—single compartment, extra-heavy duty, in diameters 50-100 feet.

The Dorr Balanced Tray Thickener—multi-compartment, provides maximum capacity per unit of floor area.

The Dorr Washing Tray Thickener—multi-compartment, provides up to seven stages of counter-current washing in a single unit (Bulletin No. 3071).

THE DORR COMPANY
ENGINEERS
Barry Place, Stamford, Conn.

DORR

THERMOMETERS, DIAL, continued

Powers Regulator Co, 2736 Greenview Ave, Chicago 14, Ill
Rochester Mfg Co, 105 Rockwood St, Rochester 10, N Y
Sarco Co, 350 5 Ave, N Y 1
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Weston Elect Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
Will Corp, Rochester 3, N Y

THERMOMETERS, DIFFERENTIAL

Bristol Co, Platts Mills, Waterbury, Conn
Emil Greiner Co, 20-26 N Moore St, N Y 13
Kewaunee Mfg Co, End of S Center St, Andrian, Mich
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Moeller Instrument Co, 132 St & 89 Ave, Richmond Hill 18, N Y
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Weston Elect Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J

THERMOMETERS, INDICATING

American Mach & Metals, 233 Broadway, N Y 7
Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio
Bristol Co, Platts Mills, Waterbury, Conn
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Elec Auto-Lite Co, 1200 S Champlain St, Toledo 1, Ohio
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Emil Greiner Co, 20-26 N Moore St, N Y 13
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Moeller Instrument Co, 132 St & 89 Ave, Richmond Hill 18, N Y
Moore Products Co, 910 E Lycoming St, Phila 24, Pa
Powers Regulator Co, 2736 Greenview Ave, Chicago 14, Ill
Pyrometer Instrument Co, Portland & Delport Aves, Bergenfield, N J
Rochester Mfg Co, 105 Rockwood St, Rochester 10, N Y
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Weston Elect Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
Wheelco Instruments Co, 847 W Harrison St, Chicago 7, Ill
Will Corp, Rochester 3, N Y

THERMOMETERS, INDUSTRIAL

American Mach & Metals, 233 Broadway, N Y 7
Bristol Co, Platts Mills, Waterbury, Conn
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
W C Dillon & Co, 1421 S Circle Ave, Forest Park, Ill
Elec Auto-Lite Co, 1200 S Champlain St, Toledo 1, Ohio
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Emil Greiner Co, 20-26 N Moore St, N Y 13
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Moeller Instrument Co, 132 St & 89 Ave, Richmond Hill 18, N Y
Powers Regulator Co, 2736 Greenview Ave, Chicago 14, Ill
Pyrometer Instrument Co, Portland & Delport Aves, Bergenfield, N J
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Rochester Mfg Co, 105 Rockwood St, Rochester 10, N Y
George Ruehfel Co, 107-20 101 Ave, Richmond Hill 19 N Y
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Weston Elect Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J

THERMOMETERS, LABORATORY

American Mach & Metals, 233 Broadway, N Y 7
Bristol Co, Platts Mills, Waterbury, Conn

THERMOMETERS' LABORATORY, continued

Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
W C Dillon & Co, 1421 S Circle Ave, Forest Park, Ill
Elec Auto-Lite Co, 1200 S Champlain St, Toledo 1, Ohio
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Emil Greiner Co, 20-26 N Moore St, N Y 13
Hanson-Van Winkle-Munning Co, Matawan, N J
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
H S Martin & Co, 1916 Greenleaf Ave, Evanston, Ill
Moeller Instrument Co, 132 St & 89 Ave, Richmond Hill 18, N Y
Powers Regulator Co, 2736 Greenview Ave, Chicago 14, Ill
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
George Ruehfel Co, 107-20 101 Ave, Richmond Hill 19, N Y
Rochester Mfg Co, 105 Rockwood St, Rochester 10, N Y
Scientific Glass Apparatus Co, Bloomfield, N J
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Weston Elect Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J

THERMOMETERS, RECORDING

American Mach & Metals, 233 Broadway, N Y 7
Bristol Co, Platts Mills, Waterbury, Conn
Elec Auto-Lite Co, 1200 S Champlain St, Toledo 1, Ohio
Fischer & Porter Co, Hatboro, Pa
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Moeller Instrument Co, 132 St & 89 Ave, Richmond Hill 18, N Y
Powers Regulator Co, 2736 Greenview Ave, Chicago 14, Ill
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Weston Elect Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
Wilkens-Anderson Co, 4525 W Div St, Chicago 51, Ill
Will Corp, Rochester 3, N Y

THERMOMETERS, WET AND DRY BULB

Abbeon Supply Co, 179-15 Jamaica Ave, Jamaica 3, N Y
American Mach & Metals, 233 Broadway, N Y 7
Bristol Co, Platts Mills, Waterbury, Conn
Emil Greiner Co, 20-26 N Moore St, N Y 13
Illinois Testing Lab, 420 N LaSalle St, Chicago 10, Ill
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Moeller Instrument Co, 132 St & 89 Ave, Richmond Hill 18, N Y
Powers Regulator Co, 2736 Greenview Ave, Chicago 14, Ill
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
Weston Elect Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
Will Corp, Rochester 3, N Y

THICKENERS

Gen American Transportation Corp, Field Bldg, Chicago 90, Ill
Morse Bros Machy Co, 2900 Brighton Blvd, Denver 1, Col
Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, Ohio
T Shriver & Co, 874 Hamilton St, Harrison, N J

BUYERS' GUIDE ISSUE

TIMERS, ELECTRIC

Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Bristol Co, Platts Mills, Waterbury, Conn
Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis
Elec Hotpack Co, 5035 Cottman Ave, Phila 35, Pa
Emmett Mach & Mfg, 2249 14 St S W, Akron 14, Ohio
Gen Elec Co, Schenectady 5, N Y
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Lumenite Electronic Co, 407 S Dearborn St, Chicago 5, Ill
Perfex Corp, 500 W Oklahoma Ave, Milwaukee, Wis
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
Will Corp, Rochester 3, N Y
G S Wilson & Co, 2 N Passaic Ave, Chatham, N J

TIMERS, PNEUMATIC AND ELECTRONIC

Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Bristol Co, Platts Mills, Waterbury, Conn
Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis
Lumenite Electronic Co, 407 S Dearborn St, Chicago 5, Ill
Photoswitch Inc, 77 Broadway, Cambridge 42, Mass
Photovolt Corp, 95 Madison Ave, N Y
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J
G C Wilson & Co, 2 N Passaic Ave, Chatham, N J

TITRATOR, AUTOMATIC

Beckman Instruments, 820 Mission St, S Pasadena, Cal
Coleman Instruments, 318 Madison Ave, Maywood, Ill
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Milton Roy Co, 1382 Mermaid Lane, Phila 18, Pa
Wilkens-Anderson Co, 4525 W Div St, Chicago 51, Ill
Will Corp, Rochester 3, N Y

TORCHES

Appleton Elec Co, 1713 W Wellington Ave, Chicago 13, Ill
Hauck Mfg Co, 124-136 10 St, Bklyn 15, N Y
Insto Gas Corp, 1977 E Woodbridge, Detroit 7, Mich
Linde Air Products Co, 30 E 42 St, N Y 17
Selas Corp of America, Erie Ave & D St, Phila 34, Pa

TOWERS

Acme Coppersmithing & Mach Co, Oreland, Pa
Babcock & Wilcox, 85 Liberty St, N Y 6
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
S Blickman, 3100 Gregory Ave, Weehawken, N J
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
Corning Glass Works, Corning, N Y
Custodis Construction Co, 25 Broadway, N Y 4
Downingtown Iron Works, Downingtown, Pa
Economy Engrg Co, 4511 W Lake St, Chicago 24, Ill
Falls Industries, Aurora Rd, Solon, Ohio
Glascote Products, 20900 St Clair Ave, Cleveland 17, Ohio
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Lynchburg Foundry Co, Lynchburg, Va
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Stacey Mfg Co, Township & Big 4 RR, Cincinnati 16, Ohio
Struthers-Wells Corp, 1103 Pennsylvania Ave, Warren, Pa
U S Stoneware Co, 60 E 42 St, N Y
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TOWERS, ABSORPTION

Acme Coppersmithing & Mach Co, Oreland, Pa
American Car & Foundry Co, 30 Church St, N Y 7
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Babcock & Wilcox, 85 Liberty St, N Y 6

TOWERS, ABSORPTION, continued

Bethlehem Steel Co, Bethlehem, Pa
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
British-American Carbon Corp, 18 E 48 St, N Y
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Chemsteel Construction Co, 500 Chemsteel Bldg, Pittsburgh 32, Pa
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
Corning Glass Works, Corning, N Y
Downingtown Iron Works, Downingtown, Pa
Electrochem Construction Co, 18 E 41 St, N Y 17
Falls Industries, Aurora Rd, Solon, Ohio
Gasoline Plant Construction Corp, Neils Esperson Bldg, Houston 2, Tex
Goslin-Birmingham Mfg Co, Box 631, Birmingham, Ala
Hammond Drierite Co, 120 Dayton Ave, Xenia, Ohio
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
Koch Engrg Co, 335 W Lewis St, Wichita 2, Kan
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Lummus Co, 385 Madison Ave, N Y 17
Lynchburg Foundry Co, Lynchburg, Va
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Scientific Glass Apparatus Co, Bloomfield, N J
Sentinel Glass Co, Box 58, Hatboro, Pa
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Stacey Mfg Co, Township & Big 4 R R, Cincinnati 16, Ohio
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Struthers Wells Corp, S Franklin St, Titusville, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
U S Stoneware Co, 60 E 42 St, N Y
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex
York Corp, Roosevelt & P R R, York, Pa

TOWERS, ACID

Acme Coppersmithing & Mach Co, Oreland, Pa
Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
Bethlehem Steel Co, Bethlehem, Pa
Blaw-Knox Co, Blawnox, Pa
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Chemsteel Construction Co, 500 Chemsteel Bldg, Pittsburgh 32, Pa
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
Corning Glass Works, Corning, N Y
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgemoor, Del
Electrochem Construction Co, 18 E 41 St, N Y 17
Falls Industries, Aurora Rd, Solon, Ohio
Hauser Stander Tank Co, 4838 Spring Grove Ave, Cincinnati 32, Ohio
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Stacey Mfg Co, Township & Big 4 R R, Cincinnati 16, Ohio
Struthers Wells Corp, S Franklin St, Titusville, Pa
Struthers-Wells Corp, 1103 Pennsylvania Ave, Warren, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
U S Stoneware Co, 60 E 42 St, N Y
Whitlock Mfg Co, 74 South St, Hartford 10, Conn

TOWERS, BUBBLE

Acme Coppersmithing & Mach Co, Oreland, Pa
American Car & Foundry Co, 30 Church St, N Y 7
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Babcock & Wilcox, 85 Liberty St, N Y 6
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
Combustion Engrg-Superheater, 200 Madison Ave, N Y 16
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
Corning Glass Works, Corning, N Y
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgemoor, Del
Falls Industries, Aurora Rd, Solon, Ohio
Foster-Wheeler Corp, 165 Broaway, N Y 6
Fritz W Glitsch & Son, 4800 Singleton Blvd, Dallas 12, Tex
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Lummus Co, 385 Madison Ave, N Y 17
Lynchburg Foundry Co, Lynchburg, Va
National Annealing Box Co, Washington, Pa
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio

TOWERS, BUBBLE, continued

Stacey Mfg Co, Township & Big 4 R R, Cincinnati 16, Ohio
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Struthers Wells Corp, S Franklin St, Titusville, Pa
Struthers-Wells Corp, 1103 Pennsylvania Ave, Warren, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TOWERS, COOLING

Acme Coppersmithing & Mach Co, Oreland, Pa
Acme Industries, 618 N Mechanic St, Jackson, Mich
American Blower Corp, 8111 Tireman St, Detroit 32, Mich
Baker Refrigeration Corp, S Windham, Me
Binks Mfg Co, 3114 Carroll Ave, Chicago 12, Ill
Blaw-Knox Co, Blawnox, Pa
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
Corning Glass Works, Corning, N Y
Downingtown Iron Works, Downingtown, Pa
Falls Industries, Aurora Rd, Solon, Ohio
Foster-Wheeler Corp, 165 Broadway, N Y 6
Lillie-Hoffman Cooling Towers, 4239 Duncan Ave, St Louis 10, Mo
Marley Co, 222 W Gregory Blvd, Kansas City 5, Mo
Mario Coil Co, 6135 Manchester Ave, St Louis, Mo
McQuay Inc, 1600 Broadway N E, Minneapolis 13, Minn
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
J F Pritchard & Co, 908 Grand Ave, Kansas City 6, Mo
Santa Fe Tank & Tower Co, 5401 Boyle Ave, Los Angeles 11, Cal
Sentinel Glass Co, Box 58, Hatboro, Pa
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Struthers Wells Corp, S Franklin St, Titusville, Pa
C H Wheeler Mfg Co, Lehigh & Sedgley Aves, Phila 32, Pa
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Tenney Engrg, 26 Ave B, Newark 5, N J
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TOWERS, EVAPORATOR

Acme Coppersmithing & Mach Co, Oreland, Pa
American Car & Foundry Co, 30 Church St, N Y 7
Blaw-Knox Co, Blawnox, Pa
Corning Glass Works, Corning, N Y
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gasoline Plant Construction Corp, Neils Esperson Bldg, Houston 2, Tex
L O Koven & Bros, 154 Ogden Ave, Jersey City 7, N J
McQuay Inc, 1600 Broadway N E, Minneapolis 13, Minn
National Annealing Box Co, Washington, Pa
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Sentinel Glass Co, Box 58, Hatboro, Pa
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Tenney Engrg, 26 Ave B, Newark 5, N J
M H Treadwell Co, 140 Cedar St, N Y 6
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TOWERS, FRACTIONATING

Acme Coppersmithing & Mach Co, Oreland, Pa
American Car & Foundry Co, 30 Church St, N Y 7
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Berlin Chapman Co, Berlin, Wis
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
S Blickman, 3100 Gregory Ave, Weehawken, N J
Combustion Engr-Superheater, 200 Madison Ave, N Y 16
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
Corning Glass Works, Corning, N Y
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgemoor, Del
Falls Industries, Aurora Rd, Solon, Ohio
Foster-Wheeler Corp, 165 Broadway, N Y 6
Gasoline Plant Construction Corp, Neils Esperson Bldg, Houston 2, Tex
Gilbert & Barker Mfg Co, W Springfield, Mass
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
L O Koven & Bros, 154 Ogden Ave, Jersey City 7, N J
Lummus Co, 385 Madison Ave, N Y 17
Lynchburg Foundry Co, Lynchburg, Va
E F Marsh Engrg Co, 4324 W Clayton St, St Louis 10, Mo
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa

TOWERS, FRACTIONATING, continued

Sentinel Glass Co, Box 58, Hatboro, Pa
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Southwestern Engrg Co, 4800 S Santa Fe Ave, Los Angeles 11, Cal
Stacey Mfg Co, Township & Big 4 R R, Cincinnati 16, Ohio
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Struthers-Wells Corp, 1103 Pennsylvania Ave, Warren, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
U S Stoneware Co, 60 E 42 St, N Y
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio
Whitlock Mfg Co, 74 South St, Hartford 10, Conn
Wyatt Metal & Boiler Works, 6100 Kansas St, Houston, Tex

TOWERS, SCRUBBING

Acme Coppersmithing & Mach Co, Oreland, Pa
American Car & Foundry Co, 30 Church St, N Y 7
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Artisan Metal Products, 73 Pond St, Waltham 54, Mass
Atlantic Tank Corp, 1215 Tonnele Ave, N Bergen, N J
Babcock & Wilcox Tube Co, Beaver Falls, Pa
Btaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
British-American Carbon Corp, 10 E 48 St, N Y
W E Caldwell Co, 2530 Brook St, Louisville, Ky
Chemsteel Construction Co, 500 Chemsteel Bldg, Pittsburgh 32, Pa
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
Corning Glass Works, Corning, N Y
Downingtown Iron Works, Downingtown, Pa
Edgemoor Iron Works, Edgemoor, Del
Electrochem Construction Co, 18 E 41 St, N Y 17
Falls Industries, Aurora Rd, Solon, Ohio
Gasoline Plant Construction Corp, Neils Esperson Bldg, Houston 2, Tex
Graver Tank & Mfg Co, 4809 Tod Ave, E Chicago, Ind
Hauser Stander Tank Co, 4838 Spring Grove Ave, Cincinnati 32, Ohio
Industrial Process Engrs, 2 Lister Ave, Newark 5, N J
L O Koven & Bro, 154 Ogden Ave, Jersey City 7, N J
Nichols Engrg & Research Corp, 60 Wall Tower, N Y 5
Nooter Corp, 1400 S 2 St, St Louis 4, Mo
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
Santa Fe Tank & Tower Co, 5401 Boyle Ave, Los Angeles 11, Cal
Claude B Schneible Co, 2831 25 St, Detroit 16, Mich
A O Smith Corp, 3533 N 27 St, Milwaukee 1, Wis
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio
Stacey Mfg Co, Township & Big 4 R R, Cincinnati 16, Ohio
Stearns-Roger Mfg Co, 1720 California St, Denver 2, Col
Struthers-Wells Corp, 1103 Pennsylvania Ave, Warren, Pa
M H Treadwell Co, 140 Cedar St, N Y 6
U S Stoneware Co, 60 E 42 St, N Y
Vulcan Copper & Supply Co, 120 Sycamore St, Cincinnati, Ohio

TRACTORS, INDUSTRIAL

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Eimco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Elwill-Parker Elec Co, 4037 St Clair Ave, Cleveland 14, Ohio
Frank G Hough Co, Libertyville, Ill
Lewis-Shepard Products, 119 Walnut St, Watertown 72, Mass
Lift Truck Inc, 2425 Spring Grove Ave, Cincinnati 14, Ohio
Silent Hoist & Crane Co, 848 63 St, Bklyn 20, N Y
Struthers Wells Corp, 5 Franklin St, Titusville, Pa

TRANSFORMERS

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Esterline-Angus Co, P O Box 596, Indianapolis 6, Ind
Gen Elec Co, Schenectady 5, N Y
Gen Radio Co, 275 Mass Ave, Cambridge 39, Mass
Hevi Duty Elec Co, 4212 Highland Blvd, Milwaukee, Wis
Sola Elec Co, 4633 W 16 St, Chicago 50, Ill
Wagner Elec Corp, 6400 Plymouth Ave, St Louis 14, Mo
Westinghouse Elec Corp, 306 4 Ave, Pittsburgh 30, Pa

TRANSMISSIONS, VARIABLE SPEED

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
American Blower Corp, 8111 Tireman St, Detroit 32, Mich
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Link-Belt Co, 3405 & Ave S, Seattle 4, Wash
Lovejoy Flexible Coupling Co, 5027 W Lake St, Chicago 44, Ill
Reliance Elec & Engrg Co, 1088 Ivanhoe Rd, Cleveland 10, Ohio
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Western Gear Works, 417 9 Ave S, Seattle 4, Wash

TRAPS, ACID

Duriron Co, 450 N Finley St, Dayton 1, Ohio
Lead Lined Iron Pipe Co, Wakefield, Mass
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
J A Zurn Mfg Co, 1801 Pittsburgh Ave, Erie, Pa

TRAPS, AIR

V D Anderson Co, 1935 W 96 St, Cleveland 2, Ohio
Bowser Inc, 1307 E Creighton Ave, Fort Wayne, Ind
Clark Mfg Co, 1830 E 38 St, Cleveland 14, Ohio
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Kaye & MacDonald, 15 Central Ave, W Orange, N J
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
W H Nicholson & Co, 196 Oregon St, Wilkes-Barre, Pa
Sarco Co, 350 5 Ave, N Y 1
C E Squires Co, 18502 Syracuse Ave, Cleveland, Ohio
Strong, Carlisle & Hammond Co, 1392 W 3 St, Cleveland 13, Ohio

TRAPS, OIL

O C Keckley Co, 400 W Madison St, Chicago 6, Ill
C E Squires Co, 18502 Syracuse Ave, Cleveland, Ohio
Sterling Inc, 3738 N Holton St, Milwaukee 12, Wis
Strong, Carlisle & Hammond Co, 1395 W 3 St, Cleveland 13, Ohio
J A Zurn Mfg Co, 1801 Pittsburgh Ave, Erie, Pa

TRAPS, STEAM

American District Steam Co, 380 Bryant St, N Tonawanda, N Y
V D Anderson Co, 1935 W 96 St, Cleveland 2, Ohio
Clark Mfg Co, 1830 E 38 St, Cleveland 14, Ohio
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Kaye & MacDonald, 15 Central Ave, W Orange, N J
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Kieley & Mueller Inc, 2033 43 St, N Bergen, N J
W H Nicholson & Co, 196 Oregon St, Wilkes-Barre, Pa
Powers Regulator Co, 2736 Greenview Ave, Chicago 14, Ill
Sarco Co, 350 5 Ave, N Y 1
C E Squires Co, 18502 Syracuse Ave, Cleveland, Ohio
Strong, Carlisle & Hammond Co, 1392 W 3 St, Cleveland 13, Ohio
Trane Co, 300 Cameron Ave, La Crosse, Wis
Velan Engrg Co, 1 Exchange Pl, Jersey City, N J
Warren Webster & Co, 1730 Federal St, Camden, N J
Yarnall-Waring Co, 102 E Mermaid Lane, Phila 18, Pa

TRAYS, DRYING AND EVAPORATING

Glasco Equipment Corp, 6 Wait St, Paterson 4, N J
Kirk & Blum Mfg Co, 2833 Spring Grove Ave, Cincinnati 25, Ohio
Logan Co, 1115 Franklin St, Louisville 6, Ky
Metal Products Corp, 50 W 19 St, Weehawken, N J
Multi Metal Wire Cloth Co, 1350 Garrison Ave, N Y
Joseph Oat & Sons, 232 Quarry St, Phila 6, Pa

TRIPPLERS, BELT CONVEYOR

Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Continental Gin Co, P O Box 2416, Birmingham 2, Ala
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Gifford-Wood Co, 5 Hill St, Hudson, N Y
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Link-Belt Co, 3405 & Ave S, Seattle 4, Wash
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Webster Mfg Co, Tiffin, Ohio

TROLLEYS

Colorado Fuel & Iron Corp, P O Box 1920, Denver 1, Col
Lamson Corp, Lamson St, Syracuse 1, N Y
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
Jervis B Webb Co, 8951 Alpine Ave, Detroit, Mich
Whiting Corp, Swenson Evaporator Div, Harvey, Ill
Yale & Towne Mfg Co, Roosevelt Blvd at Haldeman St, Phila 15, Pa

TRUCKS, ELEVATING

Baker-Raulang Co, 1209 W 80 St, Cleveland 2, Ohio
Elwill-Parker Elec Co, 4037 St Clair Ave, Cleveland 14, Ohio
Hyster Co, 2902-91 N E Clackamas, Portland 8, Ore
Lewis-Shepard Products, 119 Walnut St, Watertown 72, Mass
Revolvator Co, 2019 86 St, N Bergen, N J
Service Caster & Truck Corp, 110 Superior St, Albion, Mich
West Bend Equipment Co, West Bend, Wis
Yale & Towne Mfg Co, Roosevelt Blvd at Haldeman St, Phila 15, Pa

TRUCKS, HAND LIFT

E W Buschman Co, Clifton & Spring Grove Ave, Cincinnati 32, Ohio
Hodgson Engr & Mfg Co, 1507 E 7 St, Tulsa 10, Okla
Lewis-Shepard Products, 119 Walnut St, Watertown 72, Mass
Lift Truck Inc, 2425 Spring Grove Ave, Cincinnati 14, Ohio
Rapids-Standard Co, 155 Rapistan Bldg, Grand Rapids 2, Mich
Revolvator Co, 2019 86 St, N Bergen, N J
Service Caster & Truck Corp, 110 Superior St, Albion, Mich
West Bend Equipment Co, West Bend, Wis
Yale & Towne Mfg Co, Roosevelt Blvd at Haldeman St, Phila 15, Pa

TRUCKS, INDUSTRIAL

American Pulley Co, 4200 Wissahickon Ave, Phila 29, Pa
Baker-Raulang Co, 1209 W 80 St, Cleveland 2, Ohio
Elwill-Parker Elec Co, 4037 St Clair Ave, Cleveland 14, Ohio
Fairbanks Co, 393 Lafayette St, N Y 3
Glasco Equipment Corp, 6 Wait St, Paterson, 4 N J
Hyster Co, 2902-91 N E Clackamas, Portland 8, Ore
Lewis-Shepard Products, 119 Walnut St, Watertown 72, Mass
Metal Products Corp, 50 W 19 St, Weehawken, N J
Rapids-Standard Co, 155 Rapistan Bldg, Grand Rapids 2, Mich
Revolvator Co, 2019 86 St, N Bergen, N J
Sabin Mach Co, 6536 Carnegie Ave, Cleveland 3, Ohio
Service Caster & Truck Corp, 110 Superior St, Albion, Mich
Silent Hoist & Crane Co, 848 63 St, Bklyn 20, N Y
Thomas Truck & Caster Co, 20 S 7 St, Keokuk, Iowa
West Bend Equipment Co, West Bend, Wis
Yale & Towne Mfg Co, Roosevelt Blvd at Haldeman St, Phila 15, Pa

TRUCKS, LIFT

Baker-Raulang Co, 1209 W 80 St, Cleveland 2, Ohio
Elwill-Parker Elec Co, 4037 St Clair Ave, Cleveland 14, Ohio
Hodgson Engr & Mfg Co, 1507 E 7 St, Tulsa 10, Okla
Hyster Co, 2902-91 N E Clackamas, Portland 8, Ore
Lewis-Shepard Products, 119 Walnut St, Watertown 72, Mass
Lift Truck Inc, 2425 Spring Grove Ave, Cincinnati 14, Ohio
Revolvator Co, 2019 86 St, N Bergen, N J
Service Caster & Truck Corp, 110 Superior St, Albion, Mich
Silent Hoist & Crane Co, 848 63 St, Bklyn 20, N Y
West Bend Equipment Co, West Bend, Wis
Yale & Towne Mfg Co, Roosevelt Blvd at Haldeman St, Phila 15, Pa

TRUCKS, POWER

Baker-Raulang Co, 1209 W 80 St, Cleveland 2, Ohio
Elwill-Parker Elec Co, 4037 St Clair Ave, Cleveland 14, Ohio
Lewis-Shepard Products, 119 Walnut St, Watertown 72, Mass
Revolvator Co, 2019 86 St, N Bergen, N J
Yale & Towne Mfg Co, Roosevelt Blvd at Haldeman St, Phila 15, Pa

TUBE CLEANERS

Elliott Co, 900 N 4 St, Jeannette, Pa
A B Murray Co, 649 Green Lane, Elizabeth, N J
Thomas C Wilson, 21-11 44 Ave, L I C 5, N Y

TUBE CLIPS, COLLAPSIBLE

Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Palmer Supplies Co, 8905 Lake Ave, Cleveland 2, Ohio
Sheffield Tube Corp, 170 Broad St, New London, Conn

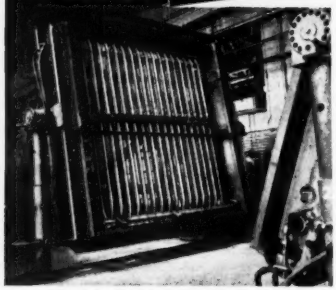
TUBE FILLING AND CLOSING MACHINES

Karl Kiefer Mach Co, 919 Martin St, Cincinnati 2, Ohio
A B Murray Co, 649 Green Lane, Elizabeth, N J
Sheffield Tube Corp, 170 Broad St, New London, Conn
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa

TUBES, CORROSION-RESISTING ALLOY

Allegheny Ludlum Steel Corp, 2020 Oliver Bldg, Pittsburgh 22, Pa
American Brake Shoe Co, Electro Alloys Div, Elyria, Ohio
American Brass Co, Waterbury 20, Conn
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Bridgeport Brass Co, Bridgeport, Conn
Carpenter Steel Co, 101 Bern St, Reading, Pa
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Cherry-Burrell Corp, 427 W Randolph St, Chicago 6, Ill
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore

FABRICATED TUBES



TUBING ASSEMBLIES. B&W offers chemical plants outstanding experience and facilities for fabricating tubing assemblies in sizes, shapes, and analyses for any standard or special processing requirement.

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TUBES, CORROSION-RESISTING ALLOY, continued

Haynes Stellite Co, 30 E 42 St, N Y 17
International Nickel Co, 67 Wall St, N Y 5
A B Murray Co, 649 Green Lane, Elizabeth, N J
Ohio Steel Foundry Co, Springfield, Ohio
Pacific Tube Co, 5710 Smithway, Los Angeles 22, Cal
Pressed Steel Co, 705 N Pennsylvania Ave, Wilkes-Barre, Pa
Republic Steel Corp, 224 E 131 St, Cleveland 8, Ohio
Revere Copper & Brass, 230 Park Ave, N Y 17
Reynolds Metals Co, 2500 S 3 St, Louisville 1, Ky
Schnitzer Alloy Products Co, 631 Pine St, Elizabeth, N J
Standard Tube Co, 24400 Plymouth Rd, Detroit 28, Mich
Superior Tube Co, 2509 Germantown Ave, Norristown, Pa
Timken Roller Bearing Co, 1835 Dueber Ave S W, Canton 6, Ohio
U S Steel Supply Co, 208 LaSalle St, Chicago 4, Ill
Wiley Alloy Tube Co, 600 W 138 St, Riverdale, Ill

TUBES, EVAPORATOR

Acme Coppersmithing & Mach Co, Oreland, Pa
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Babcock & Wilcox Tube Co, Beaver Falls, Pa
Bridgeport Brass Co, Bridgeport, Conn
Brown Fintube Co, Elyria, Ohio
Calumet & Hecla Consolidated Copper Co, 1850 Guardian Bldg, Detroit 26, Mich
Carpenter Steel Co, Springfield Rd, Union, N J
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
International Nickel Co, 67 Wall St, N Y 5
Mich Seamless Tube Co, 400 West Ave, S Lyon, Mich
A B Murray Co, 649 Green Lane, Elizabeth, N J
Republic Steel Corp, 224 E 131 St, Cleveland 8, Ohio
Revere Copper & Brass, 230 Park Ave, N Y 17
Reynolds Metals Co, 2500 S 3 St, Louisville 1, Ky
Standard Tube Co, 24400 Plymouth Rd, Detroit 28, Mich
Superior Tube Co, 2509 Germantown Ave, Norristown, Pa
Tenney Engrg, 26 Ave B, Newark 5, N J
U S Steel Supply Co, 208 LaSalle St, Chicago 4, Ill
York Corp, Roosevelt & P R R, York, Pa

TUBES, HEAT EXCHANGER

Acme Coppersmithing & Mach Co, Oreland, Pa
Aerofin Corp, 401 S Geddes St, Syracuse 1, N Y
American Brass Co, Waterbury 20, Conn
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Babcock & Wilcox Tube Co, Beaver Falls, Pa
Bridgeport Brass Co, Bridgeport, Conn
Brown Tintube Co, Elyria, Ohio

TUBES, HEAT EXCHANGER, continued

Calumet & Hecla Consolidated Copper Co, 1850 Guardian Bldg, Detroit 26, Mich
Carpenter Steel Co, Springfield Rd, Union, N J
Chain Belt Co, 1600 W Bruce St, Milwaukee 4, Wis
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Condenser Service & Engr Co, 95 River St, Hoboken, N J
Corning Glass Works, Corning, N Y
Edgemoor Iron Works, Edgemoor, Del
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Groen Mfg Co, 4531 Armitage Ave, Chicago, Ill
Haynes Stellite Co, 30 E 42 St, N Y 17
International Nickel Co, 67 Wall St, N Y 5
Johnston & Jennings Co, 4700 W Div St, Chicago 51, Ill
Mich Seamless Tube Co, 400 West Ave, S Lyon, Mich
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
A B Murray Co, 649 Green Lane, Elizabeth, N J
Norton Co, 1 New Bond St, Worcester 6, Mass
Pacific Tube Co, 5710 Smithway, Los Angeles 22, Cal
Phoenix Precision Instruments, 3803 N 4 St, Phila 40, Pa
Horace T Potts Co, Erie Ave & D St, Phila, Pa
Republic Steel Corp, 224 E 131 St, Cleveland 8, Ohio
Revere Copper & Brass, 230 Park Ave, N Y 17
Reynolds Metals Co, 2500 S 3 St, Louisville 1, Ky
Standard Tube Co, 24400 Plymouth Rd, Detroit 28, Mich
Superior Tube Co, 2509 Germantown Ave, Norristown, Pa
Timken Roller Bearing Co, 1835 Dueber Ave S W, Canton 6, Ohio
U S Steel Supply Co, 208 LaSalle St, Chicago 4, Ill
York Corp, Roosevelt & P R R, York, Pa

TUBES, PYROMETER

American Car & Foundry Co, 30 Church St, N Y
Corning Glass Works, Corning, N Y
Hoskins Mfg Co, 4445 Lawton Ave, Detroit, Mich
K H Huppert Co, 6830 Cottage Grove Ave, Chicago, Ill
Leeds & Northrup Co, 4970 Stenton Ave, Phila 44, Pa
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Morganite Inc, 33-04 48 Ave, L I C 1, N Y
A B Murray Co, 649 Green Lane, Elizabeth, N J
Norton Co, 1 New Bond St, Worcester 6, Mass
Ohio Steel Foundry Co, Springfield, Ohio
Pressed Steel Co, 705 N Pennsylvania Ave, Wilkes-Barre, Pa
Superior Tube Co, 2509 Germantown Ave, Norristown, Pa
Thermo-Elec Co, 22-02 Raphael St, Fairlawn, N J

TUBES, VENTURI

Builders Providence, 345 Harris Ave, Providence 1, R I
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
A B Murray Co, 649 Green Lane, Elizabeth, N J
Republic Steel Corp, 224 E 131 St, Cleveland 8, Ohio
Standard Tube Co, 24400 Plymouth Rd, Detroit 28, Mich

TUBING, ALUMINUM, BRONZE

American Brass Co, Waterbury 20, Conn
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Bridgeport Brass Co, Bridgeport, Conn
Calumet & Hecla Consolidated Copper Co, 1850 Guardian Bldg, Detroit 26, Mich
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Colonial Alloys Co, Ridge Ave & Crawford St, Phila 29, Pa
Harvey Mach Co, 19200 S Western Ave, Torrance, Cal
Revere Copper & Brass, 230 Park Ave, N Y 17
Reynolds Metals Co, 2500 S 3 St, Louisville 1, Ky

TUBING, CARBON

Falls Industries, Aurora Rd, Solon, Ohio
Mich Seamless Tube Co, 400 West Ave, S Lyon, Mich
A B Murray Co, 649 Green Lane, Elizabeth, N J
Pacific Tube Co, 5710 Smithway, Los Angeles 22, Cal
Republic Steel Corp, 224 E 131 St, Cleveland 8, Ohio
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
U S Steel Supply Co, 208 LaSalle St, Chicago 4, Ill

TUBING, FINNED

Aerofin Corp, 401 S Geddes St, Syracuse 1, N Y
Brown Fintube Co, Elyria, Ohio
Calumet & Hecla Consolidated Copper Co, 1850 Guardian Bldg, Detroit 26, Mich
Griscom-Russell Co, Massillon, Ohio
David E Kennedy, 58 2 Ave, Bklyn 15, N Y
McQuay Inc, 1600 Broadway N E, Minneapolis 13, Minn
A B Murray Co, 649 Green Lane, Elizabeth N J
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Stacey Bros Gas Construction Co, 5535 Vine St, Cincinnati 16, Ohio

TUBING, GLASS

Corning Glass Works, Corning, N Y
Fisher & Porter Co, Hatboro, Pa
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
H S Martin & Co, 1916 Greenleaf Ave, Evanston, Ill
Phoenix Precision Instruments, 3803 N 4 St, Phila 40, Pa
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Sentinel Glass Co, Box 58, Hatboro, Pa
Arthur H Thomas Co, 230 S 7 St, Phila, Pa
Uehling Instrument Co, 468 Getty Ave, Patterson 3, N J
Will Corp, Rochester 3, N Y

TUBING, GLASS, PRECISION BORE

Corning Glass Works, Corning, N Y
Fischer & Porter Co, Hatboro, Pa
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Phoenix Precision Instruments, 3803 N 4 St, Phila 40, Pa
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Scientific Glass Apparatus Co, Bloomfield, N J
Sentinel Glass Co, Box 58, Hatboro, Pa
Uehling Instrument Co, 468 Getty Ave, Patterson 3, N J
Will Corp, Rochester 3, N Y

TUBING, HARD RUBBER

Aeroquip Corp, 300 S East Ave, Jackson, Mich
American Hard Rubber Co, 11 Mercer St, N Y 13
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Flexible Valve Co, 404 Commercial Ave, Palisades, N J
Hewitt-Robins, Hewitt Rubber Div, 240 Kensington Ave, Buffalo 5, N Y
Luzerne Rubber Co, Trenton 7, N J
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
H K Porter Co, 4915 Comly St, Wissinoming, Phila 24, Pa
Standard Tube Co, 24400 Plymouth Rd, Detroit 28, Mich
Stokes Molded Products, Trenton 4, N J

TUBING, NICKEL ALLOY

Babcock & Wilcox Tube Co, Beaver Falls, Pa
Bridgeport Brass Co, Bridgeport, Conn
Calumet & Hecla Consolidated Copper Co, 1850 Guardian Bldg, Detroit 26, Mich
Carpenter Steel Co, Springfield Rd, Union, N J
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
Edgemoor Iron Works, Edgemoor, Del
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Gen Alloys Co, 405 W 1 St, Boston, Mass
Haynes Stellite Co, 30 E 42 St, N Y 17
International Nickel Co, 67 Wall St, N Y 5
Mich Pipe Co, Bay City, Mich
A B Murray Co, 649 Green Lane, Elizabeth, N J
Revere Copper & Brass, 230 Park Ave, N Y 17
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
Standard Tube Co, 24400 Plymouth Rd, Detroit 28, Mich
Superior Tube Co, 2509 Germantown Ave, Norristown, Pa
Timken Roller Bearing Co, 1835 Dueber Ave S W, Canton 6, Ohio

TUBING, PLASTIC

American Hard Rubber Co, 11 Mercer St, N Y 13
Carolon Products Corp, 10425 Meech Ave, Cleveland 5, Ohio
Enthone Inc, 442 Elm St, New Haven, Conn
Filter Paper Co, 2442 S Mich Ave, Chicago 16, Ill
Gen Elec Co, Pittsfield, Mass
Irvington Varnish & Insulator Co, 6 Argyle Terrace Irvington 11, N J
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Plax Corp, 450 Asylum St, Hartford 1, Conn
Presstite Engrg Co, 3900 Chouteau, St Louis 10, Mo
Resistoflex Corp, 37 Plansoen St, Belleville 9, N J
U S Rubber Co, 1230 6 Ave, N Y 20
U S Stoneware Co, 60 E 42 St, N Y
Wilkens-Anderson Co, 4525 W Div St, Chicago 51, Ill
Will Corp, Rochester 3, N Y

TUBING, POLYETHYLENE

Visking Corp, P O Box 1410, Terre Haute, Ind

TUBING, PROTECTED PNEUMATIC

Bailey Meter Co, 1054 Ivanhoe St, Cleveland 10, Ohio

TUBING, RUBBER

Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill

TUBING, SARAN

American Hard Rubber Co, 11 Mercer St, N Y 13
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
J C Miller Co, 631 Chestnut S W Grand Rapids, Mich
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Wm W Stanley, 401 Broadway, N Y
Wilkens-Anderson Co, 4525 W Div St, Chicago 51, Ill

TUBING, SEAMLESS

American Hard Rubber Co, 11 Mercer St, N Y 13
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Babcock & Wilcox Tube Co, Beaver Falls, Pa
Calumet & Hecla Consolidated Copper Co, 1850 Guardian Bldg, Detroit 26, Mich
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Chicago Metal Hose Co, 1315 S 3 St, Maywood, Ill
Edgemoor Iron Works, Edgemoor, Del
International Nickel Co, 67 Wall St, N Y 5
International Selling Corp, 70 Pine St, N Y
Lead Lined Iron Pipe Co, Wakefield, Mass
Mich Seamless Tube Co, 400 West Ave, S Lyon, Mich
A B Murray Co, 649 Green Lane, Elizabeth 4, N J
Pacific Tube Co, 5710 Smithway, Los Angeles 22, Cal
Plax Corp, 450 Asylum St, Hartford 1, Conn
Revere Copper & Brass, 230 Park Ave, N Y 17
Reynolds Metals Co, 2500 S 3 St, Louisville 1, Ky
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
Superior Tube Co, 2509 Germantown, Ave, Norristown, Pa
Timken Roller Bearing Co, 1835 Dueber Ave S W, Canton 6, Ohio
U S Steel Supply Co, 208 LaSalle St, Chicago 4, Ill

TUBING, STAINLESS

Allegheny Ludlum Steel Corp, 2020 Oliver Bldg, Pittsburgh 22, Pa
Autoclave Engrs, 860 E 19 St, Erie, Pa
Babcock & Wilcox Tube Co, Beaver Falls, Pa
Carpenter Steel Co, Springfield Rd, Union, N J
Cherry-Burrell Corp, 427 W Randolph St, Chicago 6, Ill
Chicago Metal Hose Co, 1315 S 3 St, Maywood, Ill
Continental Steel & Copper Ind, 500 Market St, Perth Amboy, N J
Crucible Steel Co of America, 405 Lexington Ave, N Y 17
Duraloy Co, Scottdale, Pa
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Gen Alloys Co, 405 W 1 St, Boston, Mass
Mich Pipe Co, Bay City, Mich
A B Murray Co, 649 Green Lane, Elizabeth, N J
Pacific Tube Co, 5710 Smithway, Los Angeles 22, Cal
Horace T Potts Co, Erie Ave & D St, Phila, Pa
Republic Steel Corp, 224 E 131 St, Cleveland 8, Ohio
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
Schnitzer Alloy Products Co, 631 Pine St, Elizabeth, N J
Standard Tube Co, 24400 Plymouth Rd, Detroit 28, Mich
Superior Tube Co, 2509 Germantown Ave, Norristown, Pa
Timken Roller Bearing Co, 1835 Dueber Ave S W, Canton 6, Ohio
Tri-Clover Mach Co, Kenosha, Wis
Unistel Textile Mach Corp, 42 Main St, Portchester, N Y
U S Steel Supply Co, 208 LaSalle St, Chicago 4, Ill
Wiley Alloy Tube Co, 600 W 138 St, Riverdale, Ill

TURBINES, GAS

Elliott Co, 900 N 4 St, Jeannette, Pa
Gen Elec Co, Schenectady 5, N Y

TURBINES, STEAM

De Laval Steam Turbine Co, 853 Nottingham Way, Trenton 2, N J
Elliott Co, 900 N 4 St, Jeannette, Pa
Gen Elec Co, Schenectady 5, N Y
Whiton Mach Co, 190 Howard St, New London, Conn
L J Wing Mfg Co, 300 Vreland Mills Rd, Linden, N J

TURNTABLES

Revolvator Co, 2019 86 St, N Bergen, N J
Stephen-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Whiting Corp, Swenson Evaporation Div, Harvey, Ill

UNLOADERS, CAR

Barber-Greene Co, 631 W Park St, Aurora, Ill
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
J C Corrigan Co, 41 Norwood St, Boston 22, Mass
Elmco Corp, 634 S 4 W St, Salt Lake City 4, Utah
Fairfield Engrg Co, Marion, Ohio
A B Farquhar Corp, 142 N Duke St, York, Pa
Flexoveyor Mfg Co, 1220 S Acoma St, Denver 10, Col
George Haiss Mfg Co, 381 Canal Pl, Bronx 51, N Y
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
Frank G Hough Co, Libertyville, Ill
E C Horne Machy Co, 17 & Curtis St, Denver 2, Col
Hyster Co, 2902-91 N E Clackamas, Portland 8, Ore
Island Equipment Corp, 27-01 Bridge Plaza N, L I C 1, N Y
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
Richardson Scale Co, 668 Van Houten Ave, Clifton, N J
Sprout Waldron & Co, 1221 Sherman St, Muncy, Pa
Stearns Magnetic Mfg Co, 672 S 28 St, Milwaukee 46, Wis
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Sutorbilt Corp, 2008 E Slauson Ave, Los Angeles 11, Cal
Webster Mfg Co, Tiffin, Ohio
Wellman Engrg Co, 7000 Central Ave, Cleveland, Ohio

UNLOADERS, VIBRATING, CAR

Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
W S Rockwell Co, 270 Eliot St, Fairfield, Conn

VALVES

American Car & Foundry Co, 30 Church St, N Y 7
American Chain & Cable Co, R-P & C Valve Div, Reading, Pa
American Hard Rubber Co, 11 Mercer St, N Y 13
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Atlas Valve Co, 282 South St, Newark 2, N J
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Blaw-Knox Co, Blawnox, Pa
Carpenter Sales Corp, 9518 Detroit Ave, Cleveland 2, Ohio
Chapman Valve Mfg Co, 203 Hampshire St, Indian Orchard, Mass
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Crosby Steam Gage & Valve Co, 43 Kendrick St, Wrentham, Mass
Darling Valve & Mfg Co, Ft of Walnut St, Williamsport 61, Pa
Denison Engrg Co, 1160 Dublin Rd, Columbus 16, Ohio
Dezurik Shower Co, Sartell, Minn
Distillation Products Industries, Rochester 3, N Y
Edward Valves, 1200 145 St, E Chicago, Ind
Everlasting Valve Co, 49 Fiske St, Jersey City 5, N J
Fairbanks Co, 393 Lafayette St, N Y 3
Falls Industries, Aurora Rd, Solon, Ohio
Farris Engrg Corp, 400 Commercial Ave, Palisades Park, N J
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Flexible Valve Co, 404 Commercial Ave, Palisades, N J
Frick Co, Waynesboro, Pa
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Gen Mach Co of N J, 398 Market St, Newark 5, N J
Golden-Anderson Valve Specialty Co, 207 Keenan Bldg, Pittsburgh 22, Pa
Grinnell Co, 260 W Exchange St, Providence 1, R I
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Hills-McCanna Co, 3025 N Western Ave, Chicago 18, Ill
Jenkins Bros, 80 White St, N Y 17
Jerguson Gage & Valve Co, Somerville, Mass
Kerotest Mfg Co, 2525 Liberty Ave, Pittsburgh 22, Pa
S P Kinney Engrs, 201 2 Ave, Carnegie, Pa
Lapp Insulator Co, Le Roy, N Y
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Lunkenheimer Co, Beekman St & Waverly Ave, Cincinnati 14, Ohio
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
McNally-Pittsburg Mfg Co, Pittsburg, Kan
Meter & Valve Div, 400 N Lexington, Pittsburgh 8, Pa

VALVES, continued

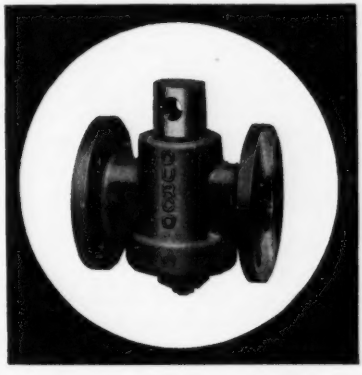
Mine & Smelter Supply Co, 1322 17 St, Denver 17, Col
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
North American Mfg Co, 4455 E 71 St, Cleveland 5, Ohio
Ohio Brass Co, Mansfield, Ohio
Perfex Corp, 500 W Oklahoma Ave, Milwaukee, Wis
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
R-S Products Corp, 100 Berkley St, Phila, Pa
Schade Valve Mfg Co, 2527 N Bodine St, Phila 33, Pa
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Sellers Injector Corp, 1600 Hamilton St, Phila 30, Pa
Stockham Valves & Fittings, P O Box 2592, Birmingham 2, Ala
Viter Mfg Co, 2217 S 1 St, Milwaukee 7, Wis
W-K-M Co, 221 Roberts, Houston, Tex
Walworth Co, 60 E 42 St, N Y 17
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio
D T Williams Valve Co, 1086 Summer St, Cincinnati 2, Ohio

VALVES, ACID RESISTING

Alloy Steel Products Co, 1300 W Elizabeth Ave, Linden, N J
American Chain & Cable Co, R-P & C Valve Div, Reading, Pa
American Hard Rubber Co, 11 Mercer St, N Y 13
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Atlas Valve Co, 282 South St, Newark 2, N J
Autoclave Engrs, 860 E 19 St, Erie, Pa
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Carpenter Sales Corp, 9518 Detroit Ave, Cleveland 2, Ohio
Cooper Alloy Foundry Co, 130 Bloy St, Hillside 5, N J
Corning Glass Works, Corning, N Y
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Darling Valve & Mfg Co, Ft of Walnut St, Williamsport 61, Pa
Dezurik Shower Co, Sartell, Minn
Duriron Co, 450 N Finley St, Dayton 1, Ohio
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Electrochem Construction Co, 18 E 41 St, N Y 17
Emmett Mach & Mfg, 2249 14 St S W, Akron 14, Ohio
Everlasting Valve Co, 49 Fiske St, Jersey City 5, N J

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corrosion resisting valves for flow control in practically all services. Plug valves, Y valves, angle valves, diaphragm valves, and check valves in alloys to handle practically all corrosive solutions.



Non-lubricated Type F plug valve (shown) is outstanding development in flow control. Designed specifically for heavy chemical service; has been tested and proved in hundreds of applications. Write for free descriptive literature.

DURCO
CORROSION RESISTING ALLOYS & EQUIPMENT

THE DURIRON COMPANY, INC.
Box 1019, Dayton 1, Ohio

VALVES, ACID RESISTING, continued

Falls Industries, Aurora Rd, Solon, Ohio
Farris Engrg Corp, 400 Commercial Ave, Palisades Park, N J
Flexible Valve Co, 404 Commercial Ave, Palisades, N J
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Grinnell Co, 260 W Exchange St, Providence 1, R I
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Hills-McCanna Co, 3025 N Western Ave, Chicago 18, Ill
Illinois Elec Porcelain Co, Box 272, Macomb, Ill
Illium Corp, P O Box 478, Freeport, Ill
Jenkins Bros, 80 White St, N Y 17
Jerguson Gage & Valve Co, Somerville, Mass
Kieley & Mueller Inc, 2033 43 St, N Bergen, N J
Lapp Insulator Co, Le Roy, N Y
Lead Lined Iron Pipe Co, Wakefield, Mass
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Lunkenheimer Co, Beekman St & Waverly Ave, Cincinnati 14, Ohio
Luzerne Rubber Co, Trenton 7, N J
Meter & Valve Div, 400 N Lexington, Pittsburgh 8, Pa
Mine & Smelter Su.ply Co, 1322 17 St, Denver 17, Col
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Permutit Co, 330 W 42 St, N Y 18
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
R-S Products Corp, 100 Berkely St, Phila, Pa
Raybestos-Manhattan, 61 Willet St, Passaic, N J
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Schnitzer Alloy Products Co, 631 Pine St, Elizabeth, N J
Sellers Injector Corp, 1600 Hamilton St, Phila 30, Pa
Sentinel Glass Co, Box 58, Hatboro, Pa
U S Stoneware Co, 60 E 42 St, N Y
W-K-M Co, 221 Roberts, Houston, Tex
Walworth Co, 60 E 42 St, N Y 17
Wiley Alloy Tube Co, 600 W 138 St, Riverdale, Ill

VALVES, ALLOY STEEL

Alloy Steel Products Co, 1300 W Elizabeth Ave, Linden, N J
American Chain & Cable Co, R-P & C Valve-Div, Reading, Pa
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Cameron Iron Works, P O Box 1212, Houston 3, Tex
Carpenter Sales Corp, 9518 Detroit Ave, Cleveland 2, Ohio
Chapman Valve Mfg Co, 203 Hampshire St, Indian Orchard, Mass
Cooper Alloy Foundry Co, 130 Bloy St, Hillside 5, N J
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Crosby Steam Gage & Valve Co, 43 Kendrick St, Wrentham, Mass
Darling Valve & Mfg Co, Ft of Walnut St, Williamsport 61, Pa
Dezurik Shower Co, Sartell, Minn
Distillation Products Industries, Rochester 3, N Y
Edward Valves, 1200 145 St, E Chicago, Ind
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Farris Engrg Corp, 400 Commercial Ave, Palisades Park, N J
Grinnell Co, 260 W Exchange St, Providence 1, R I
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Hills-McCanna Co, 3025 N Western Ave, Chicago 18, Ill
Jenkins Bros, 80 White St, N Y 17
Kerotest Mfg Co, 2525 Liberty Ave, Pittsburgh 22, Pa
Kieley & Mueller Inc, 2033-43 St, N Bergen, N J
Lunkenheimer Co, Beekman St & Waverly Ave, Cincinnati 14, Ohio
Meter & Valve Div, 400 N Lexington, Pittsburgh 8, Pa
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
R-S Products Corp, 100 Berkley St, Phila, Pa
Schade Valve Mfg Co, 2527 N Bodine St, Phila 33, Pa
Sellers Injector Corp, 1600 Hamilton St, Phila 30, Pa
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
W-K-M Co, 221 Roberts, Houston, Tex
Walworth Co, 60 E 42 St, N Y 17
Wiley Alloy Tube Co, 600 W 138 St, Riverdale, Ill

VALVES, ALUMINUM ALLOY

Cameron Iron Works, P O Box 1212, Houston 3, Tex
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Darling Valve & Mfg Co, Ft of Walnut St, Williamsport 61, Pa
Dezurik Shower Co, Sartell, Minn
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Gen Mach Co of N J, 398 Market St, Newark 5, N J
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Hills-McCanna Co, 3025 N Western Ave, Chicago 18, Ill
Jenkins Bros, 80 White St, N Y 17
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
R-S Products Corp, 100 Berkley St, Phila, Pa
Reynolds Metals Co, 2500 S 3 St, Louisville, Ky
Sellers Injector Corp, 1600 Hamilton St, Phila 30, Pa
Wiley Alloy Tube Co, 600 W 138 St, Riverdale, Ill

VALVES, AUTOMATIC

Atlas Valve Co, 282 South St, Newark 2, N J
Automatic Switch Co, 391 Lakeside Ave, Orange, N J
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Dezurik Shower Co, Sartell, Minn
Edward Valves, 1200 145 St, E Chicago, Ind
Farris Engrg Corp, 400 Commercial Ave, Palisades Park, N J
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Flexible Valve Co, 404 Commercial Ave, Palisades, N J
Frick Co, Waynesboro, Pa
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Golden-Anderson Valve Specialty Co, 207 Keenan Bldg, Pittsburgh 22, Pa
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Hills-McCanna Co, 3025 N Western Ave, Chicago 18, Ill
Kaye & MacDonald, 15 Central Ave, W Orange, N J
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Lunkenheimer Co, Cincinnati 14, Ohio
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
McDonnell & Miller, 3500 N Spaulding Ave, Chicago 18, Ill
Meter & Valve Div, 400 N Lexington, Pittsburgh 8, Pa
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Perfex Corp, 500 W Oklahoma Ave, Milwaukee, Wis
Permutit Co, 330 W 42 St, N Y 18
R-S Products Corp, 100 Berkley St, Phila, Pa
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Schade Valve Co, 2527 N Bodine St, Phila 33, Pa
Soence Engrg Co, Walden, N Y
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J

VAVLES, BACK PRESSURE

Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Cochrane Corp, 3154 N 17 St, Phila 32, Pa
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Farris Engrg Corp, 400 Commercial Ave, Palisades Park, N J
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Golden-Anderson Valve Specialty Co, 207 Keenan Bldg, Pittsburgh 22, Pa
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Kennedy Valve Mfg Co, 1021 E Water St, Elmira, N Y
Kieley & Mueller Inc, 2033 43 St, N Bergen, N J
Leslie Co, Grant Ave, Lyndhurst, N J
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
R-S Products Corp, 100 Berkley St, Phila, Pa
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Spence Engrg Co, Walden, N Y
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark, N J

VALVES, BLOWOFF

Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Cleveland Vibrator Co, 2828 Clinton Ave, Cleveland 13, Ohio
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Edward Valves, 1200 145 St, E Chicago, Ind
Everlasting Valve Co, 49 Fiske St, Jersey City 4, N J
Fairbanks Co, 393 Lafayette St, N Y 3
Hydraulic Press Mfg Co, 3006 Marion Rd, Mt Gilead, Ohio
Jenkins Bros, 80 White St, N Y 17
Kave & MacDonald, 15 Central Ave, W Orange, N J
S P Kinney Engrs, 201 2 Ave, Carnegie, Pa
Lunkenheimer Co, Beekman St & Waverly Ave, Cincinnati 14, Ohio
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
McDonnell & Miller, 3500 N Spaulding Ave, Chicago 18, Ill
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
Schade Valve Co, 2527 N Bodine St, Phila 33, Pa
Sellers Injector Corp, 1600 Hamilton St, Phila 30, Pa
Strong, Carlisle & Hammond Co, 1395 W 3 St, Cleveland 13, Ohio
U S Steel Supply Co, 208 LaSalle St, Chicago 4, Ill
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio
D T Williams Valve Co, 1086 Summer St, Cincinnati 2, Ohio
Yarnall-Waring Co, 102 E Mermaid Lane, Phila 18, Pa

VALVES, BUTTERFLY

Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Chapman Valve Mfg Co, 203 Hampshire St, Indian Orchard, Mass
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Fischer & Porter Co, Hatboro, Pa
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Gen Mach Co of N J, 398 Market St, Newark 5, N J
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Hauck Mfg Co, 124-136 10 St, Bklyn 15, N Y
S P Kinney Engrs, 201 2 Ave, Carnegie, Pa
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
North American Mfg Co, 4455 E 71 St, Cleveland 5, Ohio
Ohio Steel Foundry Co, Springfield, Ohio
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
R-S Products Corp, 100 Berkey St, Phila, Pa
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Sellers Injector Corp, 1600 Hamilton St, Phila 30, Pa
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa
Trane Co, 300 Cameron Ave, La Crosse, Wis

VALVES, BYPASS

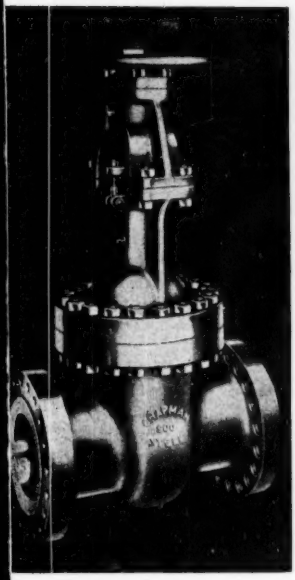
Atlas Valve Co, 282 South St, Newark 2, N J
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Chapman Valve Mfg Co, 203 Hampshire St, Indian Orchard, Mass
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Darling Valve & Mfg Co, Ft of Walnut St, Williamsport 61, Pa
Edward Valves, 1200 145 St, E Chicago, Ind
Frick Co, Waynesboro, Pa
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Hydraulic Press Mfg Co, 3006 Marion Rd, Mt Gilead, Ohio
Jenkins Bros, 80 White St, N Y 17
Kennedy Valve Mfg Co, 1021 E Water St, Elmira, N Y
Lunkenheimer Co, Cincinnati 14, Ohio
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Monarch Mfg Co Works, 2501 E Ontario St, Phila 34, Pa
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Sellers Injector Corp, 1600 Hamilton St, Phila 30, Pa
Walworth Co, 60 E 42 St, N Y 17
York Corp, Roosevelt & P R R, York, Pa

VALVES, CHECK

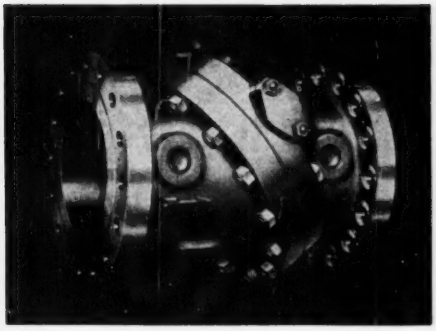
Allen-Sherman-Hoff Co, 259 E Lancaster Ave, Wynnewood, Pa
American Car & Foundry Co, 30 Church St, N Y 7
American Chain & Cable Co, R-P & C Valve Div, Reading, Pa
American Hard Rubber Co, 11 Mercer St, N Y 13
Autoclave Engrs, 860 E 19 St, Erie, Pa
Chapman Valve Mfg Co, 203 Hampshire St, Indian Orchard, Mass
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
James B Clow & Sons, 201-299 N Talman Ave, Chicago 80, Ill
Cochrane Corp, 3154 N 17 St, Phila 32, Pa
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Darling Valve & Mfg Co, Ft of Walnut St, Williamsport 61, Pa
Duriron Co, 450 N Finley St, Dayton 1, Ohio
Duraloy Co, Scottdale, Pa
Fairbanks Co, 393 Lafayette St, N Y 3
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Golden-Anderson Valve Specialty Co, 207 Keenan Bldg, Pittsburgh 22, Pa
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Hydraulic Press Mfg Co, 3006 Marion Rd, Mt Gilead, Ohio
Illinois Elec Porcelain Co, Box 272, Macomb, Ill
Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
Jenkins Bros, 80 White St, N Y 17
Kennedy Valve Mfg Co, 1021 E Water St, Elmira, N Y
Kerotest Mfg Co, 2525 Liberty Ave, Pittsburgh 22, Pa
King Engrg Corp, 415 Detroit St, Ann Arbor, Mich
Lunkenheimer Co, Beekman St & Waverly Ave, Cincinnati 14, Ohio
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
H S Martin & Co, 1916 Greenleaf Ave, Evanston, Ill
McNally-Pittsburg Mfg Co, Pittsburg, Kan
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Ohio Brass Co, Mansfield, Ohio
Oliver United Filters, 2900 Glascock St, Oakland 1, Cal

CHAPMAN VALVES

for All New Chemical Processes



(B) 900 lb. Solid-Wedge Steel Gate Valve. A.S.A. and A.P.I. Ratings.



(A) Non-Slam Tilting-Disc Steel Check Valve prevents head-loss and damage to pipe lines.



(C) List 960 Forged Steel Small Gate Valve (¼" to 2") with super-hardened seat and wedge.

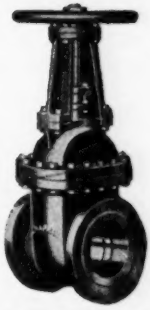


150-lb. Solid Wedge Steel e Valve A.S.A. and A.P.I. ings.

In the development of all today's widely used chemical processes . . . including production of synthetic rubbers . . . Chapman has been one of the chief reliances of the industry in meeting new requirements for valves. Shown here are a few Chapman Valves, developed for special requirements, which are now included in Chapman's standard line.

Through many years of experience, chemical researchists have learned that Chapman's laboratory technicians, designers, and field engineers can always be counted on for 100% co-operation . . . that Chapman has invaluable facilities for producing special alloy steels . . . and that Chapman's solid grounding of practical experience in pioneering new processes is a powerful aid to progress.

Are *you* taking full advantage of Chapman co-operation and "know-how"? If not, let's talk it over, and see how we can help.



(E) List 106 Iron Body Double-Disc Gate Valve, rated 800 lb. pressure.

The CHAPMAN VALVE MFG. COMPANY

INDIAN ORCHARD, MASSACHUSETTS

VALVES, CHECK, continued

Parker Appliance Co, 17325 Euclid Ave, Cleveland 12, Ohio
Pennsylvania Pump & Compressor Co, Easton, Pa
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
Schaible Co, 1086 Summer, Cincinnati, Ohio
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Sellers Injector Corp, 1600 Hamilton St, Phila 30, Pa
Stockham Valves & Fittings, P O Box 2592, Birmingham, Ala
Edward Valves, 1200 145 St, E Chicago, Ind 2
Vapor Recovery Systems Co, 2820 N Alameda St, Compton 2, Cal
Walworth Co, 60 E 42 St, N Y 17
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio
D T Williams Valve Co, 1086 Summer St, Cincinnati 2, Ohio
York Corp, Roosevelt & P R R, York, Pa

VALVES, CONTROL, ELECTRIC

Automatic Switch Co, 391 Lakeside Ave, Orange, N J
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Barksdale Valves Co, 1566 E Slavson Ave, Los Angeles 58, Cal
Chapman Valve Mfg Co, 203 Hampshire St, Indian Orchard, Mass
James B Clow & Sons, 201-299 N Talman Ave, Chicago 80, Ill
Cutler-Hammer, 315 N 12 St, Milwaukee 1, Wis
Darling Valve & Mfg Co, Ft of Walnut St, Williamsport 61, Pa
Edward Valves, 1200 145 St, E Chicago, Ind
Flexible Valve Co, 404 Commercial Ave, Palisades, N J
Frick Co, Waynesboro, Pa
Gen Elec Co, Schenectady 5, N Y
Gen Mach Co of N J, 398 Market St, Newark 5, N J
Golden-Anderson Valve Specialty Co, 207 Keenan Bldg, Pittsburgh 22, Pa
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
Hanna Engrg Works, 1765 Elston Ave, Chcago 22, Ill
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Hills-McCanna Co, 3025 N Western Ave, Chicago 18, Ill
Hydraulic Press Mfg Co, 3006 Marion Rd, Mt Gilead, Ohio
Jenkins Bros, 80 White St, N Y 17
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Kennedy Valve Mfg Co, 1021 E Water St, Elmira, N Y
Lunkenheimer Co, Cincinnati 14, Ohio
McDonnell & Miller, 3500 N Spaulding Ave, Chicago 18, Ill
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Perfex Corp, 500 W Oklahoma Ave, Milwaukee, Wis
Permutit Co, 330 W 42 St, N Y 18
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
R-S Products Corp, 100 Berkley St, Phila, Pa
Sarco Co, 350 5 Ave, N Y 1
Schade Valve Co, 2527 N Bodine St, Phila 33, Pa
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Spence Engrg Co, Walden, N Y
Stockham Valves & Fittings, Box 2592, Birmingham, Ala
Wallace & Tiernan, 1 Main St, Belleville, N J
Walworth Co, 60 E 42 St, N Y 17

VALVES, CONTROL, HYDRAULIC

Autoclave Engrs, 860 E 19 Et, Erie, Pa
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Barksdale Valves Co, 1566 E Slavson Ave, Los Angeles 58, Cal
Black Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Chapman Valve Mfg Co, 203 Hampshire St, Indian Orchard, Mass
James B Clow & Sons, 201-299 N Talman Ave, Chicago 80, Ill
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Darling Valve & Mfg Co, Ft of Walnut St, Williamsport 61, Pa
Denison Engrg Co, 1160 Dublin Rd, Columbus 16, Ohio
Dezurik Shower Co, Sartell, Minn
Flexible Valve Co, 404 Commercial Ave, Palisades, N J
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Golden-Anderson Valve Specialty Co, 207 Keenan Bldg, Pittsburgh 22, Pa
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
Hanna Engrg Works, 1765 Elston Ave, Chicago 22, Ill
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Hills-McCanna Co, 3025 N Western Ave, Chicago 18, Ill
Hydraulic Press Mfg Co, 3006 Marion Rd, Mt Gilead, Ohio
Jenkins Bros, 80 White St, N Y 17
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Kennedy Valve Mfg Co, 1021 E Water St, Elmira, N Y
Lunkenheimer Co, Cincinnati 14, Ohio
McDonnell & Miller, 3500 N Spaulding Ave, Chicago 18, Ill
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Parker Appliance Co 17325 Euclid Ave, Cleveland 12, Ohio
Permutit Co, 330 W 42 St, N Y 18
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio

VALVES, CONTROL, HYDRAULIC, continued

R-S Products Corp, 100 Berkley St, Phila, Pa
Sarco Co, 350 5 Ave, N Y 1
Schade Valve Mfg Co, 2527 N Bodine St, Phila 33, Pa
Spence Engrg Co, Walden, N Y
Wallace & Tiernan, 1 Main St, Belleville, N J
Walworth Co, 60 E 42 St, N Y 17
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio
Yarnall-Waring Co, 102 E Mermaid Lane, Phila 18, Pa

VALVES, CORROSION RESISTANT

Alloy Steel Products Co, 1300 W Elizabeth Ave, Linden, N J
American Car & Foundry Co, 30 Church St, N Y 7
American Chain & Cable Co, R-P & C Valve Div, Reading, Pa
American Hard Rubber Co, 11 Mercer St, N Y 13
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Autoclave Engrs, 860 E 19 St, Erie, Pa
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Barksdale Valves Co, 1566 E Slavson Ave, Los Angeles 58, Cal
Cameron Iron Works, Katy at Silber Rd, P O Box 1212, Houston 1, Tex
Carpenter Sales Corp, 9518 Detroit Ave, Cleveland 2, Ohio
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Cooper Alloy Foundry Co, 130 Bloy St, Hillside 5, N J
Corning Glass Works, Corning, N Y
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Crosby Steam Gage & Valve Co, 43 Kendrick St, Wrentham, Mass
Darling Valve & Mfg Co, Ft of Walnut St, Williamsport 61, Pa
Dezurik Shower Co, Sartell, Minn
Duraloy Co, Scottdale, Pa
Durion Co, 450 N Finley St, Dayton 1, Ohio
Edward Valves, 1200 145 St, E Chicago, Ind
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Electrochem Construction Co, 18 E 41 St, N Y 17
Emmett Mach & Mfg, 2249 14 St S W, Akron 14, Ohio
Everlasting Valve Co, 49 Fiske St, Jersey City 5, N J
Fails Industries, Aurora Rd, Solon, Ohio
Farris Engrg Corp, 400 Commercial Ave, Palisades Park, N J
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Flexible Valve Co, 404 Commercial Ave, Palisades, N J
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Gen Mach Co of N J, 398 Market St, Newark 5, N J
Golden-Anderson Valve Specialty Co, 207 Keenan Bldg, Pittsburgh 22, Pa
Grinnell Co, 260 W Exchange St, Providence 1, R I
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Hills-McCanna Co, 3025 N Western Ave, Chicago 18, Ill
Illinois Elec Porcelain Co. Box 272, Macomb, Ill
Jenkins Bros, 80 White St, N Y 17
Kennedy Valve Mfg Co, 1021 E Water St, Elmira, N Y
Kieley & Mueller Inc, 2033 43 St, N Bergen, N J
Lapp Insulator Co, Le Roy, N Y
Lead Lined Iron Pipe Co, Wakefield, Mass
Lunkenheimer Co, Beekman St, & Waverly Ave, Cincinnati 14, Ohio
Luzerne Rubber Co, Trenton 7, N J
Meter & Valve Div, 400 N Lexington, Pittsburgh 8, Pa
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Mine & Smelter Supply Co, 1322 17 St, Denver 17, Col
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Permutit Co, 330 W 42 St, N Y 18
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
R-S Products Corp, 100 Berkley St, Phila, Pa
Resisto Pipe & Valve Co, 258 Bridge St, E Cambridge, Mass
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Schade Valve Mfg Co, 2527 N Bodine St, Phila 33, Pa
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Sellers Injector Corp, 1600 Hamilton St, Phila 30, Pa
U S Stoneware Co, 60 E 42 St, N Y
W-K-M Co, 221 Roberts, Houston, Tex
Walworth Co, 60 E 42 St, N Y 17
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio
Wiley Alloy Tube Co, 600 W 138 St, Riverdale, Ill

VALVES, DIAPHRAGM

American Hard Rubber Co, 11 Mercer St, N Y 13
American Mach Metals, 233 Broadway, N Y 7
Atlas Valve Co, 282 South St, Newark 2, N J
Automatic Switch Co, 391 Lakeside Ave, Orange, N J
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Bristol Co, Platts Mills, Waterbury, Conn
Crane Co, 836 S Mich Ave, Chicago 5 Ill
Duriron Co, 450 N Finley St, Dayton 1, Ohio
Emmett Mach & Mfg, 2249 14 St S W, Akron 14, Ohio
Enthone Inc, 442 Elm St, New Haven, Conn
Farris Engrg Corp, 400 Commercial Ave, Palisades Park, N J
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Fischer & Potter Co, Hatboro, Pa

VALVES, DIAPHRAGM, continued

Flexible Valve Co, 404 Commercial Ave, Palisades, N J
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Grinnell Co, W Exchange St, Providence 1, R I
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Hills-McCanna Co, 3205 N Western Ave, Chicago 18, Ill
Kaye & MacDonald, 15 Central Ave, W Orange, N J
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Kerotest Mfg Co, 2525 Liberty Ave, Pittsburgh 22, Pa
Kieley & Mueller Inc, 2033 43 St, N Bergen, N J
Lead Lined Iron Pipe Co, Wakefield, Mass
Leslie Co, Grant Ave, Lyndhurst, N J
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
J C Miller Co, 631 Chestnut S W, Grand Rapids, Mich
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Perfex Corp, 500 W Oklahoma Ave, Milwaukee, Wis
Powers Regulator Co, 2736 Greenview Ave, Chicago 14, Ill
Schade Valve Mfg Co, 2527 N Bodine St, Phila 33, Pa
Wallace & Tiernan, 1 Main St, Belleville, N J
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark 5, N J

VALVES, DIAPHRAGM CONTROL

American Mach & Metals, 233 Broadway, N Y 7
Atlas Valve Co, 282 South St, Newark 2, N J
Automatic Switch Co, 391 Lakeside Ave, Orange, N J
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Bristol Co, Platts Mills, Waterbury, Conn
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Emmett Mach & Mfg, 2249 14 St S W, Akron 14, Ohio
Farris Engrg Corp, 400 Commercial Ave, Palisades Park, N J
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Fischer & Porter Co, Hatboro, Pa
Flexible Valve Co, 404 Commercial Ave, Palisades, N J
Golden-Anderson Valve Specialty Co, 207 Keenan Bldg, Pittsburgh 22, Pa
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Hills-McCanna Co, 3205 N Western Ave, Chicago 18, Ill
Kaye & MacDonald, 15 Central Ave, W Orange, N J
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Kieley & Mueller Inc, 2033-43 St, N Bergen, N J
Leslie Co, Grant Ave, Lyndhurst, N J
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
North American Mfg Co, 4455 E 71 St, Cleveland 5, Ohio
Perfex Corp, 500 W Oklahoma Ave, Milwaukee, Wis
Powers Regulator Co, 2736 Greenview Ave, Chicago 14, Ill
Schade Valve Mfg Co, 2527 N Bodine St, Phila 33, Pa
Spence Engrg Co, Walden, N Y
Swartwout Co, 18511 Euclid Ave, Cleveland 12, Ohio
Taylor Instrument Co, 95 Ames St, Rochester 1, N Y
U S Rubber Co, 1230 6 Ave, N Y 20
Weston Elecl Instrument Corp, 614 Frelinghuysen Ave, Newark, N J

VALVES, ELECTRIC

Automatic Switch Co, 391 Lakeside Ave, Orange, N J
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Barksdale Valves Co, 1566 E Slavson Ave, Los Angeles 58, Cal
Chapman Valve Mfg Co, 203 Hampshire St, Indian Orchard, Mass
James B Clow & Sons, 201-299 N Talman Ave, Chicago 80, Ill
Darling Valve & Mfg Co, Ft of Walnut St, Williamsport 61, Pa
Flexible Valve Co, 404 Commercial Ave, Palisades, N J
Gen Elec Co, Schenectady 5, N Y
Golden-Anderson Valve Specialty Co, 207 Keenan Bldg, Pittsburgh 22, Pa
Hanna Engrg Works, 1765 Elston Ave, Chicago 22, Ill
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Hauck Mfg Co, 124-136 10 St, Bklyn 15, N Y
Hills-McCanna Co, 3205 N Western Ave, Chicago 18, Ill
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Kennedy Valve Mfg Co, 1021 E Water St, Elmira, N Y
Lunkenheimer Co, Cincinnati 14, Ohio
McDonnell & Miller, 3500 N Spaulding Ave, Chicago 18, Ill
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Wallace & Tiernan, 1 Main St, Belleville, N J

VALVES, FLOAT

American Hard Rubber Co, 11 Mercer St, N Y 13
Atlas Valve Co, 282 South St, Newark 2, N J
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Dezurik Shower Co, Sartell, Minn
Duriron Co, 450 N Finley St, Dayton 1, Ohio
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Frick Co, Waynesboro, Pa
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Golden-Anderson Valve Specialty Co, 207 Keenan Bldg, Pittsburgh 22, Pa
Hamilton Thomas Corp, Laurel Ave & Zipperman St, Hamilton, Ohio
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Kaye & MacDonald, 15 Central Ave, W Orange, N J
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
King Engrg Corp, 415 Detroit St, Ann Arbor, Mich
McDonnell & Miller, 3500 N Spaulding Ave, Chicago 18, Ill
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
R-S Products Corp, 100 Berkley St, Phila, Pa
Schade Valve Mfg Co, 2527 N Bodine St, Phila 33, Pa
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Spence Engrg Co, Walden, N Y
Sterling Inc, 3738 N Holton St, Milwaukee 12, Wis
York Corp, Roosevelt & P R R, York, Pa

VALVES, GAS REVERSING

Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Barksdale Valves Co, 1566 E Slavson Ave, Los Angeles 58, Cal
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Dezurik Shower Co, Sartell, Minn
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Gen Mach Co of N J, 398 Market St, Newark 5, N J
Golden-Anderson Valve Specialty Co, 207 Keenan Bldg, Pittsburgh 22, Pa
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Lunkenheimer Co, Beekman St & Waverly Ave, Cincinnati 14, Ohio
Perfex Corp, 500 W Oklahoma Ave, Milwaukee, Wis

VALVES, GATE

American Chain & Cable Co, R-P & C Valve Div, Reading, Pa
American Hard Rubber Co, 11 Mercer St, N Y 13
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Chapman Valve Mfg Co, 203 Hampshire St, Indian Orchard, Mass
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
James B Clow & Sons, 201-299 N Talman Ave, Chicago 80, Ill
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Darling Valve & Mfg Co, Ft of Walnut St, Williamsport 61, Pa
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Dezurik Shower Co, Sartell, Minn
Edward Valves, 1200 145 St, E Chicago, Ind
Fairbanks Co, 393 Lafayette St, N Y 3
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Hewitt-Robins, Hewitt Rubber Div, 240 Kensington Ave, Buffalo 5, N Y
Jenkins Bros, 80 White St, N Y 17
Kennedy Valve Mfg Co, 1021 E Water St, Elmira, N Y
Kerotest Mfg Co, 2525 Liberty Ave, Pittsburgh 22, Pa
S P Kinney Engrs, 201 2 Ave, Carnegie, Pa
Lead Lined Iron Pipe Co, Wakefield, Mass
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Lunkenheimer Co, Beekman St & Waverly Ave, Cincinnati 14, Ohio
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
McNally-Pittsburg Mfg Co, Pittsburg, Kan
Ohio Brass Co, Mansfield, Ohio
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Schaible Co, 1086 Summer, Cincinnati, Ohio
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Stockham Valves & Fittings, P O Box 2592, Birmingham 2, Ala
W-K-M Co, 221 Roberts, Houston, Tex
Walworth Co, 60 E 42 St, N Y 17
D T Williams Valve Co, 1086 Summer St, Cincinnati 2, Ohio
York Corp, Roosevelt & P R R, York, Pa

VALVES, GATE, ROTARY

Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Dezurik Shower Co, Sartell, Minn
Hewitt-Robins, Hewitt Rubber Div, 240 Kensington Ave, Buffalo 5, N Y
Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
National Conveyors Co, 50 Church St, N Y 7
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill

VALVES, GLASS

Corning Glass Works, Corning, N Y
Emil Greiner Co, 20-26 N Moore St, N Y 13
Hills-McCanna Co, 3205 N Western Ave, Chicago 18, Ill
King Engrg Corp, 415 Detroit St, Ann Arbor, Mich
Phoenix Precision Instruments, 3803 N 4 St, Phila 40, Pa
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
Scientific Glass Apparatus Co, Bloomfield, N J
Sentinel Glass Co, Box 58, Hatboro, Pa
Jos F Uhrig Co, 4101-03 N 5 St, Phila 40, Pa

VALVES, GLOBE

American Chain & Cable Co, R-P & C Valve Div, Reading, Pa
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Carpenter Sales Corp, 9518 Detroit Ave, Cleveland 2, Ohio
Chapman Valve Mfg Co, 203 Hampshire St, Indian Orchard, Mass
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Clark Mfg Co, 1830 E 38 St, Cleveland 14, Ohio
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Dezurik Shower Co, Sartell, Minn
Edward Valves, 1200 145 St, E Chicago, Ind
Fairbanks Co, 393 Lafayette St, N Y 3
Frick Co, Waynesboro, Pa
Grinnell Co, 260 W Exchange St, Providence 1, R I
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Jenkins Bros, 80 White St, N Y 17
Jerguson Gage & Valve Co, Somerville, Mass
Kennedy Valve Mfg Co, 1021 E Water St, Elmira, N Y
Kerotest Mfg Co, 2525 Liberty Ave, Pittsburgh 22, Pa
Lunkenheimer Co, Beekman St & Waverly Ave, Cincinnati 14, Ohio
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Ohio Brass Co, Mansfield, Ohio
Schaible Co, 1086 Summer, Cincinnati, Ohio
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Stockham Valves & Fittings, P O Box 2592, Birmingham 2, Ala
Vilter Mfg Co, 2217 S 1 St, Milwaukee 7, Wis
Walworth Co, 60 E 42 St, N Y 17
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio
D T Williams Valve Co, 1086 Summer St, Cincinnati 2, Ohio
York Corp, Roosevelt & P R R, York, Pa

VALVES, HARD RUBBER

American Hard Rubber Co, 11 Mercer St, N Y 13
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Dezurik Shower Co, Sartell, Minn
Electrochem Construction Co, 18 E 41 St, N Y 17
Enthone Inc, 442 Elm St, New Haven, Conn
Hewitt-Robins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
Hills-McCanna Co, 3205 N Western Ave, Chicago 18, Ill
Luzerne Rubber Co, Trenton 7, N J
Mine & Smelter Supply Co, 1322 17 St, Denver 17, Col
National Molded Piping Distributors, 387 W Side Ave, Jersey City 4, N J
Stokes Molded Products, Trenton 4, N J

VALVES, HIGH PRESSURE (CYLINDERS)

American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
Atlas Valve Co, 282 South St, Newark 2, N J
Autoclave Engrs, 860 E 19 St, Erie, Pa
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Barksdale Valves Co, 1566 E Slavson Ave, Los Angeles 58, Cal
Carpenter Sales Corp, 9518 Detroit Ave, Cleveland 2, Ohio
Chapman Valve Mfg Co, 203 Hampshire St, Indian Orchard, Mass
Darling Valve & Mfg Co, Ft of Walnut St, Williamsport 61, Pa
Edward Valves, 1200 145 St, E Chicago, Ind
Farris Engrg Corp, 400 Commercial Ave, Palisades Park, N J
Frick Co, Waynesboro, Pa
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Hydraulic Press Mfg Co, 3006 Marion Rd, Mt Gilead, Ohio
Kerotest Mfg Co, 2525 Liberty Ave, Pittsburgh 22, Pa
Lunkenheimer Co, Cincinnati 14, Ohio
Meter & Valve Div, 400 N Lexington, Pittsburgh 8, Pa
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Owens-Illinois Glass Co, Ohio Bank Bldg, Toledo 1, Ohio
Parr Instrument Co, 211 53 St, Moline, Ill
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
R-S Products Corp, 100 Berkley St, Phila, Pa
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
W-K-M Co, 221 Roberts, Houston, Tex
Walworth Co, 60 E 42 St, N Y 17
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

VALVES, JACKETED

Alloy Steel Products Co, 1300 W Elizabeth Ave, Linden, N J
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Everlasting Valve Co, 49 Fiske St, Jersey City 9, N J
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Hetherington & Berner, 701 Ky Ave, Indianapolis 7, Ind
Jerguson Gage & Valve Co, Somerville, Mass
Lapp Insulator Co, Le Roy, N Y
Meter & Valve Div, 400 N Lexington, Pittsburgh 8, Pa
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
Walworth Co, 60 E 42 St, N Y 17

VALVES, LEVER OPERATED

American Chain & Cable Co, R-P & C Valve Div, Reading, Pa
Atlas Valve Co, 282 South St, Newark 2, N J
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Barksdale Valves Co, 1566 E Slavson Ave, Los Angeles 58, Cal
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Cameron Iron Works, P O Box 1212, Houston 3, Tex
Chapman Valve Mfg Co, 203 Hampshire St, Indian Orchard, Mass
James B Clow & Sons, 201-299 N Talman Ave, Chicago 80, Ill
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Crosby Steam Gage & Valve Co, 43 Kendrick St, Wrentham, Mass
Darling Valve & Mfg Co, Ft of Walnut St, Williamsport 61, Pa
Dezurik Shower Co, Sartell, Minn
Distillation Products Industries, Rochester 3, N Y
Ernst Water Column & Gage Co, 250 S Livingstone Ave, Livingston, N J
Everlasting Valve Co, 49 Fiske St, Jersey City 9, N J
Fairbanks Co, 393 Lafayette St, N Y 3
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Gen Mach Co of N J, 398 Market St, Newark 5, N J
Golden-Anderson Valve Specialty Co, 207 Keenan Bldg, Pittsburgh 22, Pa
Grinnell Co, 260 W Exchange St, Providence 1, R I
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Hauck Mfg Co, 123-133 10 St, Bklyn 15, N Y
Hills-McCanna Co, 3205 N Western Ave, Chicago 18, Ill
Hydraulic Press Mfg Co, 3006 Marion Rd, Mt Gilead, Ohio
Jenkins Bros, 80 White St, N Y 17
Jerguson Gage & Valve Co, Somerville, Mass
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Kennedy Valve Mfg Co, 1021 E Water St, Elmira, N Y
Kieley & Mueller Inc, 2033-43 St, N Bergen, N J
Lunkenheimer Co, Beekman St & Waverly Ave, Cincinnati 14, Ohio
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
McNally-Pittsburg Mfg Co, Pittsburg, Kan
Meter & Valve Div, 400 N Lexington, Pittsburgh 8, Pa
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Schade Valve Mfg Co, 2527 N Bodine St, Phila 33, Pa
Schaible Co, 1086 Summer, Cincinnati, Ohio
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Spence Engrg Co, Walden, N Y
Stockham Valves & Fittings, P O Box 2592, Birmingham 2, Ala
Walworth Co, 60 E 42 St, N Y 17
D T Williams Valve Co, 1086 Summer St, Cincinnati 2, Ohio
J A Zurn Mfg Co, 1801 Pittsburgh Ave, Erie, Pa

VALVES, LUBRICATED PLUG

American Car & Foundry Co, 30 Church St, N Y
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Duriron Co, 450 N Finley St, Dayton 1, Ohio
Meter & Valve Div, 400 N Lexington, Pittsburgh 8, Pa
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Mueller Co, 512 W Cerro Gordo St, Decatur 70, Ill
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
Quaker City Iron Works, Aramingo Ave & Ontario St, Phila, Pa
Schaible Co, 1086 Summer, Cincinnati, Ohio
U S Stoneware Co, 60 E 42 St, N Y
Walworth Co, 60 E 42 St, N Y 17

VALVES, MOTOR OPERATED

American Chain & Cable Co, R-P & C Valve Div, Reading, Pa
American Hard Rubber Co, 11 Mercer St, N Y 13
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo

VALVES, MOTOR OPERATED, continued

Chapman Valve Mfg Co, 203 Hampshire St, Indian Orchard, Mass
James B Clow & Sons, 201-299 N Talman Ave, Chicago 80, Ill
Cochrane Corp, 3154 N 17 St, Phila 32, Pa
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Darling Valve & Mfg Co, Ft of Walnut St, Williamsport 61, Pa
Dezurik Shower Co, Sartell, Minn
Duriron Co, 450 N Finley St, Dayton 1, Ohio
Edward Valves, 1200 145 St, E Chicago, Ind
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Hauck Mfg Co, 123-133 10 St, Bklyn 15, N Y
Hills-McCanna Co, 3205 N Western Ave, Chicago 18, Ill
Jenkins Bros, 80 White St, N Y 17
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Kennedy Valve Mfg Co, 1021 E Water St, Elmira, N Y
Kerotest Mfg Co, 2525 Liberty Ave, Pittsburgh 22, Pa
Lunkenheimer Co, Beekman St & Waverly Ave, Cincinnati 14, Ohio
McNally-Pittsburg Mfg Co, Pittsburg, Kan
Meter & Valve Div, 400 N Lexington, Pittsburgh 8, Pa
Mine & Smelter Supply Co, 1322 17 St, Denver 17, Col
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
North American Mfg Co, 4455 E 71 St, Cleveland 5, Ohio
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Sarco Co, 350 5 Ave, N Y 1
Schade Valve Co, 2527 N Bodine St, Phila 33, Pa
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
Sellers Injector Corp, 1600 Hamilton St, Phila 30, Pa
Stockham Valves & Fittings, P O Box 2592, Birmingham 2, Ala
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
Walworth Co, 60 E 42 St, N Y 17

VALVES, NEEDLE

American Chain & Cable Co, R-P & C Valve Div, Reading, Pa
Autoclave Engrs, 860 E 19 St, Erie, Pa
Carpenter Sales Corp, 9518 Detroit Ave, Cleveland 2, Ohio
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Darling Valve & Mfg Co, Ft of Walnut St, Williamsport 61, Pa
Edward Valves, 1200 145 St, E Chicago, Ind
Fairbanks Co 393 Lafayette St, N Y 3
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Jenkins Bros, 80 White St, N Y 17
Kerotest Mfg Co, 2525 Liberty Ave, Pittsburgh 22, Pa
King Engrg Corp, 415 Detroit St, Ann Arbor, Mich
Lunkenheimer Co, Beekman St & Waverly Ave, Cincinnati 14, Ohio
Matheson Co, 337 Paterson Plank Rd, E Rutherford, N J
Ohio Brass Co, Mansfield, Ohio
Parr Instrument Co, 211 53 St, Moline, Ill
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
R-S Products Corp, 100 Berkley St, Phila, Pa
Schaible Co, 1086 Summer, Cincinnati, Ohio
Stockham Valves & Fittings, P O Box 2592, Birmingham 2, Ala
Strong, Carlisle & Hammond Co, 1392 W 3 St, Cleveland 13, Ohio
Walworth Co, 60 E 42 St, N Y 17
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio
D T Williams Valve Co, 1086 Summer St, Cincinnati 2, Ohio

VALVES, NON-LUBRICATED

Cameron Iron Works, P O Box 1212, Houston 3, Tex
Kerotest Mfg Co, 2525 Liberty Ave, Pittsburgh 22, Pa

VALVES, PACKLESS

Automatic Switch Co, 391 Lakeside Ave, Orange, N J
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Distillation Products Industries, Rochester 3, N Y
Duriron Co, 450 N Finley St, Dayton 1, Ohio
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
Hills-McCanna Co, 3205 N Western Ave, Chicago 18, Ill
Kerotest Mfg Co, 2525 Liberty Ave, Pittsburgh 22, Pa
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
National Research Corp, 70 Memorial Dr, Cambridge 42, Mass
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa
C E Squires Co, 18502 Syracuse Ave, Cleveland, Ohio
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

VALVES, PILOT

Automatic Switch Co, 391 Lakeside Ave, Orange, N J
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Black, Sivalls & Bryson Eng, 15 N Cincinnati St, Tulsa, Okla
Crosby Steam Gage & Valve Co, 43 Kendrick St, Wretham, Mass
Denison Engrg Co, 1160 Dublin Rd, Columbus 16, Ohio
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Hanna Engrg Works, 1765 Elston Ave, Chicago 22, Ill
Hydraulic Press Mfg Co, 3006 Marion Rd, Mt Gilead, Ohio
Kaye & MacDonald, 15 Cenral Ave, W Orange, N J
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
Schade Valve Mfg Co, 2527 N Bodine St, Phila 33, Pa
Spence Engrg Co, Walden, N Y
C E Squires Co, 18502 Syracuse Ave, Cleveland, Ohio

VALVES, PLUG

American Car & Foundry Co, 30 Church St, N Y 7
American Chain & Cable Co, R-P & C Valve Div, Reading, Pa
Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Cameron Iron Works, Katy at Silber Rd, P O Box 1212, Houston 1, Tex
Chapman Valve Mfg Co, 203 Hampshire St, Indian Orchard, Mass
Crane Co, 836 S Mich Ave, Chicago 5, Ill
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Dezurik Shower Co, Sartell, Minn
Duriron Co, 450 N Finley St, Dayton 1, Ohio
Edward Valves, 1200 145 St, E Chicago, Ind
Fairbanks Co, 393 Lafayette St, N Y 3
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Illinois Elec Porcelain Co, Box 272, Macomb, Ill
Jenkins Bros, 80 White St, N Y 17
Kennedy Valve Mfg Co, 1021 E Water St, Elmira, N Y
Kerotest Mfg Co, 2525 Liberty Ave, Pittsburgh 22, Pa
Lapp Insulator Co, Le Roy, N Y
Lunkenheimer Co, Cincinnati 14, Ohio
McNally-Pittsburg Mfg Co, Pittsburg, Kan
Meter & Valve Div, 400 N Lexington, Pittsburgh 8, Pa
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
R-S Products Corp, 100 Berkley St, Phila, Pa
U S Stoneware Co, 60 E 42 St, N Y
Walworth Co, 60 E 42 St, N Y 17
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

VALVES, PORCELAIN

Barksdale Valves Co, 1566 E Slavson Ave, Los Angeles 58, Cal
Emmett Mach & Mfg, 2249 14 St S W, Akron 14, Ohio
Hills-McCanna Co, 3205 N Western Ave, Chicago 18, Ill
Illinois Elec Porcelain Co, Box 272, Macomb, Ill
Lapp Insulator Co, Le Roy, N Y
U S Stoneware Co, 60 E 42 St, N Y

VALVES, QUICK OPENING

American Chain & Cable Co, R-P & C Valve Div, Reading, Pa
American Hard Rubber Co, 11 Mercer St, N Y 13
Atlas Valve Co, 282 South St, Newark 2, N J
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Barksdale Valves Co, 1566 E Slavson Ave, Los Angeles 58, Cal
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Darling Valve & Mfg Co, Ft of Walnut St, Williamsport 61, Pa
Dezurik Shower Co, Sartell, Minn
Everlasting Valve Co, 49 Fiske St, Jersey City 9, N J
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Gen Mach Co of N J, 398 Market St, Newark 5, N J
Grinnell Co, 260 W Exchange St, Providence 1, R I
Hills-McCanna Co, 3205 N Western Ave, Chicago 18, Ill
Jerguson Gage & Valve Co, Somerville, Mass
Kennedy Valve Mfg Co, 1021 E Water St, Elmira, N Y
S P Kinney Engrs, 201 2 Ave, Carnegie, Pa
Lapp Insulator Co, Le Roy, N Y
Lunkenheimer Co, Beekman St & Waverly Ave, Cincinnati 14, Ohio
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Ohio Brass Co, Mansfield, Ohio
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
R-S Products Corp, 100 Berkley St, Phila, Pa
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Schade Valve Co, 2527 N Bodine St, Phila 33, Pa
Stockham Valves & Fittings, P O Box 2592, Birmingham 2, Ala
Walworth Co, 60 E 42 St, N Y 17
D T Williams Valve Co, 1086 Summer St, Cincinnati 2, Ohio

VALVES, RADIATOR

American District Steam Co, 380 Bryant St, N Tonawanda, N Y
Chase Brass & Copper Co, 236 Grand St, Waterbury 20, Conn
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Fairbanks Co, 393 Lafayette St, N Y 3
Jenkins Bros, 80 White St, N Y 17
Kennedy Valve Mfg Co, 1021 E Water St, Elmira, N Y
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Ohio Brass Co, Mansfield, Ohio
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
Powers Regulator Co, 2736 Greenview Ave, Chicago 14, Ill
Sarco Co, 350 5 Ave, N Y 1
Schaible Co, 1086 Summer, Cincinnati, Ohio
Sterling Inc, 3738 N Holton St, Milwaukee 12, Wis
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio
D T Williams Valve Co, 1086 Summer St, Cincinnati 2, Ohio

VALVES, REDUCING

American District Steam Co, 380 Bryant St, N Tonawanda, N Y
Atlas Valve Co, 282 South St, Newark 2, N J
Bell & Gossett Co, Morton Grove, Ill
Black, Sivalls & Bryson Eng, 15 N Cincinnati St, Tulsa, Okla
Clark Mfg Co, 1830 E 38 St, Cleveland 14, Ohio
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Golden-Anderson Valve Specialty Co, 207 Keenan Bldg, Pittsburgh 22, Pa
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
Hasco Valve & Mach Co, 1263 N 73 St, Milwaukee, Wis
Hauck Mfg Co, 124-136 10 St, Bklyn 15, N Y
Kaye & MacDonald, 15 Central Ave, W Orange, N J
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Leslie Co, Grant Ave, Lyndhurst, N J
Lunkenheimer Co, Cincinnati 14, Ohio
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Mueller Co, 512 W Cerro Gordo St, Decatur 70, Ill
Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill
Schade Valve Mfg Co, 2527 N Bodine St, Phila 33, Pa
Spence Engrg Co, Walden, N Y
C E Squires Co, 18502 Syracuse Ave, Cleveland, Ohio
Strong, Carlisle & Hammond Co, 1395 W 3 St, Cleveland 13, Ohio
Swartwout Co, 18511 Euclid Ave, Cleveland 12, Ohio

VALVES, REGULATING

American Car & Foundry Co, 30 Church St, N Y 7
American District Steam Co, 380 Bryant St, N Tonawanda, N Y
Atlas Valve Co, 282 South St, Newark 2, N J
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Black, Sivalls & Bryson, 7500 E 12 St, Kansas City 3, Mo
Clark Mfg Co, 1830 E 38 St, Cleveland 14, Ohio
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Flexible Valve Co, 404 Commercial Ave, Palisades, N J
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Golden-Anderson Valve Specialty Co, 207 Keenan Bldg, Pittsburgh 22, Pa
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
Hammel-Dahl Co, 243 Richmond St, Providence3, R I
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Hauck Mfg Co, 123-133 10 St, Bklyn 15, N Y
Hydraulic Press Mfg Co, 3006 Marion Rd, Mt Gilead, Ohio
Jenkins Bros, 80 White St, N Y 17
Kaye & MacDonald, 15 Central Ave, W Orange, N J
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Leslie Co, Grant Ave, Lyndhurst, N J
Lunkenheimer Co, Cincinnati 14, Ohio
Mason Neilan Regulator Co, 1190 Adams St, Boston 24, Mass
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Monarch Mfg Co Works, 2501 E Ontario St, Phila 34, Pa
Mueller Co, 512 W Cerro Gordo St, Decatur 70, Ill
Powers Regulator Co, 2736 Greenview Ave, Chicago 14, Ill
R-S Products Corp, 100 Berkley St, Phila, Pa
Republic Flow Meters Co, 2240 Dicversey Pkwy, Chicago 47, Ill
Schade Valve Mfg Co, 2527 N Bodine St, Phila 33, Pa
Schaible Co, 1086 Summer, Cincinnati, Ohio
Spence Engrg Co, Walden, N Y
C E Squires Co, 18502 Syracuse Ave, Cleveland, Ohio
Stockham Valves & Fittings, P O Box 2592, Birmingham 2, Ala
Strong, Carlisle & Hammond Co, 1395 W 3 St, Cleveland 13, Ohio
Swartwout Co, 18511 Euclid Ave, Cleveland 12, Ohio

GOLDEN-ANDERSON

Cushioned

Steam and Water Pressure Valves

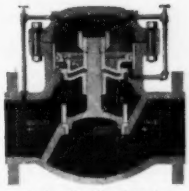
One of these twelve valves will ideally meet your requirements



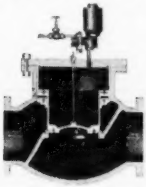
Single-Acting Non-Return Valve



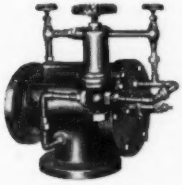
Altitude Control Valve



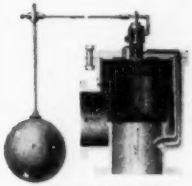
Hydraulic Check Valve



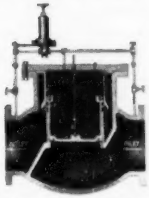
Solenoid Operated Electric Water Service Valve



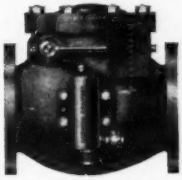
Surge Relief Valve



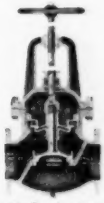
Cold Water Flow Valve



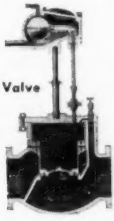
Water Pressure Reducing Valve



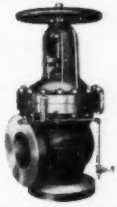
Swing Check Valve



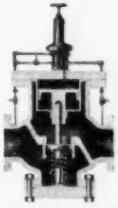
Automatic Engine Stop Valve



Cold Water Float Valve



Triple-Acting Non-Return Valve



Steam Reducing and Unloading Valve

Our descriptive bulletins covering these various valves gladly sent on request

GOLDEN ANDERSON Valve Specialty Company

2082 KEENAN BUILDING • PITTSBURGH 22, PA.

VALVES, RELIEF

American Car & Foundry Co, 30 Church St, N Y 7
Atlas Valve Co, 282 South St, Newark 2, N J
Bell & Gossett Co, Morton Grove, Ill
Black, Sivalls & Bryson Eng, 15 N Cincinnati St, Tulsa, Okla
Cameron Iron Works, Katy at Silber Rd, P O Box 1212, Houston 1, Tex
Cochrane Corp, 3154 N 17 St, Phila 32, Pa
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Crosby Steam Gage & Valve Co, 43 Kendrick St, Wrentham, Mass
Denison Engrg Co, 1160 Dublin Rd, Columbus 16, Ohio
Farris Engrg Corp, 400 Commercial Ave, Palisades Park, N J
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Golden-Anderson Valve Specialty Co, 207 Keenan Bldg, Pittsburgh 22, Pa
Hamilton Thomas Corp, Laurel Ave & Zimmerman St, Hamilton, Ohio
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Hydraulic Press Mfg Co, 3006 Marion Rd, Mt Gilead, Ohio
Johnston & Jennings Co, 4700 W Div St, Chicago 51, Ill
Kaye & MacDonald, 15 Central Ave, W Orange, N J
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Kennedy Valve Mfg Co, 1021 E Water St, Elmira, N Y
Kieley & Mueller Inc, 2033-43 St, N Bergen, N J
S P Kinney Engrs, 201 2 Ave, Carnegie, Pa
Lapp Insulator Co, Le Roy, N Y
Lunkenheimer Co, Beekman St & Waverl Ave, Cincinnati 14, Ohio
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
McDonnell & Miller, 3500 N Spaulding Ave, Chicago 18, Ill
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Mueller Co, 512 W Cerro Gordo St, Decatur 70, Ill
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
Schade Valve Mfg Co, 2527 N Bodine St, Phila 33, Pa
Schaible Co, 1086 Summer, Cincinnati, Ohio
Sellers Injector Corp, 1600 Hamilton St, Phila 30, Pa
L C Thomsen & Sons, 1303 43 St, Kenosha, Wis
Edward Valves, 1200 145 St, E Chicago, Ind
Vapor Recovery Systems Co, 2820 N Alameda St, Compton 2, Cal
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio
York Corp, Roosevelt & P R R, York, Pa

VALVES, RUBBER LINED

American Hard Rubber Co, 11 Mercer St, N Y 13
Atlas Mineral Products Co, Mertztown, Pa
Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
Broadway Rubber Corp, 529 E Broadway, Louisville 2, Ky
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Darling Valve & Mfg Co, Ft of Walnut St, Williamsport 61, Pa
Dezurik Shower Co, Sartell, Minn
Electrochem Construction Co, 18 E 41 St, N Y 17
Enthone Inc, 442 Elm St, New Haven, Conn
Flexible Valve Co, 404 Commercial Ave, Palisades, N J
Galigher Co, 545 W 8 South St, Salt Lake City 4, Utah
Grinnell Co, 260 W Exchange St, Providence 1, R I
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
Hills-McCanna Co, 3205 N Western Ave, Chicago 18, Ill
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill
J C Miller Co, 631 Chestnut St, Grand Rapids, Mich
Mine & Smelter Supply Co, 1322 17 St, Denver 17, Col
Raybestos-Manhattan, 61 Willet St, Passaic, N J
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
R-S Products Corp, 100 Berkley St, Phila, Pa
U S Rubber Co, 1230 6 Ave, N Y 20

VALVES, SAFETY

American Car & Foundry Co, 30 Church St, N Y 7
Automatic Switch Co, 391 Lakeside Ave, Orange, N J
Black, Sivalls & Bryson Eng, 15 N Cincinnati St, Tulsa, Okla
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Crosby Steam Gage & Valve Co, 43 Kendrick St, Wrentham, Mass
Farris Engrg Corp, 400 Commercial Ave, Palisades Park, N J
Frick Co, Waynesboro, Pa
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Hydraulic Press Mfg Co, 3006 Marion Rd, Mt Gilead, Ohio
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Lapp Insulator Co, Le Roy, N Y
Liquidepth Indicators Inc, 42-26 28 St, L I C 1, N Y
Lunkenheimer Co, Beekman St & Waverly Ave, Cincinnati 14, Ohio
McDonnell & Miller, 3500 N Spaulding Ave, Chicago 18, Ill
Manning, Maxwell & Moore, 250 E Main St, Stratford, Conn
Pfaudler Co, 1000 W Ave, Rochester 3, N Y
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
Schaible Co, 1086 Summer, Cincinnati, Ohio
Vapor Recovery Systems Co, 2820 N Alameda St, Compton 2, Cal
Vitter Mfg Co, 2217 S 1 St, Milwaukee 7, Wis
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio
D T Williams Valve Co, 1086 Summer St, Cincinnati 2, Ohio

VALVES, SANITARY

Alloy Products Co, 1045 Perkins Ave, Waukesha, Wis
Cameron Iron Works, P O Box 1212, Houston 3, Tex
Cherry-Burrell Corp, 427 W Randolph St, Chicago 6, Ill
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Grinnell Co, 260 W Exchange St, Providence 1, R I
L C Thomsen & Sons, 1303 43 St, Kenosha, Wis

VALVES, SOLENOID

Automatic Switch Co, 391 Lakeside Ave, Orange, N J
Barber-Colman Co, 150 Loomis St, Rockford, Ill
Barksdale Valves Co, 1566 E Slavson Ave, Los Angeles 58, Cal
Bell & Gossett Co, Morton Grove, Ill
Distillation Products Industries, Rochester 3, N Y
Frick Co, Waynesboro, Pa
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Gen Elec Co, Schenectady 5, N Y
Golden-Anderson Valve Specialty Co, 207 Keenan Bldg, Pittsburgh 22, Pa
Hanna Engrg Works, 1765 Elston Ave, Chicago 22, Ill
Hauck Mfg Co, 123-133 10 St, Bklyn 15, N Y
Hydraulic Press Mfg Co, 3006 Marion Rd, Mt Gilead, Ohio
O C Keckley Co, 400 W Madison St, Chicago 6, Ill
Leslie Co, Grant Ave, Lyndhurst, N J
McDonnell & Miller, 3500 N Spaulding Ave, Chicago 18, Ill
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
R-S Products Corp, 100 Berkley St, Phila, Pa
Spence Engrg Co, Walden, N Y

VALVES, STEAM JACKETED

Alloy Steel Products Co, 1300 W Elizabeth Ave, Linden, N J
Black, Sivalls & Bryson Eng, 15 N Cincinnati St, Tulsa, Okla
Everlasting Valve Co, 49 Fiske St, Jersey City, N J
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Gen Controls Co, 801 Allen Ave, Glendale 1, Ca
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Hetherington & Berner, 701 Ky Ave, Indianapolis 7, Ind
Jerguson Gage & Valve Co, Somerville, Mass
Meter & Valve Div, 400 N Lexington, Pittsburgh 8, Pa
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
Walworth Co, 60 E 42 St, N Y 17

VALVES, STEEL

American Car & Foundry Co, 30 Church St, N Y 7
American Chain & Cable Co, R-P & C Valve Div, Reading, Pa
Atlas Valve Co, 282 South St, Newark 2, N J
Autoclave Engrs, 860 E 19 St, Erie, Pa
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Barksdale Valves Co, 1566 E Slavson Ave, Los Angeles 58, Cal
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Cameron Iron Works, P O Box 1212, Houston 3, Pa
Carpenter Sales Corp, 9518 Detroit Ave, Cleveland 2, Ohio
Chapman Valve Mfg Co, 203 Hampshire St, Indian Orchard, Mass
Clark Mfg Co, 1830 E 38 St, Cleveland 14, Ohio
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Crosby Steam Gage & Valve Co, 43 Kendrick St, Wrentham, Mass
Darling Valves Mfg Co, Ft of Walnut St, Williamsport 61, Pa
Dezurik Shower Co, Sartell, Minn
Edward Valves, 1200 145 St E Chicago, Ind
Everlasting Valve Co, 49 Fiske St, Jersey City, N J
Farris Engrg Corp, 400 Commercial Ave, Palisades Park, N J
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Frick Co, Waynesboro, Pa
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Gen Mach Co of N J, 398 Market St, Newark 5, N J
Golden-Anderson Valve Specialty Co, 207 Keenan Bldg, Pittsburgh 22, Pa
Grinnell Co, 260 W Exchange St, Providence 1, R I
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
Hills-McCanna Co, 3205 N Western Ave, Chicago 18, Ill
Jenkins Bros, 80 White St, N Y 17
Jerguson Gage & Valve Co, Somerville, Mass
Kerotest Mfg Co, 2525 Liberty Ave, Pittsburgh 22, Pa
Lead Lined Iron Pipe Co, Wakefield, Mass
Lunkenheimer Co, Beekman St & Waverly Ave, Cincinnati 14, Ohio
Manning Maxwell & Moore, 250 E Main St, Stratford, Conn
Meter & Valve Div, 400 N Lexington, Pittsburgh 8, Pa
Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrion Aves, Phila 44, Pa
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Wm Powell Co 2525 Spring Grove Ave, Cincinnati 22, Ohio
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
R-S Products Corp, 100 Berkley St, Phila, Pa
Schade Valve Mfg Co, 2527 N Bodine St, Phila 33, Pa
Schutte & Koerting Co, Cornwells Heights, Bucks Co, Pa

VALVES, STEEL, continued

Strong, Carlisle & Hammond Co, 1395 W 3 St, Cleveland 13, Ohio
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
W-K-M Co, 221 Roberts, Houston, Tex
Walworth Co, 60 E 42 St, N Y 17
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio

VALVES, STEEL, STAINLESS

Alloy Steel Products Co, 1300 W Elizabeth Ave, Linden, N J
American Car & Foundry Co, 30 Church St, N Y 7
American Chain & Cable Co, R-P & C Valve Div, Reading, Pa
Autoclave Engrs, 860 E 19 St, Erie, Pa
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa
Barksdale Valves Co, 1566 E Slavson Ave, Los Angeles 58, Cal
Blaw-Knox Co, Farmers Bank Bldg, Pittsburgh 30, Pa
Cameron Iron Works, Katy at Silber Rd, P O Box 1212, Houston 1, Tex
Carpenter Sales Corp, 9518 Detroit Ave, Cleveland 2, Ohio
Cooper Alloy Foundry Co, 130 Bloy St, Hillside 5, N J
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Crosby Steam Gage & Valve Co, 43 Kendrick St, Wrentham, Mass
Darling Valve & Mfg Co, Ft of Walnut St, Williamsport 61, Pa
Dezurik Shower Co, Sartell, Minn
Edward Valves, 1200 145 St, E Chicago, Ind
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Everlasting Valve Co, 49 Fiske St, Jersey City, N J
Farris Engrg Corp, 400 Commercial Ave, Palisades Park, N J
Fisher Governor Co, 201 S 1 St, Marshalltown, Iowa
Gen Controls Co, 801 Allen Ave, Glendale 1, Cal
Gen Mach Co of N J, 398 Market St, Newark 5, N J
Golden-Anderson Valve Specialty Co, 207 Keenan Bldg, Pittsburgh 22, Pa
Grinnell Co, 260 W Exchange St, Providence 1, R I
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Hills-McCanna Co, 3205 N Western Ave, Chicago 18, Ill
Jenkins Bros, 80 White St, N Y 17
Jerguson Gage & Valve Co, Somerville, Mass
Frank B Lomax Co, 3514 N Halsted St, Chicago 13, Ill
Lunkenheimer Co, Beekman St, & Waverly Ave, Cincinnati 14, Ohio
Meter & Valve Div, 400 N Lexington, Pittsburgh 8, Pa
Minneapolis-Honeywell Regulator Co, 2704 4 Ave S, Minneapolis 8, Minn
Penberthy Injector Co, 1242 Holden Ave, Detroit 2, Mich
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
R-S Products Corp, 100 Berkley St, Phila, Pa
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Joseph T Ryerson & Son, Box 8000-A, Chicago 80, Ill
Schnitzer Alloy Products Co, 631 Pine St, Elizabeth, N J
Schutte & Koerting Co, Cornwell Heights, Bucks Co, Pa
L C Thomsen & Sons, 1303 43 St, Kenosha, Wis
Tri-Clover Mach Co, Kenosha, Wis
Henry Vogt Mach Co, 10 & Ormsby Sts, Louisville 10, Ky
W-K-M Co, 221 Roberts, Houston, Tex
Walworth Co, 60 E 42 St, N Y 17
Weatherhead Co, 300 E 131 St, Cleveland 8, Ohio
Wiley Alloy Tube Co, 600 W 138 St, Riverdale, Ill

VALVES, STONEWARE

Farris Engrg Corp, 400 Commercial Ave, Palisades Park, N J
Hills-McCanna Co, 3205 N Western Ave, Chicago 18, Ill
U S Stoneware Co, 60 E 42 St, N Y

VALVES, VACUUM

Kinney Mfg Co, 3529 Washington St, Jamaica Plain 30, Mass
Stokes Mach Co, 6002 Tabor Rd, Phila, Pa

VALVES, VENT

Johnston & Jennings Co, 4700 W Division St, Chicago 51, Ill
Vapor Recovery Systems Co, 2820 N Alameda St, Compton 2, Cal

VALVES, Y STYLE

Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
Barksdale Valves Co, 1566 E Slavson Ave, Los Angeles 58, Cal
Crane Co, 836 S Mich Ave, Chicago 5, Ill
Duriron Co, 450 N Finley St, Dayton 1, Ohio
Elec Steel Foundry, 2141 N W 25 Ave, Portland 10, Ore
Hammel-Dahl Co, 243 Richmond St, Providence 3, R I
Hasco Valve & Mach Co, 1263 N 70 St, Milwaukee, Wis
Illinois Elec Porcelain Co, Macomb, Ill
Jenkins Bros, 80 White St, N Y 17
Jerguson Gage & Valve Co, Somerville, Mass
Lapp Insulator Co, Le Roy, N Y
Lead Lined Iron Pipe Co, Wakefield, Mass
Lunkenheimer Co, Cincinnati 14, Ohio
Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio
W S Rockwell Co, 270 Eliot St, Fairfield, Conn
Sellers Injector Corp, 1600 Hamilton St, Phila 30, Pa
Walworth Co, 60 E 42 St, N Y 17
D T Williams Valve Co, 1086 Summer St, Cincinnati 2, Ohio

VIBRATORS

Burgess Vibrocrafters, 180 N Wabash Ave, Chicago, Ill
Cleveland Vibrator Co, 2864 Clinton Ave, Cleveland 13, Ohio
Hewitt-Robbins, Robins Conveyor Div, 240 Passaic Ave, Passaic, N J
Syntron Co, 421 Lexington Ave, Homer City, Pa
W S Tyler Co, 3615 Superior Ave, Cleveland 14, Ohio

VISCOSIMETERS

American Instrument Co, 8010-50 Georgia Ave, Silver Spring, Md
Brookfield Engrg Labs, 203 Porter St, Stoughton, Mass
Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill
Alan A Claflin, 2 Storer St, Boston 10, Mass
Fisher Scientic Co, 717 Forbes St, Pittsburgh 19, Pa
Fischer & Porter Co, Hatboro, Pa
Gen Elec Co, Schenectady 5, N Y
Emil Greiner Co, 20-26 N Moore St, N Y 13
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
Precision Scientific Co, 3737 W Cortland St, Chicago 47, Ill
Scientific Glass Apparatus Co, Bloomfield, N J
Will Corp, Rochester 3, N Y

VULCANIZERS

Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y
Condenser Service & Engrg Co, 95 River St, Hoboken, N J
J P Devine Mfg Co, 49 & A V R R, Pittsburgh 1, Pa
Edgemoor Iron Works, Edgemoor, Del
H W North Co, E 13 & Parade Sts, Erie, Pa
Union Iron Works, 15 & Cascade Sts, Erie, Pa

WASHERS, AIR

Air Conditioning, York Co, York, Pa
American Blower Corp, 8111 Tireman St, Detroit 32, Mich
Brady Conveyors Corp, 20 W Jackson St, Chicago 4, Ill
Carrier Corp, 300 S Geddes St, Syracuse 1, N Y
S P Kinney Engrs, 201 2 Ave, Carnegie, Pa
Marlo Coil Co, 6135 Manchester Ave, St. Louis, Mo
Parsons Engrg Corp, 2545 E 79 St, Cleveland, Ohio
Santa Fe Tank & Tower Co, 5401 Boyla Ave, Los Angeles 11, Cal
Spray Engrg Co, 114 Central St, Somerville 45, Mass
Trane Co, 300 Cameron Ave, La Crosse, Wis
Westinghouse Elec Co, Hyde Park, Boston 36, Mass
York Corp, Roosevelt & P R R, York, Pa

WASHERS, BOTTLE

Fisher Scientific Co, 717 Forbes St, Pittsburgh 19, Pa
Karl Kiefer Mach Co, 919 Martin St, Cincinnati 2, Ohio
Liquid Carbonic Corp, 3112 S Kedzie Ave, Chicago 23, Ill
Ogden Filter Corp, 4214 Santa Monica Blvd, Los Angeles 29, Cal

WASHERS, DRUM

Detrex Corp, 14331 Woodrow Wilson Ave, Detroit 32, Mich
Hodgson Engr & Mfg Co, 1507 E 7 St, Tulsa 10, Okla
Sellers Injector Corp, 1600 Hamilton St, Phila 30, Pa
U S Gasket Co, 610 N 10 St, Camden, N J

WASHERS, GAS

Chem Engrg Service, 3741½ Washington, Green Bay, Wis
S P Kinney Engrs, 201 2 Ave, Carnegie, Pa
Koch Engrg Co, 335 W Lewis St, Wichita 2, Kan
Podbielniak Inc, 341 E Ohio St, Chicago 17, Ill
Stacey Mfg Co, Township & Big 4 RR, Cincinnati 16, Ohio
U S Gasket Co, 610 N 10 St, Camden, N J

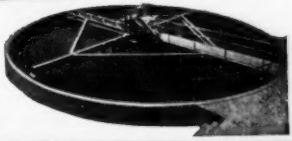
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Allis-Chalmers Mfg Co, 1126 S 70 St, Milwaukee, Wis
Dorr Co, Barry Pl, Stamford, Conn
Gruendler Crusher & Pulverizer Co, 2911-19 N Market St, St Louis 3, Mo
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Link-Belt Co, 3405 6 Ave S, Seattle 4, Wash
Lippmann Engrg Works, 4603 W Mitchell, Milwaukee, Wis
McNally-Pittsburg Mfg Co, Pittsburg, Kan
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill
Traylor Engrg & Mfg Co, Allentown, Pa
Universal Engrg Corp, 625 C Ave N W, Cedar Rapids, Iowa

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Elgin Softener Corp, Elgin, Ill
Industrial Instrument, 17 Pollack Ave, Jersey City 5, N J
Arthur S La Pine & Co, 121 W Hubbard St, Chicago 10, Ill
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Oscar Fisher Co, 1000 N Div St, Peekskill, N Y
Foster-Wheeler Corp, 165 Broadway, N Y 6
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Gen Elec Co, 5 Lawrence St, Bloomeld, N J
Gen Motors Corp, 300 Taylor St, Dayton 1, Ohio
Hudson Engrg Corp, 2711 Danville St, Houston 6, Tex
Lilie-Hoffman Cooling Towers, 4239 Duncan Ave, St Louis 10, Mo
Liquid Carbonic Corp, 3112 S Kedzie Ave, Chicago 23,
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J F Pritchard & Co, 908 Grand Ave, Kansas City 6, Mo
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Jeffrey Mfg Co, 832 N 4 St, Columbus 16, Ohio
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Ampco Metal, 1746 S 38 St, Milwaukee 46, Wis
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Automotive Rubber Co, 8601 Epworth Blvd, Detroit 4, Mich
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American Steel & Wire Co, 614 Superior Ave N W, Cleveland 13, Ohio
Arcoa Corp, 1500 S 50 St, Phila 43, Pa
Armco Steel Corp, 703 Curtis St, Middletown, Ohio
Carpenter Steel Co, 101 Bern St, Reading, Pa
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Republic Steel Corp, Republic Bldg, Cleveland 1, Ohio

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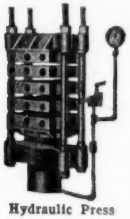


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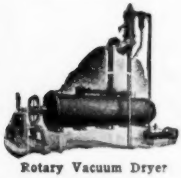
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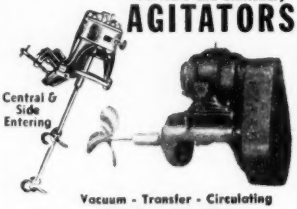
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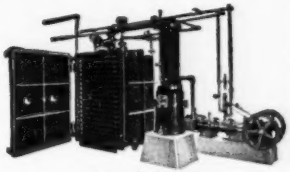
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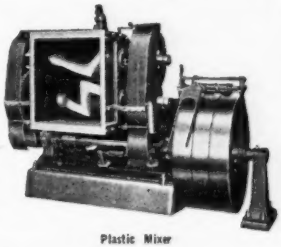
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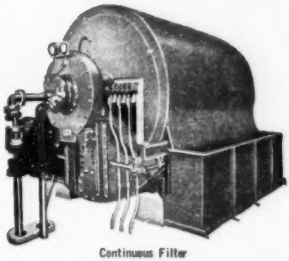
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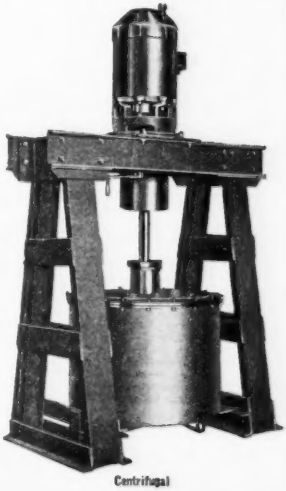
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A-32: Accelerators, Rubber—Monsanto Chem Co
A-77: Accelerators, Rubber—Monsanto Chem Co
A-100: Accelerators, Rubber—Monsanto Chem Co
610-A: Surface Active Agents (Non-Ionic)—Van Dyk & Co
AA: Calcium Phosphate, Dibasic—American Agricultural Chem Co
AA: Castor Oil—Baker Castor Oil Co
AAB: Acid, Lauric—E F Drew & Co
AB: Acid, Lauric—E F Drew & Co
A B C: Products—Ala By-Products Corp
A B C FOUNDRATES: Fluxes, Foundry—American-British Chem Supplies
ABH: Fatty Acid, Hydrogenated Coconut—E F Drew & Co
ABL: Acid, Lauric—E F Drew & Co
2 AC-2: Detergents—Van Dyk & Co
A C B: Casein—American-British Chem Supplies
ACF: Products—American Car & Foundry Co
ACL: Kilns, Rotary—Allis-Chalmers Mfg Co
ACL: Lettering, Applied Color—Owens-Illinois Glass Co
ACP: Transformers—Allis-Chalmers Mfg Co
ACSX: Penetrants, Fur Dyeing—Siegel Chem Co
A-D: Drives, Agitator—Foote Bros Gear & Mach Co
ADL COLLINS HELIUM CRYOSTAT: Equipment, Refrigerating—Arthur D Little
ADL ELECTROMAGNET: Magnets—Arthur D Little
A-FUR: Glazes, Fur Dressing—Siegel Chem Co
A-H: Controls, Motor—Arrow-Hart & Hegeman Elec Co
A-M: Adhesives—American-Marietta Co
AMF GLEN: Mixers, Batch—American Mach & Foundry Co
AMF OAKES: Mixers, Continuous—American Mach & Foundry Co
A P CLEANSER: Powders, Pine Detergent—Utility Chem Co
A P I: Adhesives—Adhesive Products
A T D: Clays, China—Hammill & Gillespie
AW AIGRIP: Floor Plates, Steel—Alan Wood Steel Co
AW PERMACLAD: Steel, Stainless Clad—Alan Wood Steel Co
AW SUPER DIAMOND: Plates, Floor—Alan Wood Steel Co
AARDGUM: Products—Emil Kiemm
ABALYN: Ester of Rosin—Hercules Powder Co
ABBEON: Apparatus, Humidifying—Abbeon Supply Co
ABITOL: Alcohol, Hydroabietyl—Hercules Powder Co
ABOPON: Fireproofing Compounds—Fabric-Glyco Products Co
ABRASO: Screens, Wire—John A Roebling's Sons Co
ABZORB-QL: Absorbents, Oil—A J Stull & Co
ACCELATOR: Water Softening and Purifying Plant—Infilco Inc
ACCOBRITE: Sizings, Rosin—American Cyanamid Co, Industrial Chem Div
ACCUCEL 740: Dissersing Agents—American Cyanamid Co, Industrial Chem Div
ACCO-DRI: Adsorbents, Oil and Grease—Harry Haze
ACCORDION FOLD: Detonators, Electric—Atlas Powder Co
ACCOSUL: Dyes, Sulfur—Augusta Chem Co
ACCRITEM: Regulators, Water & Air Operated—Powers Regulator Co
ACCUMET: Castings, Stainless—Crucible Steel Co of America
ACE: Equipment, Rubber—American Hard Rubber Co
ACE: Penetrants—Atlantic Chem & Equipment Co
ACE-O-PAX: Packing, Plastic—Packing Engrg Corp
ACID-CAUSTICBOND: Products—Wilbur & Williams Co
ACINTOL: Oil, Tall—Arizona Chem Co
ACME: Buffing Compositions, White and Pink Lime—Hanson-Van Winkle-Munning Co
ACME: Products—Acme Coppersmithing & Mach Co
ACME: Shellac—Acme Shellac Products Co
ACME: SILVERSTITCHERS: Stitchers, Carton—Acme Steel Co
ACOLIN: Oil, Tall—Newport Industries
ACONON: Oil, Tall—Newport Industries
ACORN: Refractories—Pacific Clay Products
ACOSIX: Oil, Tall—Newport Industries
ACOUSTICK: Adhesives—Atlas Adhesives
ACRAWAX: Wax, Synthetic—Glyco Products Co
ACRYLOID: Solutions, Resin—Rohm & Haas Co
ACRYSOL: Resins, Synthetic—Rohm & Haas Co
ACTRASOL: Oils, Soluble—Arthur C Trask Co
ADACAST: Cements, Refractory—Botfield Refractories Co
ADAHEARTH: Cements, Refractory—Botfield Refractories Co
ADAMANT: Cements, Refractory—Botfield Refractories Co
ADAMANTINE: Castings, Steel Alloy—Babcock & Wilcox
ADAPATCH: Cements, Refractory—Botfield Refractories Co
ADA-STIC: Cements, Refractory—Botfield Refractories Co
ADCO: Adhesives—Adhesives Products Corp
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ADHERITE: Adhesives—Adhesive Products
ADHEROFLEX: Adhesives—R & A Leather Finish Co
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ADIPOL: Plasticizers—Ohio-Apex
ADJUST-O-FEEDER: Products—Proportioneers Inc
ADRUB: Cements, Rubber—Adhesive Products Corp
ADSCO: Equipment, Steam Distribution—American District Steam Co
ADSORBOL: Clays, Bleaching—Sierra Talc & Clay Co
ADVAGUM: Products—Advance Solvents & Chem Corp
ADVAN: Products—Advance Solvents & Chem Corp
ADVANCE: Products—Advance Solvents & Chem Corp
ADVARESIN: Products—Advance Solvents & Chem Corp
ADVAWAX: Products—Advance Solvents & Chem Corp
ADVAWET: Wetting Agents—Advance Solvents & Chem Corp
AERMALL: Disinfectants—Uncle Sam Chem Co
AERO: Products—American Cyanamid Co
AEROCARD: Carburizing Compounds—American Cyanamid Co, Industrial Chem Div
AEROCASE: Case-Hardening Compounds—American Cyanamid Co, Industrial Chem Div
AEROCAT: Catalysts, Cracking—American Cyanamid Co, Industrial Chem Div
AERODYNE: Collectors, Dust—Aerodyne Development Corp
AERODYNE: Fans & Blowers—Jeffrey Mfg Co
AEROFLO: Conditioning Compounds, Drilling Mud—American Cyanamid Co, Industrial Chem Div
AER-O-FOAM 99: Products—National Foam System
AER-O-FOAMSTER: Nozzles, Spray-Stream — National Foam System
AEROFUME: Products—Eston Chem
AEROHEAT: Salts, Heat Treating—American Cyanamid Co, Industrial Chem Div
AEROLUBE: Additives, Lubricating Oil—American Cyanamid Co, Industrial Chem Div
AEROPAN SR-1: Drilling Mud Compounds—American Cyanamid Co, Industrial Chem Div
AERO-PHOS: Phosphate, Florida Natural—American Cyanamid Co
AEROPRILLS: Fertilizers, Ammonium Nitrate—American Cyanamid Co
AEROQUIP: Hose, Vacuum, Flexible Lines—Aeroquip Corp
AEROSEAL: Drilling Mud Compounds—American Cyanamid Co, Industrial Chem Div
AERO-SEALZ: Rubber Compounds—Naugatuck Chem Div
AEROSIZE: Emulsions, Sizing—American Cyanamid Co, Industrial Chem Div
AEROSOL: Wetting Agents—American Cyanamid Co, Industrial Chem Div
AERO-VIBE: Screens, Vibrating—Allis-Chalmers Mfg Co
AERZONATOR: Deodorants—U S Sanitary Specialties Corp
AESCO: Products—Asphalt Emulsion Service
AETNA: Products—Aetna Scientific Co
AFCO: Products—Alex C Fergusson Co
AFCO 44: Detergents—Alex C Fergusson Co
AFCO VIGILANCE: Germicides—Alex C Fergusson Co
AFTA: Fluids, Cleaning—Afta Solvents Corp
AFTALENE: Fluids, Cleaning—Afta Solvents Corp
AFTITE: Fluids, Cleaning—Afta Solvents Corp
AGIDISE: Filters, Vacuum—Eimco Corp
AGITAIR: Machinery—Galigher Co
AGITAIR: Products—Air Devices
AGITAIR FLOTATION: Cells, Flotation—Galigher Co
AGITOR: Products—Graymills Corp
AGROX: Fungicides, Seed—Chipman Chem Co
AHCOBOND: Binders, Textile—Arnold, Hoffman & Co
AHCOFIX: Fixing Agents, Textile—Arnold, Hoffman & Co
AHCOLS: Oils, Sulfonated—Arnold, Hoffman & Co
AHCOSPUN: Sizes, Textile—Arnold, Hoffman & Co
AHCOVATS: Dyes, Vat—Arnold, Hoffman & Co
AHCOVELS: Softeners, Textile—Arnold, Hoffman & Co
AHCOWETS: Wetting Agents—Arnold, Hoffman & Co
AIMSWORTH: Balances & Weights—Wm Aimsworth & Sons
AINSLEE BLACK: Inks, Printing—W D Wilson Printing Ink Co
AIR CUSHION: Valves—Pennsylvania Pump & Compressor Co
AIR MIX: Herbicides—Miller Products Co
AIR WARDEN: Airline—Hannifin Corp
AIRCHECK: For Check Valves—Pennsylvania Pump & Compressor Co
AIRCO: Apparatus, Welding—Air Reduction Co
AIR-CRETE: Concrete Air-Entrainment-Sullivan Co
AIRFLEX: Couplings, Flexible—Falk Corp
AIRFOAM-GENERATING: Nozzles, Fire-Fighting—American LaFrance Foamite Corp
AIRFUGE: Separators, Air—Swartwout Co
AIRMAT DUST ARRESTER: Collectors, Dust—American Air Filter Co
AIROCOOL: Burners, Gas-National Airoil Burner Co
AIROVENT: Burners, Gas-National Airoil Burner Co
AIROY: Pumps, Air Operated—Milton Roy Co
AIROYMETRIC: Pumps, Air Operated—Milton Roy Co
AIR-RIGHTS: Trucks, Lift—Elwill-Parker Elec Co
AIRSET: Mills, Roller—Allis-Chalmers Mfg Co
AIR-SET INKS: Inks, Printing—W D Wilson Printing Ink Co
AIRSTAT: Controls, Furnace—Minneapolis-Honeywell Regulator Co
AIRSWEET: Products—Uncle Sam Chem Co
AIRSWITCH: Equipment, Refrigerating—Minneapolis-Honeywell Regulator Co
A-JACKS: Regulators, Boiler—Read Standard Corp
AJAX: Acid, Leavening—Victor Chem Wks
AJAX: Scouring Compounds—Colgate-Palmolive-Peet Co
AJAX: Varnishes, Insulating—Sherwin-Williams Co
AJAX SPIRALWOUND: Gaskets, Asbestos—U S Gasket Co
AJAX-HULTGREN: Furnaces, Electrical-Ajax Elec Co
AKAUSTAN: Fireproofing Compounds, Fabric—General Dyestuff Corp
AKROFLEX: Anti-Oxidants. Rubber—E I Du Pont de Nemours & Co, Organic Chem Dept, Rubber Chem Div
AKTIVIN: Bleaches & Disinfectants—Heyden Chem Corp
AKTIVIN S: Starch Improvers—Heyden Chem Corp
AKTONE: Chemicals, Rubber—J M Huber Corp
AKUSAKA: Wax, Japan, Substitute—T G Cooper & Co
AKWAFALT: Emulsions, Asphalt—Asphalt Emulsion Service
ALABASTINE: Paints, Aluminum—Alabastine Paint Products
ALAMASK: Deodorants—E I Du Pont de Nemours & Co, Organic Chem Dept
ALANOL: Alcohol, Lanolin (Liquid)—Robinson-Wagner Co
ALATHON: Resins, Polythene—E I Du Pont de Nemours & Co, Polychem Dept
ALBACER: Wax, Synthetic—Glyco Products Co
ALBONE: Hydrogen Peroxide—E I Du Pont de Nemours & Co, Electrochem Dept
ALBUSOL: Albumen Solutions—Mallinckrodt Chem Wks
ALCOFOAM POWDER: Chemicals, Fire Extinguishing—American LaFrance Foamite Corp
ALCOLAN: Lanolin—Robinson-Wagner Co
ALCOLEC: Lecithin—American Lecithin Co
ALCONOX: Products—Alconox Inc
ALCOZYME: Enzymes—Wallerstein Co, Inc
ALDEHOL: Denaturants, Alcohol—Kay-Fries Chem
ALDO: Emulsifiers, Edible-Glyco Products Co
ALEMITE: Equipment, Lubricating—Stewart-Warner Corp
ALFCO: Extinguishers, Fire—American LaFrance Foamite Corp
ALFCOSPRAY: Nozzles, Fire-Fighting—American LaFrance Foamite Corp
ALFITE: Extinguishers, Fire—American LaFrance Foamite Corp
ALFRANE: Cements, Acid-Proof—Atlas Mineral Products Co
ALFRAX: Products-Carborundum Co
ALGICIDE: Products—Industrial Colloids & Chem
ALGOL: Dyes, Vat—General Dyestuff Corp
ALGOLSOL: Dyes, Vat—General Dyestuff Corp
ALGOR: Boiler Treatment—Feedwaters Inc
ALIPAL: Detergents, Household—General Dyestuff Corp
ALIPHAT: Acids, Fatty—Gen Mills
ALKALATE: Products—Diamond Alkali Co
ALKALOY: Coatings, Alkali-Proof—Atlas Mineral Products Co
ALKANOL: Wetting Agents—E I Du Pont de Nemours & Co, Organic Chem Dept
ALKATERGE: Surface Active Agents, Cationic—Commercial Solvents Corp
ALKATITE: Finishes, Alkali-Resistant—Pratt & Lambert
ALKOFLEX: Plasticizers—Alkydol Labs
ALKOIL: Oils, Drying, Synthetic—Alkydol Labs
ALK-O-MER: Emulsions, Vinyl—Alkydol Labs
ALKOMINE: Detergents—Amalgamated Chem Corp
ALKON: Polyalkanolamine Carbonates—Mallinckrodt Chem Wks
ALKOR: Cements, Acid-Proof—Atlas Mineral Products Co
ALKRON: Parathion—Eston Chem
ALKYTALL: Oil, Tall—Alkydol Labs
ALLEGHENY METAL: Steels, Stainless—Allegheny Ludlum Steel Corp
ALLEN: Clays, Insecticide—United Clay Mines Corp
ALLEN-MOORE: Cells, Electrolytic—Allen Electrolytic Cell Corp
ALLEN'S SHU-PRESERVER: Products—Burns Allen Co
ALLERGEX: Products—Carnegie Chem Mfg Co
ALLIED SS: Hose, Metal Flexible—Allied Metal Hose Co
ALLIED 10-X: Hose, Steel Exhaust—Allied Metal Hose Co
ALLISITE: Alloys, Iron—Allis-Chalmers Mfg Co
ALL-MOTOR MOTOREDUCER: Products—Falk Corp
ALLOMINE: Softeners, Textile—Scholler Bros
ALLPRENE: Packings, Sheet—Chicago Gasket Co
ALL-PURPOSE W: Products—Diamond Alkali Co

ALL-WEATHER: Extinguishers, Fire—American LaFrance Foamite Corp
ALL-WEATHER: Motors, Splash-Proof—Robbins & Meyers
ALMAG 35: Alloys, Aluminum—William F Jobbins
ALODINE: Inhibitors, Corrosion—American Chem Paint Co
ALOXITE: Products—Carborundum Co
ALOYCO: Products—Alloy Steel Products Co
ALPCO: Wax Products—American Lignite Products Co
ALPEROX C: Lauroyl Peroxide—Novadel-Agene Corp, Lucidol Div
ALPHA: Pumps, Oil—Lunkenheimer Co
ALPHA TRI-CORE: Solders, Rosin Core—Northwest Lead Co
ALPHANOL: Dyes, Acid—General Dyestuff Corp
ALPHATRON: Gauges, Vacuum—National Research Corp
ALPHENAL: Acid, Barbituric—Gane's Chem Works
ALPINE VIOLET: Cyclamen Aldehyde—E I Du Pont de Nemours & Co, Organic Chem Dept
ALRODYNES: Emulsifiers—Alrose Chem Co
ALROLENES: Detergents, Solvent Soluble—Alrose Chem Co
ALROMINES: Softeners, Textile—Alrose Chem Co
ALROPEL: Water Repellents—Alrose Chem Co
ALROSENE: Mod Alcohol Sulfate—Alrose Chem Co
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AMBRITE: Products—Chapman Chem Co
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AMDEGG: Albumin, Egg—Emulsol Corp
AMERAN: Products—American Anode
AMERCHOL: Sterole—American Cholesterol Products
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AMERICAN: Products—Oliver United Filters
AMERICAN: Screening, Insect Wire—Colorado Fuel & Iron Corp
AMERICAN BALL BLUE: Laundry Bluing—Calco Chem Div
AMERICAN ELECTROLYTIC: Zinc—American Zinc Sales Co
AMERICAN HV: Filters, Air, Viscous—American Air Filter Co
AMERICAN-LAFRANCE: Apparatus, Fire-Fighting—American LaFrance Foamite Corp
AMERICAN-MARSH: Pumps, Fire—Portable & Truck Mounted—American Marsh Pumps
AMERLITH: Driers, Printing Ink—American Lithographic Varnish Co
AMESTEAM: Generators, Steam—Ames Iron Works
AMICROL: Preservatives—Heyden Chem Corp
AMINCO: Apparatus, Laboratory—American Instrument Co
AMMATE: Weed Killers—E I Du Pont de Nemours & Co, Grasselli Chem Dept
AMMO-PHOS: Fertilizers, High Analysis—Mathieson Chem Corp
AMNOX: Anti-Oxidants, Rubber-Naugatuck Chem Div
AMOCEL: Insulating Materials, Heat—Union-Asbestos & Rubber Co
AMODYN: Explosives—Atlas Powder Co
AMOLINE: Oils, Textile—Amalgamated Chem Corp
AMPACET: Products—American Molding Powder & Chem Co
AMPCO: Pumps—Ampco Metals
AMPCO WELD: Electrodes, Resistance Welding—Ampco Metal
AMPCO-TRODE: Electrodes, Aluminum Bronze—Ampco Metal
AMPIPE: Pipes, Plastic—Atlas Mineral Products Co
AMPKOTE: Linings, Corrosion-Proof—Atlas Mineral Products Co
AMPLAST: Coatings, Pipe—Atlas Mineral Products Co
AMPROFLEX: Linings, Plastic—Atlas Mineral Products Co
AMPROZYME: Desizing Agents—Jacques Wolf & Co
AMPVAR: Coatings, Acid-Proof—Atlas Mineral Products Co
AMRES: Products—American-Marietta Co
AMSCO: Machines, Bag Closing—Miller Wrapping Sealing Mach Co
AMSCO: Products—American Mineral Spirits Co
AMSCO: Thinners, Paint, Varnish—J W Guthrie Co
AMSCO MANGANESE STEEL: Alloys, Impact Resistant—American Brake Shoe Co
AMSCO-SOLV: Solvents, Aromatic—American Mineral Spirits Co
AMYLIQ: Enzymes—Wallerstein Co
ANACONDA: Products—American Brass Co
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ANCHOR: Lime (Chemical)—Cutler-Magner Co
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ANHYDRO: Cleaners, Metal—Foy Electro-Chem Co
ANODEX: Latex—American Anode
ANOZINC: Salts for Anodizing Zinc—United Chromium
ANSOL: Solvents, Nitrocellulose—U S Industrial Chem
ANSTAC: Products—Chem Development Corp
ANSUL: Product—Ansul Chem Co
ANSUL-BLO: Blowing Agents, Sponge Rubber—Ansul Chem Co
ANTARA: Whitening Agents, Optical—General Dyestuff Corp
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ANTARANE: Surfactants—General Dyestuff Corp
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ANTHEROSIA: Perfume-Firmenich & Co
ANTHONY: Products—Anthony Co
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ANTHRALAN: Dyes, Acid—General Dyestuff Corp
ANTHRASOL: Dyes, Vat—General Dyestuff Corp
ANTI-GYP: Barium Carbonate, Precipitated—Chicago Copper & Chem Co
ANTI-HYDRO: Waterproofing Agents, Masonry—Kemiko Mfg Co
ANTIMOL: Preservatives, Food—Seydel Chem Co
ANTIRANEIDOL: Anti-Oxidants—R F Revson Co
ANTI-RUST CRYSTAL: Anti-Corrosion Agents—Brine-Feedwaters Inc
ANTISOL: Products—Kessler Chem Co
ANTOX: Anti-Oxidants, Rubber—E I Du Pont de Nemours & Co, Organic Chem Dept, Rubber Chem Div
APCO: Pumps, Turbine (Vertical & Horizontal)—Aurora Pump Co
APCODYN: Explosives—Atlas Powder Co
APCOL: Explosives—Atlas Powder Co
APEX: Castings—Apex Non-Ferrous Foundry
APEX: Explosives, Quarry—Atlas Powder Co
APEX: Fittings, Aluminum, Bronze—Apex Elec Mfg Co
APEX: Recorders, Carbon Dioxide—Uehling Instrument Co
APEX: Steel Strappings—Signode Steel Strapping Co
APHIDO: Insecticides, Garden—Miller Products Co
APOCHROME: Dyes, Chrome-Poughkeepsie Dyestuff Corp
APPLEGATE: Inks, Indelible—Applegate Chem Co
APPRETAN: Finishes, Textile—General Dyestuff Corp
AQUA SUDS: Soaps, Liquid—Hartman-Leddon Co
AQUACILLIN: Penicillin—Schenley Labs
AQUADA: Vitamin Concentrates—Douglas Chem Corp
AQUADAG: Graphite Colloidal—Acheson Colloids Corp
AQUAGEL: Drilling Muds, Oil-Well—Baroid Sales Div
AQUAKALS: Penetrants & Wetting Agents—Kali Mfg Co
AQUA-LAC: Products—A Adler & Co
AQUANITE: Lacquers & Stains—Atlas Powder Co, Industrial Finishes Dept
AQUARESIN: Glycerin, Substitute—Glyco Products Co
AQUAREX: Wetting Agents—E I Du Pont de Nemours & Co, Organic Chem Dept, Rubber Chem Div
AQUASET: Ink, Moisture Set—Bowers Printing Ink Co
AQUASOL: Oil, Sulfonated Castor—American Cyanamid Co, Industrial Chem Div
AQUA-SOL: Soaps, Dry-Cleaning—Industrial Colloids & Chem
AQUASTATS: Controls, Furnace—Minneapolis-Honeywell Regulator Co
AQUATONE: Anti-Corrosion Agents, Brine—Amplon Corp
AQUATOWER: Cooling Towers, Spray—Marley Co
AQUA-VACTOR: Ejectors, Water Jet—Croll Reynolds Co
AQUAWAX: Waxes, Synthetic—Concord Chem Co
AQUET: Detergents—Emil Greiner Co
ARABOL: Adhesives—Arabol Mfg Co
ARALDITE: Adhesives—Ciba Co
ARAMITE: Miticides—Naugatuck Chem Div
ARANOX: Anti-Oxidants, Rubber—Naugatuck Chem Div
ARASAN: Disinfectants, Seed—E I Du Pont de Nemours & Co, Grasselli Chem Dept
ARAZATE: Accelerators, Rubber—Naugatuck Chem Div
ARC: Detergents—Industrial Colloids & Chem
ARCADIAN: Nitrate of Soda—Barrett Div
ARCCO: Products—American Resinous Chem Corp
ARCH-CRIMP: Screens, Woven Wire—Ludlow-Saylor Wire Co
ARCO: Products—Automotive Rubber Co
ARCO RAYS: Paints, Mill White—Arco Co
ARCOZON: Lacquers, Automotive—Arco Co
ARCTIC: Extinguishers, Fire—American LaFrance Foamite Corp
ARCTIC: Oil, Sulfonated Neatsfoot—Neatsfoot Oil Refineries Corp
ARCTIC CRYSTAL: Soaps—Colgate-Palmolive-Peet Co
ARCTIC SYNTEX: Detergents, Synthetic—Colgate-Palmolive-Peet Co
ARESKAP: Wetting Agents—Monsanto Chem Co, Phosphate Div
ARESKET: Wetting Agents—Monsanto Chem Co, Phosphate Div
ARESKLENE: Wetting Agents—Monsanto Chem Co, Phosphate Div
ARGO: Products—Corn Products Refg Co
ARGOL: Oils, Cutting (Soluble)—W A Wood Co
ARGOSITE: Clays, Bentonite—United Clay Mines Corp
ARIDEX: Water Repellents—E I Du Pont de Nemours & Co, Organic Chem Dept
ARIDIFIER: Separators, Air—Logan Engrg Co
ARIDYE: Pigments, Textile—Interchem Corp
ARIGEN: Dyes—Interchem Corp
ARISTOL: Drawing Compounds, Wire—Arista Oil Products Co
ARISTOWAX: Wax, Paraffin—Petroleum Specialties
ARISTOWAX: Wax, Paraffin—Union Oil Co of Cal
ARKELENE: Products—Arkell Safety Bag Co
ARKELENE-K: Products—Arkell Safety Bag Co
ARKSAFE: Products—Arkel Safety Bag Co
ARLACEL: Alcohols, Polyhydric—Atlas Powder Co
ARLAMEC: Alcohols, Polyhydric—Atlas Powder Co
ARLEX: Solutions, Sorbitol—Atlas Powder Co
ARMCO: Products—Armco Steel Corp
ARMCO ELEC: Stainless Steel—Armco Steel Corp
ARMGLAZE: Glazing Compounds—Armstrong Co
ARMOFOS: Sodium Tripolyphosphate—Maas Chem Co
ARMOL: Monomethyl p-Amino Phenol Sulfate—Maas Chem Co
ARMORTUBE: Tubings, Pneumatic—Bailey Meter Co
ARMOURING: Floor Surface Reinforcing—Irving Subway Grating Co
ARMSTRONG'S: Products—Armstrong Cork Co
ARO BROM: Disinfectants—Gerson Stewart Corp
AROCHEM: Resins, Maleic—U S Industrial Chem
AROCLOR: Resins, Synthetic—Monsanto Chem Co, Phosphate Div
ARODURE: Resins, Urea Formaldehyde—U S Industrial Chem
AROFENE: Resins, Phenol Formaldehyde—U S Industrial Chem
AROFLAT: Vehicles, Wall Paint—U S Industrial Chem
AROFLINT: Resin, Air Curing Phenolic—U S Industrial Chem
AROIL: Herbicides—Miller Products Co
AROLENE 1980: Plasticizers, Rubber—C P Hall Co
AROMEX (HAF): Carbon Black—J M Huber Corp
ARONOX: Anti-Oxidants, Rubber—Naugatuck Chem Div
AROPLAZ: Resins, Alkyd—U S Industrial Chem
AROPOL: Copolymers, Alkyd—U S Industrial Chem
ARROLIME: Buffing Compositions—Hanson-Van Winkle-Munning Co
ARROW TX (MPC): Carbon Black—J M Huber Corp
ARROW-HART: Controls, Motor—Arrow-Hart & Hegeman Elec Co
ARSECO: Products, Alcohol—Riverside Chem Co
ARTESIAN MONOSTAT: Regulators, Pressure—Emil Greiner Co
ARTIC: Methyl Chloride—E I Du Pont de Nemours & Co, Electrochem Dept
ARTISTAIN: Stains, Wood Furniture—Sherwin-Williams Co
ARWAX: Additives, Wax—American Resinous Chem Corp
ASARCO: Products—American Smelting & Refining Co
ASBESTOPAK: Packing, Asbestos—Felt Products Mfg Co
ASCO: Products—Automatic Switch Co
ASHCO: Brick, Refractory—North American Refractories Co
ASHCROFT: Gauges—Manning, Maxwell & Moore
ASHLAND CROWN: Brick, Refractory—North American Refractories Co
ASHVEYOR: Ash Conveyors, Pneumatic—Brady Conveyors Corp
ASP: Products—Edgar Bros Co
ASSOCIATED: Lead Oxide—Associated Lead & Zinc Co
ASSOCIATED SOLVSOLS: Solvents, Petroleum—Tide Water Associated Oil Co
ASTRACEL: Dyes, Acid—General Dyestuff Corp
ASTROL: Dyes, Acid—General Dyestuff Corp
ASTROTONE: Musk, Synthetic—E I Du Pont de Nemours & Co, Organic Chem Dept

ATCO: Products—American Tar Co
ATCO BINDTEX: Slipproofing Agents—Atlantic Chem Co
ATCO CARBOWET: Wetting Agents—Atlantic Chem Co
ATCO GF: Anti-Fumes—Atlantic Chem Co
ATCO KONCRETE KOAT: Coatings, Water-Proof—American Tar Co
ATCO MERPENE: Wetting Agents—Atlantic Chem Co
ATCO MULSION: Water Repellents—Atlantic Chem Co
ATCO SLIPPROOF: Slipproofing Agents—Atlantic Chem Co
ATCODRI: Water Repellents—Atlantic Chem Co
ATCONIL: Detergents—Atlantic Chem Co
ATCOPAL: Detergents—Atlantic Chem Co
ATCOPEN: Wetting Agents—Atlantic Chem Co
ATCOPERM: Stiffeners—Atlantic Chem Co
ATCOPON: Detergents—Atlantic Chem Co
ATCOSENE: Sequestering Agents—Atlantic Chem Co
ATCOSOFT: Softeners—Atlantic Chem Co
ATCOSYN: Detergents—Atlantic Chem Co
ATCOTAL: Fatty Acids—Atlantic Chem Co
ATCOTRAN: Instruments, Precision—Automatic Temperature Control Co
ATCOWET: Detergents—Atlantic Chem Co
ATCOZYME: Enzymes—Atlantic Chem Co
ATLACIDE: Herbicides—Chipman Chem Co
ATLANTIC: Products—Atlantic Gelatin Div
ATLAS: Adhesives—Atlas Adhesives
ATLAS: Alcohols, Hexahydric—Atlas Powder Co
ATLAS: Products—Atlas Mineral Products Co
ATLAS: Products—Chem Mfg Sales Co
ATLAS: Products—H Kohnstamm & Co
ATLAS A: Herbicides—Chipman Chem Co
ATLASTASEL: Linings, Corrosion-Proof—Atlas Mineral Products Co
ATLASTASOL: Coatings, Plating Rack—Atlas Mineral Products Co
ATLASTAVON: Linings, Corrosion-Proof—Atlas Mineral Products Co
ATLASTIC: Coatings, Asphalt—Atlas Mineral Products Co
ATLASTIC 31: Linings, Asphalt—Atlas Mineral Products Co
ATLOX: Parasiticides, Agricultural—Atlas Powder Co
ATOMAGNETS: Magnets—Eriez Mfg Co
ATOMITE: Calcium Carbonate—Thompson, Weinman & Co
ATTACLAY: Clays, Insecticidal Dusting—Attapulgus Clay Co
ATTASOL: Clays, Colloidal—Attapulgus Clay Co
ATTORIS: Cleaners, Fur—Bernard Sirotta Co
AULTITE: Coatings, Drum Lining—Interchem Corp
AURAGREEN: Dyes, Green—Mallinckrodt Chem Wks
AURANTIOL®: Perfume Specialties—Givaudan-Delawanna
AURORA: Pumps, Centrifugal—Aurora Pump Co
AUSTIN: Lime, Agricultural, White—Austin White Lime Co
AUTO-LITE: Thermometers—Elec Auto-Lite Co
AUTOMARX: Marking Devices—Special Screw Products Co
AUTORAD: Automobile Specialties—Superior Chem Wks
AUTORATOR: Tirators, Automatic—Coleman Instruments
AUTO-SLUICE: Filters, Automatic Cleaning—Niagara Filter Corp
AUTOTONE: Products—Uncle Sam Chem Co
AUXANINE: Mordants—General Dyestuff Corp
AUXANOL: Mordants—General Dyestuff Corp
AVENARIUS: Insecticides—Carbolineum Wood Preserving Co
AVIALITE: Alloys, Copper & Aluminum—American Brass Co
AVITEX: Finishes, Textile—E I Du Pont de Nemours & Co, Organic Chem Dept
AVITONE: Finishes, Textile—E I Du Pont de Nemours & Co, Organic Chem Dept
AVON ANNALOS: Herbicides—Tide Water Associated Oil Co
AVON ARLAND #76: Herbicides—Tide Water Associated Oil Co
AXIVANE: Fans, Ventilating—Joy Mfg Co
AZITE 900: Adhesives—American Cyanamid Co, Industrial Chem Div
AZO: Zinc Oxide—American Zinc Sales Co
AZO FUCHSINE: Dyes, Acid—General Dyestuff Corp
AZO PHLOXINE: Dyes, Acid—General Dyestuff Corp
AZOCEL: Products—Synthetic Chem
AZONINE: Dyes, Azo—General Dyestuff Corp
AZOPHOR: Dyes, Azo—General Dyestuff Corp
AZOSOL: Dyes, Spirit Soluble—General Dyestuff Corp

3-B MERCAPTAN: Dodecyl Mercaptan, Tertiary—Sharples Chem
B-36: Polyvinyl Chloride—General Magnesite & Magnesia Co
50-B: Plasticizers—Barrett Div
B-B-L: Products—Baltimore Biological Lab
B-G: Constant Flow Equipment—Barber Greene Co
B L E: Anti-Oxidants, Rubber—Naugatuck Chem Co
B-NOBATRON: D C Supplies, Low Current—Sorensen & Co
B P PYRO: Acid, Leavening—Victor Chem Wks
B R C: Pitch, Rubber Compounding—Barrett Div
B R H: Softeners, Rubber—Barrett Div
B R S: Softeners, Rubber—Barrett Div
B R T: Saturants, Coal Tar—Barrett Div
B R U: Softeners, Rubber—Barrett Div
B S & B: Controls, Climax—Black, Sivalls & Bryson
B S M-11: Disinfectants, Industrial—Buckman Labs
B-S TYPE: Photometers & Refractometers—Phoenix Precision Instruments
B T C: Deodorants—Onyx Oil & Chem Co
B T F: Buffs—Hanson-Van Winkle-Munning Co
B & W: Boilers—All Types—Babcock & Wilcox
B & W: Tubing & Pipe—Babcock & Wilcox Tube Co
B/W FLOATLESS: Controls, Liquid Level—B-W Controller Corp
B W D: Filters, Leaf—Multi Metal Wire Cloth Co
BWH-1: Plasticizers, Rubber—Naugatuck Chem Div
BABSOLV: Detergents, Synthetic—Slater-Robbins Co
BABSTOD: Products—Slater-Robbins Co
BABTEX: Removers, Paint & Varnish—Slater-Robbins Co
BABZYME: Products—Slater-Robbins Co
BADGER: Foundry Facing—Donald Sales & Mfg Co
BAILEY METERS: Meters, Air—Bailey Meter Co
BAINBRIDGE: Feldspar—United Clay Mines Corp
BAITO: Insecticides, Garden—Miller Products Co
BAKE-AID: Preventives, Rope—Victor Chem Wks
BAKELITE: Products—Bakelite Co Div
BAKER: Equipment, Air Conditioning—Baker Refrigeration Corp
BAKER: Cranes, Truck—Baker-Raulang Co
BAKERAIRE: Equipment, Air Conditioning—Baker Refrigeration Corp
BALDOR: Motor Systems, Adjustable Speed—Baldor Elec Co
BALDWIN-REX: Chains, Roller—Chain Belt Co
BALLPEB: Mills, Grinding—Allis-Chalmers Mfg Co
BANCROFT: Clays, Insecticide—United Clay Mines Corp
BANNER: Lubricators, Automatic—Lunkenheimer Co
BANNER: Polish, Metal—Munning & Munning
BARAK: Activators, Rubber Accelerator—E I Du Pont de Nemours & Co, Organic Chem Dept, Rubber Chem Div
BARAWATE: Products—Baroid Sales Div
BARBER: Gilsonite—American Bitumuls Co
BARCO: Products—Barco Chem Products Co
BARDOL: Oils, Rubber Compounding—Barrett Div
BARISOL BRM: Detergents—Dexter Chem Corp
BARNSTEAD: Equipment, Demineralizing—Barnstead Still & Sterilizing Co
BAR-NUN: Sifters—B F Gump Co
BAROCO: Drilling Muds, Oil-Well—Baroid Sales Div
BAROID: Drilling Muds, Oil-Well—Baroid Sales Div
BAROMIX: Products—Berry Asphalt Co
BARSPROUT: Inhibitors, Sprout—American Cyanamid Co
BARTLETT LIGNATOX: Pentachloroethane—Bartlett Chem
BARTON-AMERICAN: Pumps, Fire-Portable & Truck Mounted—American Marsh Pumps
BARTYL®: Anti-Skinning Agents, Paints—Sindar Corp
BASOLIT: Cements, Acid-Proof—Nukem Products Corp
BATES: Colors, Food—Bates Chem Co
BAUER: Processing Machinery, Mills, Refiners, Separators—Bauer Bros Co
BAUER-McNETT: Classifiers, Laboratory—Bauer Bros Co
BAYFLEX: Abrasives, Grinding—Bay State Abrasive Products Co
BAYSOL: Emulsifiers—Universal Chem Co
BAYTEX: Adhesives—Union Bay State Chem Co
BEAMAX: Products—Davies-Young Soap Co
BEAR GERMANTOWN: Lamp Black—Cole & De Graf
BECCO: Hydrogen Peroxide—Becco Sales Corp
BECKACITE: Resins, Phenolic (Modified)—Reichhold Chem
BECKAMINE: Resins, Urea Formaldehyde—Reichhold Chem
BECKERLOY: Weights, Analytical—Christian Becker
BECKOLIN: Oils, Synthetic—Reichhold Chem
BECKOSOL: Resins, Alkyd—Reichhold Chem
BEDMINSTER: Clays, Ball—United Clay Mines Corp
BEECHO: Products—E S Browning Co
BEECHWOOD: Lime—Hanson-Van Winkle-Munning Co
BEE-JAY: Pumps, Turbine—Byron Jackson Co
BEE-LINE: Machinery, Label—Economic Machy Co
BELACHROME: Products—Belle Chem Co
BELACID: Products—Belle Chem Co
BELACYL: Products—Belle Chem Co
BELAFORM: Products—Belle Chem Co
BELAMINE: Products—Belle Chem Co
BELANTHRENE: Products—Belle Chem Co
BELCOLAN: Products—Belle Chem Co
BELFOR TUMBLER: 1 Qt Cap Tumbling Barrel Motorized—Munning & Munning
BELGRADE: Glue, Wheel Polishing—Hanson-Van Winkle-Munning Co
BELL: Clays, Ball—Whittaker, Clark, & Daniels
BELL: Products—Bell Co
BELL MINE: Lime (Hydrated), Chemical—Warner Co
BELMONT: Products—Belmont Smelting & Refining Co
BELOGENE: Products—Belle Chem Co
BELRO: Resins—Hercules Powder Co
BEN HUR: Cleaners, Floor—Colgate-Palmolive-Peet Co
BENEYL CHEMOSEPT: Preservatives—Chemo Puro Mfg Co
BENLO: Benzyl Benzoate—R J Strasenburgh Co
BENOCLOR: Weed Killers—Cloroben Corp
BENOWAX: Wax, Petroleum—American Cyanamid Co, Industrial Chem Div
BENOX: Products—B L Lemke & Co
BENSAPOL: Scouring Compounds—Jacques Wolf & Co
BENTHAL: Resins, Alkyd, Intermediate—Monsanto Chem Co, Organic Chem Div
BENTONE: Grease Bases—Baroid Sales Div
BENZAHEX: Insecticides—Chipman Chem Co
BENZO: Dyes, Direct—General Dyestuff Corp
BENZOFORM: Dyes, Direct—General Dyestuff Corp
BENZYL TEGOSEPT: Benzyl p-Hydroxy Benzoate—Goldschmidt Chem Corp
BERNABASE: Dyes, Cotton (Bases)—Bernard Color & Chem Corp
BERNABON: Dyes, Acetate—Bernard Color & Chem Corp
BERNACET: Dyes, Acetate—Bernard Color & Chem Corp
BERNACETINE: Dyes, Mixed Fibres, Silk & Rayon—Bernard Color & Chem Corp
BERNACHROME: Dyes, Chrome—Bernard Color & Chem Corp
BERNACID: Dyes, Acid—Bernard Color & Chem Corp
BERNACYL: Dyes, Acetate—Bernard Color & Chem Corp
BERNAFAST: Dye Fixatives—Bernard Color & Chem Corp
BERNAFIX: Mordants, Dye—Bernard Color & Chem Corp
BERNAFOAMEX: Defoaming Agents, Textile—Bernard Color & Chem Corp
BERNAFORM: Dyes, Rayon—Bernard Color & Chem Corp
BERNAFUR: Dyes, Fur—Bernard Color & Chem Corp
BERNAGEL: Sizes, Textile—Bernard Color & Chem Corp
BERNAGEN: Dyes, Azo—Bernard Color & Chem Corp
BERNAGUM: Gums, Textile & Fur Prtg—Bernard Color & Chem Corp
BERNALIN: Dyes, Acid—Bernard Color & Chem Corp
BERNALIZARINE: Anthraquinone—Bernard Color & Chem Corp
BERNALOID: Dyes, Vat—Bernard Color & Chem Corp
BERNAMERSE: Assistants, Textile—Bernard Color & Chem Corp
BERNAMINE: Dyes, Direct—Bernard Color & Chem Corp
BERNAMUL: Emulsifying Agents—Bernard Color & Chem Corp
BERNANTHRENE: Dyes, Vat—Bernard Color & Chem Corp
BERNAPEN: Penetrating Agents—Bernard Color & Chem Corp
BERNAPHTHOL: Dyes, Naphthol—Bernard Color & Chem Corp
BERNAPLAST: Dyes, Plastic—Bernard Color & Chem Corp
BERNAPLY: Dyes, Mixed Fibres—Bernard Color & Chem Corp
BERNASALT: Dyes, Salts—Bernard Color & Chem Corp
BERNASIST: Assistants, Dye—Bernard Color & Chem Corp
BERNASOFT: Assistants, Textile—Bernard Color & Chem Corp
BERNASOLVE: Solvents, Synthetic—Bernard Color & Chem Corp
BERNASTRIP: Stripping Agents, Textile—Bernard Color & Chem Corp
BERNASUL: Dyes, Sulfur—Bernard Color & Chem Corp
BERNATAN: Tanning Agents—Bernard Color & Chem Corp
BERNATARD: Retarding Agents—Bernard Color & Chem Corp
BERNATERGE: Soaps, Synthetic—Bernard Color & Chem Corp
BERNAZINE: Dyes, Basic—Bernard Color & Chem Corp
BERNAZO: Dyes, Cotton & Rayon—Bernard Color & Chem Corp
BERNAZYME: Desizers, Enzymatic—Bernard Color & Chem Corp
BERNOIL: Dyes, Oil—Bernard Color & Chem Corp
BERNPRINTACID: Dyes, Acid—Bernard Color & Chem Corp
BERNPRINTACYL: Dyes, Acetate—Bernard Color & Chem Corp
BERNPRINTAMINE: Dyes, Direct—Bernard Color & Chem Corp
BERNPRINTAZINE: Dyes, Basic—Bernard Color & Chem Corp
BERYLITE: Mills—Patterson Foundry & Mach Co
BES-BLO: Blowers, Standard Attachment—Besler Corp
BESCO: Fillers, Leather—Buffalo Extract & Supply Co
BES-KIL: Concentrate Sprayers, Steam Pressure—Besler Corp
BESLER: Boilers, High Pressure—Besler Corp
BES-SPRAY: Machines, Spraying—Besler Corp
BESTICK: Adhesives—United Paste & Glue Corp
BESTONE: Talc—Smith Chem & Color Co
BETANOX SPECIAL: Anti-Oxidants, Rubber—Naugatuck Chem Div
BETASOL: Wetting Agents—American Cyanamid Co, Industrial Chem Div
BETHLEHEM: Roasters, Wedge—Nichols Engrg & Research Corp
BEUTENE: Accelerators, Rubber—Naugatuck Chem Div
BICROX: Packers, Barrel—B F Gump Co
BIG BES-BLO: Blowers—Besler Corp
BIG NUT: Oil, Turpentine—Spesco Wholesale Hardware Co
BIG-FLO: Filters, Pressure—Butler Mfg Co
BILLION BUBBLE: Bases, Soap—Ampion Corp
BILTON: Pumps, Centrifugal—Byron Jackson Co
BIN-DICATOR: Indicators, Dry Material Level—Bin-Dicator Co
BIN-EYE: Controls, Bin Level—Jeffrey Mfg Co
BIN-FLO: Aerators—Bin-Dicator Co
BINGO: Cleaners, Drain Pipe—Huntington Labs
BIOBATE: Bates, Tanning—Wallerstein Co, Inc
BIONOL: Germicides—Antara Products Div
BIONOL: Germicides—General Dyestuff Corp
BIOPAL: Germicides—General Dyestuff Corp
BIO-RESEARCH OLD TUBERCULIN: Products—Bio-Research Labs
BIRD: Machinery—Bird Machinery Co
BIRD-YOUNG: Filters, Vacuum—Bird Mach Co
BIRTANK: Products—Ingalls Iron Wks Co
BITUMASTIC: Coatings—Koppers Co

BITUMULS: Asphaltum—American Bitumuls Co
BLACK DIAMOND: Hydrocarbon, Hard—Witco Chem Co
BLACK HILLS: Clays, Colloidal—Eastern Clay Products
BLACKMER: Pumps—Blackmer Pump Co
BLANCAL: Extenders, Barium-Calcium—Witco Chem Co
BLANCH: Cleaners—Fuld Bros
BLANCHIT: Bleaches, Wood—L R Van Allen Co
BLANCO: Products—Schwarz Labs
BLANCOL: Assistants, Bleaching—General Dyestuff Corp
BLANCOPHOR: Whitening Agents, Optical—Antara Products Div
BLANCOPHOR: Whitening Agents, Optical—General Dyestuff Corp
BLANKIT: Bleaches, Textile—General Dyestuff Corp
BLAZECRETE: Refractories—Goetze Gasket & Packing Co
BLEACHETTE: Laundry Bluing—Calco Chem Div
BLICKMAN: Equipment, Laboratory—S Blickman
BLICKMAN-BUILT: Equipment, Laboratory—S Blickman
BLIZZARD: Anti-Freeze, Alcohol—George Senn
BLUE BAND: Sours, Laundry—Ecclestone Chem Co
BLUE CLUB: Anti-Freeze—Cities Service Co
BLUE FACE: Pulleys—Sprout Waldron & Co
BLUE RIBBON: Products—L Hemmerdinger & Co
BLUE STREAK: Trucks, Hand Lift—Yale & Towne Mfg Co
BOBBING: Compositions, Buffing—Hanson-Van Winkle-Munning Co
BOCABELLI: Soaps, Laundry—Enos F Jones Chem Co
BOILERENE: Boiler Treatment—Dacar Chem Products Co
BONDERITE: Rustproofing Compounds—Parker Rust-Proof Co
BONDERLUBE: Drawing Compounds, Wire—Parker Rust-Proof Co
BONDRITE: Cements, Rubber—Union Bay State Chem Co
BONDWOOD: Glues, Casein—Franklin Glue Co
BOOKFLAT: Casings, Paste—Paisley Products
BORASCU: Herbicides—Pacific Coast Borax Co
BORASUDS: Detergents, Textile—Essential Chem Co
BORAX 5 MOL: Sodium Tetraborate, Pentahydrate—Pacific Coast Borax Co
BORDO: Fungicides, Garden—Miller Products Co
BORDUSTO: Fungicides, Garden—Miller Products Co
BOROCIDE: Insecticides, Garden—Miller Products Co
BOTTLE CLEAR: Cleaners, Bottle—Armstrong Chem Co
BOWAX: Wax Products—Boler Petroleum Co
BOWER BRAND: Products—Henry Bower Chem Mfg Co
BOXEAL: Glues, Case Sealing—Paisley Products
BOX-WELD: Adhesives—F K Findley Co
BRADDOCK: Clays, High Al2O3—United Clay Mines Corp
BRAKEONA: N Plates—Signode Steel Strapping Co
BRAMBLCIDE: Acid, Trichlorophenoxyacetic—Thompson Horticultural Chem Corp
BRAMTEX: Detergents—Bram Chem Co
BRAMTEX XX: Products—Bram Chem Co
BRAYCO: Products—U B Bray Co
BRAZO: Fluxes, Welding—Linde Air Products Co
BREAKIT: Treating Compounds, Oil—Humble Oil & Refining Co
BREECHLOCK: Valves, Gate—Lunkenheimer Co
BREVES: Finishes & Lacquers—Atlas Powder Co, Industrial Finishes Dept
BREVITEE: Products—Fuld Bros
BREVOLITE: Lacquers & Lacquer Enamels, etc—Atlas Powder Co, Industrial Finishes Dept
BREVON: Coatings, Strippable Plastic—Atlas Powder Co, Industrial Finishes Dept
BRIC-BOND: Cements, Acid-Proof—Ceilcote Co
BRICKETTES: Brick Veneer—Kraftile Co
BRIGHT NICKEL: Process, Nickel Plating—Hanson-Van Winkle-Munning Co
BRIJ: Emulsifiers—Atlas Powder Co
BRILLIANT TONING RED: Colors, Dry, Red—Sherwin-Williams Co
BRIMSTO: Cements, Acid-Proof—Electro Chem Engrg & Mfg Co
BRIMSTO: Cements, Acid-Proof—Electro Chem Supply & Engrg Co
BRIND: Preservatives, Food—Seydel Chem Co
BRINE-PRUF: Products—Wilbur & Williams Co
BRISOL: Dehairing Compounds—Hercules Powder Co
BRITE N NU: Polish, Metal—Nu-Steel Co
BRITELUME: Finishes, Aluminum—Maas & Waldstein Co
BRITONE RED: Colors, Dry, Lithol Red—Sherwin-Williams Co
BROMOFUME: Soil Fumigants, Ethylene Dibromide—Eston Chem
BROMOSOLV®: Alcohol, Tetrahydrofurfuryl—Givaudan-Delawanna
BRONCO: Lead Wires, Asbestos Insulated—Western Insulated Wire Co
BRONCO 60: Cables, Welding—Western Insulated Wire Co
BROWNFIN: Tubings, Finned—Brown Fintube Co
BRUNNER: Products—Brunner Mfg Co
BRUSCO DRI-SOPE: Soaps, Textile—Scholler Bros
BRUSHITE: Cleaners, Paint (Brush)—Chem Specialties Co
BUBI SUDS: Detergents—No-Name Products
BUCKEYE Brick, Refractory—North American Refractories Co
BUCKEYE: Soaps—Davies-Young Soap Co
BUCKINGHAM: Enamels, Synthetic—Timeproof Paint Products
BUCKINGHAM: Products—Buckingham Wax Co
BUELL: Products—Buell Engrg Co
BUELL VAN TONGEREU CYCLONES: Collectors, Dust—Buell Engrg Co
BUFEN 30: Phenylmercuric Acetate Solutions—Buckman Labs
BUFFALO: Amomnia (Household)—Robinson Bro Corp
BUFFALO: Pumps—Buffalo Pumps
BUFFALO PATCH: Mortars, High Temperature—Electro Refractories & Abrasives Corp
BUFLOKAST: Castings, Iron—Buflovak Equipment Div
BUFLOVAK: Equipment, Chemical Processing—Buflovak Equipment Div
BUFLOWELD: Fabricators, Stainless Steel—Buflovak Equipment Div
BUFMIL: Products—Republic Metals Co
BULLARD: Products—E D Bullard Co
BULLNECK: Grease Fittings, Hydraulic—Lincoln Engrg Co
BUNKER HILL: Zinc—Northwest Lead Co
BURAMINE: Butylurea, Technical—Sharples Chem
BUR-BAN: Oils, Cutting, Sulfurized—Humble Oil & Refining Co
BURGESS: Products—United Clay Mines Corp
BURKEM: Auxiliaries, Textile—Burkart-Schier Chem Co
BURK-SCHIER: Auxiliaries, Textile—Burkart-Schier Chem Co
BUSAN: Disinfectants, Industrial—Buckman Labs
BUTAC: Chemicals, Rubber—J M Huber Corp
BUTANOL: Alcohol, Butyl—Commercial Solvents Corp
BUTASAN: Accelerators, Rubber—Monsanto Chem Co, Organic Chem Div
BUTAZATE: Accelerators, Rubber—Naugatuck Chem Div
BUTROL: Disinfectants, Industrial—Buckman Labs
BUTTER COLOR: Products—Hansen's Chr Lab
BUTVAR: Polyvinyl Butyral—Shawinigan Resins Corp
BUTYL CHEMOSEPT: Preservatives—Chemo Puro Mfg Co
BUTYL TEGOSEPT: Butyl p-Hydroxy Benzoate—Goldschmidt Chem Corp
BUXINE®: a-Amyl Cinnamic Aldehyde—Givaudan Delawanna
BYGEX: Removers, Oil & Grease—Davies-Young Soap Co
BYSEPT: Soaps—Davies-Young Soap Co

C2: Sodium Chlorite for Paper Bleaching—Mathieson Chem Corp
C-5: Thread Compounds, High Temperature—Felt Products Mfg Co
C B: Products—Mich Chem Corp
C C SOLVENT CLEANER: Cleaners—Starr Mfg & Chem Co
CF&I: Rolled & Forged Steel Products—Colorado Fuel & Iron Corp
C M: Retardants, Flame—E I Du Pont de Nemours & Co, Grasselli Chem Dept
CMC: Sodium Carboxymethyl Cellulose—Hercules Powder Co
CPB: Accelerators, Rubber—Naugatuck Chem Div
CS 203: Solvents, Paint—Celanese Corp of America
CS 301: Solvents, Paint—Celanese Corp of America
CS 601: Solvents, Paint—Celanese Corp of America
CS 701: Solvents, Paint—Celanese Corp of America
CSW: Clays, Insecticidal Dusting—Georgia Kaolin Co
C & S: Soaps, Liquid—H V Smith & Co
CABINET-SAN: Deodorants—Huntington Labs
CABLE KING: Hoists, Electric—Yale & Towne Mfg Co
CACALOT: Alcohol, Higher Fatty—M Michel & Co
CADALYTE: Salts, Electroplating—E I Du Pont de Nemours & Co, Electrochem Dept
CADMOLITH: Cadmium Selenide—Chem & Pigment Co
CADUX H S: (Cadmium) Plating Process—Hanson-Van Winkle-Munning Co
CAKE-A-LITE: Cleaners—Armstrong Chem Co
CAL-A-SAL: Ammonium Chloride—Geo Callahan & Co
CALBIND: Products—Alabama Binder & Chem Corp
CALCENE: Products—Columbia-Southern Chem Corp
CALCIFORM: Acids, Hydrofluosilicic—Dehls & Stein
CALCOCHROME: Dyes, Mordant Acid—Calco Chem Div
CALCOCID: Dyes, Acid—Calco Chem Div
CALCODUR: Dyes, Direct—Calco Chem Div
CALCOFAST: Dyes, Acid—Calco Chem Div
CALCOFORM: Dyes, Direct—Calco Chem Div
CALCOGENE: Dyes, Sulfur—Calco Chem Div
CALCOLOID: Dyes, Vat—Calco Chem Div
CALCOMINE: Dyes, Direct—Calco Chem Div
CALCONYL: Dyes, Azoic—Calco Chem Div
CALCOPHEN: Dyes, Oil—Calco Chem Div
CALCOSOL: Dyes, Vat—Calco Chem Div
CALCOTEX: Pigments—Calco Chem Div
CALCOTONE: Pastes, Pigment—Calco Chem Div
CALCOZINE: Dyes, Basic—Calco Chem Div
CALLOMAG: Insecticides, Garden—Miller Products Co
CALMICRO: Calcium Carbonate—American Cyanamid Co, Industrial Chem Div
CALO-CLOR: Fungicides, Mercurial—Mallinckrodt Chem Wks
CALOGREEN: Fungicides, Mercurial—Mallinckrodt Chem Wks
CALSILITE: Products—Rubberoid Co
CALTEC: Calcium Carbonate—West Va Pulp & Paper Co
CALWHITE: Calcium Carbonate—Smith Chem & Color Co
CAL-WIC: Cloth, Wire, Industrial—Colorado Fuel & Iron Corp
CALWICO: Cloth, Hardware, Nettings, Wire, Other Wire Products—Colorado Fuel & Iron Corp
CALWICO-WISSCO: Cloth, Wire—Colorado Fuel & Iron Corp
CAMCO: Products—Camco Products
CAMELCARD: Calcium Carbonate—Harry T Campbell Sons
CAMELWITE: Calcium Carbonate—Harry T Campbell Sons
CAMOTEX: Finishes, Leather—Stahl Finish Co
CAMPOL: Oils, Tall—Cole & De Graf
CANAWAX: Wax, Carnauba—International Wax Refining Corp
CAPACILOG: Recorders, Temperature—Wheelco Instruments Co
CAPACITROLS: Controls, Temperature—Wheelco Instruments Co
CAPEM: Machinery, Capping—Consolidated Packing Machy Corp
CAPILATOR: Tubes, Capillary—Calumet & Hecla Consolidated Copper Co
CAPITOL: Buffs, Pieced and Wheels, Polishing—Hanson-Van Winkle-Munning Co
CAPITOL: Finishes, Textile—Textile Proofers
CAPROLIGUM: Preservatives—Rudd Paint & Varnish Co
CAPSTIX: Primers, Explosive—Atlas Powder Co
CAPSTONE: Salts, Nickel—Hanson-Van Winkle-Munning Co
CARBASOL: Resins, Maleic—C J Osborn Co
CARBITOL: Glycol-Ethers—Carbide & Carbon Chem Co
CARBO: Fungicides, Garden—Miller Products Co
CARBO-ATLASTASEAL: Linings, Hydrochloric Acid-Proof—Atlas Mineral Products Co
CARBOCERA: Wax, Carnauba, Substitute—Cornelius Products Co
CARBOCERA: Waxes, Synthetic—General Wax Refg Co
CARBOFRAX: Products—Carborundum Co
CARBO-KOREZ: Cements, Acid-Proof—Atlas Mineral Products Co
CARBOLINEUM: Preservatives, Wood—Carbolineum Wood Preserving Co
CARBOLITE: Eradicators, Soot—Ampion Corp
CARBOLON: Abrasives—Exolon Co
CARBON BRIMSTO: Cements, Sulfur—Electro Chem Engrg & Mfg Co
CARBON J: Pitch, Coal Tar—Wilson Carbon Co
CARBONEX: Hydrocarbon, Rubber Compounding—Barrett Div
CARBONOX: Drilling Muds, Oil-Well—Baroid Sales Div
CARBORA: Abrasives—Cortland Grinding Wheels Corp
CARBORIDE: Fluxes—Linick Chemical Co
CARBORUNDUM: Products—Carborundum Co
CARBOSE: Carboxmethylcellulose—Wyandotte Chem Corp
CARBOSEAL: Anti-Leak Compounds—Carbide & Carbon Chem Co
CARBOSOL: Removers, Carbon, Motor—Berry Asphalt Co
CARBO-VITROBOND: Cements, Sulfur—Atlas Mineral Products Co
CARBOWAX: Compounds—Carbide & Carbon Chem Co
CARBOXIDE: Fumigants—Carbide & Carbon Chem Co
CARCHEM BASES: Emulsifiers—Carlisle Chem Works
CARCLAD: Finishes, Acid-Resistant—Sherwin-Williams Co
CARNEGIE: Fertilizers—Carnegie Chem Mfg Co
CAROLIN: Oils, Thinning—Schaffer-Moss Chem Corp
CAROMIX-RUBBER: Road Surfacing Compounds—Berry Asphalt Co
CARPENTER: Stainless Steel Products—Carpenter Steel Co
CARPENTER DRUMS: Drums, Semi-Solid—Emery-Carpenter Container Co
CARRAGAR: Extracts, Carrageen—Krim-Ko Corp
CASCAMITE: Adhesives—Borden Co
CASCO: Adhesives—Borden Co
CASCO: Products—Carrier-Stephens Co
CASCOPHEN: Adhesives—Borden Co
CASCOREZ: Adhesives—Borden Co
CASHMERE BOUQUET: Soaps—Colgate-Palmolive-Peet Co
CASTERDAG: Graphite Colloidal—Acheson Colloids Corp
CASTOMATIC: Products—American Smelting & Refining Co
CASTOROL: Oil, Castor—Ottol Oil Co
CASTROLITES: Oil, Sulfonated Castor—Royce Chem Co
CASTUNG: Products—Baker Castor Oil Co
CATALIN: Products—Catalin Corp of America
CATEXER-ANEXER: Equipment, Demineralizing—Infilco Inc
CATIOSAN: Products—Onyx Oil & Chem Co
CAT'S EYE: Indicators, Furnace—Ess Instrument Co
CAUSUL: Valves, Gate—Lunkenheimer Co
CAVALITE: Cloth, Waterproof & Heat-Resistant—E I Du Pont de Nemours & Co
CEDAR HOLLOW: Lime (Hydrated)—Warner Co
CEILCOTE: Cements, Acid, Alkali & Solvent-Proof—Ceilcote Co
CEIL-POR: Varnishes, Corrosion-Proof—Ceilcote Co
CELECTRAY: Potentiometers, Pyrometer—Weston Electrical Instrument Corp
CELITE: Filter Aids—Goetze Gasket & Packing Co
CELITE: Fillers, Mineral—Johns-Manville
CELLINEROL: Dyes, Acetate—General Dyestuff Corp
CELLIRON: Dyes, Acetate—General Dyestuff Corp
CELLIT: Dyes, Acetate—General Dyestuff Corp
CELLITAZOL: Dyes, Acetate—General Dyestuff Corp
CELLO-BOND: Cements, Transparent—Paisley Products
CELLOLYN: Resins—Hercules Powder Co
CELLOMENT: Cements, Nitrocellulose—Hughes Glue Co
CELLOPRET: Finishes, Textile—General Dyestuff Corp
CELLOSIZE: Hydroxethyl Cellulose—Carbide & Carbon Chem Co
CELLOSOLVE: Glycol Ethers—Carbide & Carbon Chem Co
CELLOXAN: Finishes, Textile—General Dyestuff Corp
CELLUCIDE: Pentachlorophenol—Thompson Horticultural Chem Co
CELLUFLEX: Plasticizers, Lacquer—Celanese Corp of America
CELLULO: Products—Cellulo Co
CEL-O-GLASS: Wire, Mesh—E I Du Pont de Nemours & Co
CELSOR: Finishes, Japan—Excelsior Varnish Works
CENTLAB: Boiler Feed Water Treatment—Central Lab
CENCO: Products—Central Scientific Co
CENTRAL-AIR: Equipment, Air Conditioning—Baker Refrigeration Corp

CENTRAL STAR: Meal, Soya Bean Protein—Central Soya Co
CENTRAL STAR: Oil & Meal, Soybean—McMillan Feed Mills of Tenn
CENTRICONE: Centrifuges—Precision Scientific Co
CENTRI-MERGE: Collectors, Dust—Schmieg Industries
CENTROL: Products—Central Soya Co
CENTRO-MATIC: Systems, Lubricating—Central-Lincoln Engrg Co
CERALAN: Alcohol, Lanolin (Solid)—Robinson-Wagner Co
CERAMICWELD: Pipes, Sewer—Pacific Clay Products
CERAMID: Wax, Synthetic—Glyco Products Co
CERANINE HC: Softeners, Textile—Sandoz Chem Works
CERANOVA: Wax, Carnauba, Substitute—Avon Trading Co
CERATILE: Clay, Tile, Decorative—Cambridge Tile Mfg Co
CERAX: Wax, Subsititute—Cornelius Products Co
CERAX: Wax, Carnauba, Substitute—General Wax Refg Co
CEREFLUX PLASTICIZER: Dispersing Agents, Cement-Ceresit Waterproofing Corp
CERELENE: Waxes—Stevenson Bros & Co
CEREPEL: Paints, Cement—Ceresit Waterproofing Corp
CEREPHALT: Emulsions, Asphalt—Ceresit Waterproofing Corp
CERES: Pigments—General Dyestuff Corp
CERESAN: Disinfectants, Seed—E I Du Pont de Nemours & Co, Grasselli Chem Dept
CERESIT FOUNDATION COATING: Coatings, Asphalt—Ceresit Waterproofing Corp
CEREX: Thermoplastic, Heat-Resistant—Monsanto Chem Co, Plastics Div
CERITA: Wax Products—Mamaroneck Chem Corp
CERITA WAXES: Products—M Argueso & Co
CERIUM STANDARD ALLOY: Cerum (Metal)—Cerium Metals Corp
CEROFAST: Compounds, Glass Polish—Chem Specialties
CEROFLEX: Waxes, Synthetic—Cornelius Products Co
CEROL T #125: Water Repellents, Textile—Sandoz Chem Works
CEROL TGI: Mildew Preventatives, Textile—Sandoz Chem Works
CEROPLEX: Waxes, Synthetic—General Wax Refg Co
CEROX: Cerium Oxide—Lindsay Light & Chem Co
CERTIFIED: Shellac—Bradshaw-Praeger & Co
CERTILAC: Products—Bradshaw-Praeger & Co
CESCO: Hoists, Skip—Colson Equipment & Supply Co
CETAL: Alcohol, Cetyl—Robinson-Wagner Co
CHALLENGE: Pumice Stone, Italian—Whittaker, Clark & Daniels
CHALLENGER: Extinguishers, Fire—American LaFrance Foamite Corp
CHAMPION: Anti-Freeze, Alcoohol—Dagmar Chem Co
CHAMPION BRAND: Sodium Nitrate—Chilean Nitrate Sales Corp
CHARG-A-CAN: Products—Easton Chem
CHARLOTTE: Products—Chemicolloid Labs
CHASE-AIR: Deodarants—Old Empire Mfg Chemists
CHAT: Surfactants—General Dyestuff Corp
CHEESE COLOR: Annatto—Hansen's Chr Lab
CHEF'S FAVORITE: Charcoal—Crossett Chem Co
CHELS: Agents, Complexing—Alrose Chem Co
CHEMALLOY: Products, Corrosion-Resistant — American Brake Shoe Co
CHEM-BOND: Cleaners, Metal—Bell-Ray Chem Corp
CHEM-DRI: Waterproofing, Textile—Tex-Chem Co
CHEMECOL: Machines, Coal Breaking—E I Du Pont de Nemours & Co
CHEMELEC—Teflon Products—US Gasket Co
CHEM-HEX: Benezene Hexachloride—Chemical Insecticide Corp
CHEMICO: Products—Miller Products Co
CHEMIGUM LATEX 101: Paint Bases, Resin Emulsion—Goodyear Tire & Rubber Co
CHEMIGUM LATICES: Coating Compounds—Goodyear Tire & Rubber Co
CHEM-I-KEG: Containers, Metal-Heintz Mfg Co
CHEMISEAL: Products—Chemiseal Co
CHEMISEAL: Teflon Products—U S Gasket Co
CHEM-O-FEEDER: Products—Proportioneers Inc
CHEMOLUBE H: Fluid, Hydraulic—Chemsol Inc
CHEMOSOL: Preservatives—Chemo Puro Mfg Corp
CHEM-PAX: Packings, Chemical-Resistant—I N Breetwor & Associates
CHEM-PENTA: Weed Killers—Chemical Insecticide Corp
CHEMPRO: Resins, Polystyrene—Chem Processes Co
CHEMPRUF & CHIPRUF FACESHIELDS: Products—Mine Safety Appliance Co
CHEMSALT 105: Pickling Agents—Chemsol Inc
CHEM-SEN: Sodium Arsenite—Chemical Insectide Corp
CHEM-WEED: Weed Killers—Chemical Insectide Corp
CHEVRON: Packings, Automatic—Garlock Packing Co
CHICAGO: Products—Chicago Pump Co
CHICAGO: Stokers, Automatic Spreader—Read Standard Corp
CHICAGO STAINLESS: Tanks, Storage—Chicago Stainless Equipment Co
CHILLATORS: Unit Coolers—McQuay Inc
CHILL-VACTOR: Equipment, Refrigerating—Croll Reynolds Co
CHINOOK: Products—Manufacturers Min Co
CHLORASOL: Fumigants—Carbide & Carbon Chem Co
CHLORAX: Herbicides—Chipman Chem Co
CHLORDEET: Insecticides, Garden—Miller Products Co
CHLORDUSTO: Insecticides, Garden—Miller Products Co
CHLORHYDROL: Products—Reheis Co
CHLORICICLE: Disinfectants—Riesen Chem Corp
CHLORICIDE: Disinfectants—Riesen Chem Corp
CHLOR-O-FEEDER: Products—Proportioneers Inc
CHLOR-O-MITE: Products—Proportioneers Inc
CHLOROSPRA: Insectides, Garden—Miller Products Co
CHLOROWAX (R): Products—Diamond Alkali Co
CHRISTIAN BECKER: Balances, Analytical—Christian Becker
CHRISTIE: Dryers, Rotary—Gen American Transportation Corp
CHROMEL-ALUMEL: Wire, Thermocouple—Hoskins Mfg Co
CHROMEND: Electrodes, Stainless—Arcoa Corp
CHROMINDIGEN: Dyes, Chrome—General Dyestuff Corp
CHROMOGENE: Dyes, Chrome—General Dyestuff Corp
CHROMOXANE: Dyes, Chrome—General Dyestuff Corp
CHRONOTHERM: Controls, Temperature—Minneapolis-Honeywell Regulator Co
CHRONOTROLS: Controls, Time Cycle—Wheelco Instruments Co
CIBANITE: Resins, Synthetic—Ciba Co
CICOIL: Oil, Oiticica—Brazil Oiticica
CINO: Valves, Gate—D T Williams Valve Co
(CIRCLE-L): Products—Lebanon Steel Foundry
CITROSYNTH: Products—Florasynth Labs
CITRUS: Oils, Vegetable—Hutchman Co
CIVETTONE: Perfumes—Firmenich & Co
CLARASE: Diastase—Takamine Lab
CLARIFIED: Potash, Liquid Caustic—Innes, Spelden & Co
CLARK FLUID CONTROLS: Products—Clark Mfg Co
CLAYTON: Products-Clayton Mfg Co
CLAYTON KERRICK: Cleaners, Steam—Clayton Mfg Co
CLEAN-ALL: Cleaners—Solvit Chem Co
CLEANITE: Cleaners, Dry—Chem Specialties Co
CLEANSOLFURS: Scouring Agents, Fur Dressing—Siegel Chem Co
CLEAN WITH BREEN: Products—Frank J Breen
CLEAR GLASS: Detergents—Riesen Chem Corp
CLEARTECK: Oil, White Mineral—Pennsylvania Refining Co
CLEVELAND: Reducers, Speed—Cleveland Worm & Gear Co
CLIFFCHAR: Charcoal—Cliffs Dow Chem Co
CLIMATE CHANGER: Equipment, Air Conditioning—Trane Co
CLINCO: Products—Clinton Foods
CLINTOLA: Products—Clinton Foods
CLINTON: Products—Clinton Foods
CLINTON: Products—Clinton Metallic Paint Co
CLINTON: Wire Products—Colorado Fuel & Iron Corp
CLINTOSE: Products—Clinton Foods
CLIPPER: Buffs—Hanson-Van Winkle-Munning Co
CLIPPER CLEANER (R): Products—Diamond Alkali Co
CLORAFIN: Paraffin, Chlorinated—Hercules Powder Co
CLO-MEAL: Vitamin Concentrates—Whitmoyer Labs
CLONCOR: Products—Clinton Foods
CLOR: Sodium Hypochlorite—Pennsylvania Salt Mfg Co
CLORANGE: Products—Florasynth Labs
CLOROBEN: Products—Cloroben Corp
COALITE: Permissible Explosives—Atlas Powder Co
COATINGAGE: Gauges, Coating Thickness—Branson Instruments Inc
COBALT: Lenses, Welding—American Optical Co
COBURN: Door Hardware, Conveyor Hardware, Conveyor Systems, Trolleys and Track—Colorado Fuel & Iron Corp
COCHRANE: Products—Cochrane Corp
CODE-O-MATIC: Products—N J Mach Corp
CODOK: Oil, Sulfonated Cod—Ottol Oil Co
CODOL: Oil, Cod—Ottol Oil Co
CODUR: Enamels, Baking—Maas & Waldstein Co
COLDMIX: Mixers—Sprout Waldron & Co
COLD-POO: Shellac, Bleached—Acme Shellac Products Co
COLGATE: Soap—Colgate-Palmolive-Peet Co
COLLARGOL: Silver Colloidal—Heyden Chem Corp
COLLATONE: p-Chloro-m-Cresol—Lehn & Fink Products Corp
COLLETT & COLWEN: Vitamin Concentrates—Collett-Week-Nibecker
COLLORESINE: Sizes, Textile—General Dyestuff Corp
COLMONOY: Alloys, Hard Facing—Wall-Colmonoy Corp
COLMONOY SPRAYWELDER: Powder Metallizing Unit—Wall-Colmonoy Corp
COLOR BLEN: Colors, Paste—Yarnall Paint Co
COLOR CONDITIONING: Finishes—E I Du Pont de Nemours & Co, Fabrics & Finishes Dept.
COLORADO: Wire Products—Colorado Fuel & Iron Corp
COLOREX: Strippers, Textile—Stauffer Chem Co
COLUMBIA: Carbon, Activated—Carbide & Carbon Chem Co
COLUMBIA: Cleaners, Floor—Columbia Wax Co
COLUMBIA: Products—Columbia-Southern Chem Corp
COMAFLEX: Lacquers, Cellulose Base—Coating Materials Labs
COMALAC: Lacquers, Cellulose Base—Coating Materials Labs
COMAVAR: Varnishes—Coating Materials Labs
COMBS (SIFTERS): Products—Great Western Mfg Co
COMCOTERG: Detergents—Commonwealth Color & Chem Co
COMFO & DUSTEDE RESPIRATORS: Products—Mine Safety Appliance Co
COMMON SENSE: Discs, Filters—Filter Paper Co
COMP: Cleaners—Fuld Bros
COMPACUNITS: Pumps, Close Coupled—Warren Steam Pump Co
COMPEB: Mills, Grinding—Allis-Chalmers Mfg Co
COMPO: Products—Compo Chem Co
COMPO-BOND: Cements, Acid-Proof—Ceilcote Co
COMPOUND ROSCO: Fireproofing Compounds, Fabric—Rosco Labs
CONCAVEX: Grinding Media—Allis-Chalmers Mfg Co
CONCO FINISH: Specialties, Textile—Continental Chem Co
CONCO L-203: Leveling Agents, Textile—Continental Chem Co
CONCO SULPHATES: Detergents, Synthetic—Continental Chem Co
CONCO WEIGHTER: Weighing Compounds, Textile—Continental Chem Co
CONCOGEL: Detergents, Synthetic—Continental Chem Co
CONCOSET: Resins, Urea Formaldehyde—Continental Chem Co
CONCOSIZE: Resins, Vinyl—Continental Chem Co
CONDENSATE: Detergents, Synthetic—Continental Chem Co
CONDIT: Electrical Products—Allis-Chalmers Mfg Co
CONDOR: Products—Raybestos-Manhattan
CONDO-VAC: Pumps, Vacuum—Chicago Pump Co
CONDUCTOPLAST: Cements, Electrical Conducting—Atlas Mineral Products Co
CONDULOY: Products—Brush Beryllium Co
CONE: Products—Chapman Valve Mfg Co
CONFETS: Penicillin—Schenley Labs
CONJUSOY: Products—Woburn Chem Corp
CONKEY: Products—General American Transportation Corp
CONSERVO: Beltings, Power Transmission—Hewitt Robins
CONSET: Jigs, Ore—Allis-Chalmers Mfg Co
CONSOLIDATED: Products—Manning, Maxwell & Moore
CONSTAMETRIC: Pumps, Constant Flow—Milton Roy Co
CON-TAC-TOR: Switches, Mercury—Minneapolis-Honeywell Regulator Co, Micro Switch Div
CONTINENTAL: Carbon Black—Witco Chem Co
CONTINEX: Carbon Black—Witco Chem Co
CONTINUOUS-FLO: Barrels, Blast Cleaning—Pangborn Corp
CONTRATONE: Developers, Photographic—Mallinckrodt Chem Wks
CONVERTASE: Enzymes, Diastatic—Schwarz Labs
CONVEYOFLO: Scales, Conveyor—Builders Providence
COOK: Products—C Lee Cook Mfg Co
COOL GRINDING: Lubricants, Grinding—DoAll Co
COOLER-PROOF: Glues, Label—Paisley Products
COOPERSOTE: Oil, Creosote—Coopers Creek Chem Corp
COPAL: Products—Maas & Waldstein Co
COPAPEL: Mildew Preventives, Textile—General Dyestuff Corp
COP-O-ZINK: Fungicides, Copper—Tennessee Corp
COPPER HYDRO: Fungicides—Chipman Chem Co
COPPER HYDROBORDO: Fungicides—Chipman Chem Co
COPPER KING: Beltings, Power Transmission—Pioneer Rubber Mills
COPPRALYTE: Plating Products—E I Du Pont de Nemours & Co, Electrochem Dept
CORDACIDE: Insecticides, Household—Bickford Research Labs
CORDUROY: Cloth, Filter— W S Tyler Co
CORIAL: Finishes, Leather—General Dyestuff Corp
CORIKAL: Wetting Agents—General Dyestuff Corp
CORLEY-MILLER: Machines, Wrapping—Miller Wrapping & Sealing Mach Co
CORO-NIEL: Products—Nielco Chem
CORIPOL: Oil, Neatsfoot—General Dyestuff Corp
CORNELOWAX: Wax, Carnauba, Substitute—Cornelius Products Co
CORNELOWAX: Waxes, Synthetic—General Wax Refg Co
CORONA: Products—Pittsburgh Plate Glass Co
CORPOLIN: Humectants—Heyden Chem Corp
COR-R-TOX: Products—Mobile Paint Mfg Co
CORRUFLEX: Joints, Expansion—American District Steam Co
CORSON'S LIMESTONE: Calcium Carbonate—G & W H Corson
CORTEX: Abrasives—Cortland Grinding Wheels Corp
CORTLAND: Abrasives—Cortland Grinding Wheels Corp
CORUMBU WAX: Wax, Carnauba, Substitute—T G Cooper & Co
COSMIC: Pigments, Black Bone—American Agricultural Chem Co
COSMOL: Oils, Hydrogenated—Archer-Daniels-Midland Co
COSMOLEATHER: Dyes, Leather—General Dyestuff Corp
COSOL: Solvents, Aromatic—Neville Co
COTONEROL: Dyes, Direct—General Dyestuff Corp
COTOPACK: Cooling Towers, Spray—J F Pritchard & Co
COTOSPRAY: Nozzles, Spray—J F Pritchard & Co
COTTRELL: Precipitators, Electric—Western Precipitation Corp
COUNTRY GARDENS: Bases, Perfume—Philip Chaleyer
COVERALL: Deodorants, Textile—General Dyestuff Corp
CRACKPROOF: Hose, Fire—Pioneer Rubber Mills

CRAG: Fungicides—Carbide & Carbon Chem Co
CRAMODORS: Products—Naugatuck Aromatics
CRATER: Sulfur, Agricultural—Miller Products Co
CREARSEN: Disinfectants—Thompson-Hayward Chem Co
CREME GLOSS: Polishes, Furniture—Uncle Sam Chem Co
CREMOGENE: Bases, Absorption—R F Revson Co
CREOLITE: Detergents, Textile—Perkins Soap Co
CRESCENT: Brick, Refractory—North American Refractories Co
CRESCENT: Valves, Solenoid Operated—Barksdale Valves Co
CRESOLAC: Waterproofing Agents, Colorless — Cresit Waterproofing Corp
CROLOY: Tubings & Pipes—Babcock & Wilcox Tube Co
CROMALOY: Fluxes, Welding—Linde Air Products Co
CROWN: Salts, Galvanizing—Hanson-Van Winkle-Munning Co
CROWNOIL: Products—Crownoil Chem Co
CRUCIBLE: Alloys, Stainless Steel—Crucible Steel Co of America
CRUISER: Lubricants—Pennsylvania Refining Co
CRYSTO: Insecticides, Garden—Miller Products Co
CRYSALBA: Calcium Sulfate—Monsanto Chem Co, Phosphate Div
CRYSTAL: Oils, Castor—Baker Castor Oil Co
CRYSTAL FLOW: Products—Michigan Chem Corp
CRYSTAL TIPS: Equipment, Ice Making, Automatic—McQuay Inc
CRYSTAL WHITE: Soaps—Colgate-Palmolive-Peet Co
CRYSTAMET: Pentahydrate Sodium m-Silicate—Cowles Chem Co
CRYSTEX: Sulphur, Insoluble—Stauffer Chem Co
CRYSTOLON: Abrasives—Norton Co
CUBOND: Copper—Glidden Co
CUBOR DUSTS: Rotenone—Chipman Chem Co
CUMAR: Resins—Barrett Div
CUNILATE: Fungicides, Copper—Scientific Oil Compounding Co
CUNO: Products—Cuno Engrg Corp
CUPOLINE: Refractories—Eastern Clay Products
CUPRA: Preservatives, Wood—Miller Products Co
CUPRINOL: Preservatives, Wood—Cuprinol Div
CUPRO K: Fungicides, Garden—Rohm & Haas Co
CUPROCIDE: Fungicides, Garden—Rohm & Haas Co
CUPROFIX: Assistants, Mercerizing—Sandoz Chem Works
CUPROTELA: Mildew Preventives, Textile—Prior Chem Corp

CURADA: Activators, Rubber—C P Hall Co
CURTIS: Valves, Regulating and Strainer—Kaye & MacDonald

CURVACORE: Transformers—Allis-Chalmers Mfg Co
CUSTOMIX: Mixers—Sprout Waldron & Co
CUTLER'S: Socium Chloride—Cutler-Magner Co
CUTRILIN: Bating Preparations, Leather—American Cyanamid Co, Industrial Chem Div

CYACOR: Resins, Sand Core—American Cyanamid Co
CYANEGG: Sodium Cyanide—E I Du Pont de Nemours & Co, Electrochem Dept

CY-AN-IN: Indium Products—Indium Corp of America
CYANOBRITE: Mercury Salt—E I Du Pont de Nemours & Co, Electrochem Dept

CYANOFLAKE: Sodium Cyanide—E I Du Pont de Nemours & Co, Electrochem Dept

CYANOGAS: Calcium Cyanide—American Cyanamid Co
CYANOGRAM: Sodium Cyanide—E I Du Pont de Nemours & Co, Electrochem Dept

CYANTHROL: Dyes, Acid—General Dyestuff Corp
CYCIOPON: Detergents, Textile—General Dyestuff Corp
CYCLATOR: Clarifiers, Sewage and Industrial Waste—Infilco Inc

CYCLOCEL: Bauxites, Cycloversion Catalyst—Attapulgus Clay Co

CYCLONOX: Abrasives, Polishing—Whittaker, Clark & Daniels
CYCLOSIA BASE: Hydroxycitronellal—Firmenich & Co
CYCOPOL: Resins, Surface Coating—American Cyanamid Co

CYDER: Dyes, Basic—General Dyestuff Corp
CYKELIN: Products—Spencer Kellogg & Sons
CYKELSOY: Products—Spencer Kellogg & Sons
CYPROPHENYL: Dyes, Direct—Geigy Co

DB: Oils, Dielectric—Baker Castor Oil Co
DB: Whitings—Hammill & Gillespie
DBA: Activators—Nagatuck Chem Div
D-C: Products—Damon Chem Co
DD-2: Centrifuges, Disc—Sharples Corp
DDT-32: DDT—Thompson Horticultural Chem Co
D-FLOX: Detergents, Household—Essential Chem Co
DG-2 AUTOJECTOR: Centrifuges, Disc, Automatic—Sharples Corp

DH-2 NOZLJECTOR: Centrifuges, Disc, Continuous—Sharples Corp

D H S ACTIVATOR: Insecticides—Hercules Powder Co
D I O P: Plasticizers—Ohio-Apex
DK: Fuller's Earth—L A Salomon & Bro
DMP: Phenol, Aminomethyl, Substituted—Rohm & Haas Co

DMS-4AQA4: Dehumidifiers—Abbeon Supply Co
DP 520: Plasticizers—E F Drew & Co
DP SOLUTION: Inhibitors, Corrosion—Merrimac Div, Monsanto Chem Co

DPR: Natural Rubber, Depolymerized—H V Hardman Co

DV-2: Centrifuges, Disc—Sharples Corp
DA-BRITE: Products—Damon Chem Co
DACARENE: Boiler Treatment—Dacar Chem Products Co
DACO: Products—Damon Chem Co
DACOLYTE: Addition Agents—E I Du Pont de Nemours & Co, Electrochem Dept

DAG: Products—Acheson Colloids Corp
DAG-LAC: Finishes, Bake—Dagmar Chem Co
DAHL: Seals, Mechanical—Hammel-Dahl Co
DAINTEX: Detergents—Hercules Powder Co
DAIRY FLY-FOIL: Insecticides Farm—An-Fo Mfg Co
DAIRYCO: Casein, Argentine—American Cyanamid Co, Industrial Chem Div

DAIRY-DU: Cleaners—An-Fo Mfg Co
DAIRYWHITE: Castings, Nickel Alloy—Arthur Harris & Co

DAKEM: Mothproofing Agents—Davison Chem Corp
DANDEE: Buffing Compositions—Hanson-Van Winkle-Munning Co

DAN-DEE: Products—Twin City Shellac Co
DARCO: Carbon, Activated—Darco Dept, Atlas Powder Co

DAREX: Emulsions, Polyvinyl Acetate—Dewey & Almy Chem Co

DARILOID: Sodium Alginate—Kelco Co
DARSIL: Oxidizing Agents—E I Du Pont de Nemours & Co, Electrochem Dept
DARVAN: Dispersing Agents—R T Vanderbilt Co

DAVCO: Fertilizers—Davison Chem Corp
DAXAD: Dispersing Agents—Dewey & Almy Chem Co
DAY: Dust Systems, Control—Day Co
DAY-GLO: Products—Switzer Bros
DEARBORN RED: Colors, Dry, Red—Sherwin-Williams Co

DECALIN: Decahydronaphthaline—E I Du Pont de Nemours & Co, Organic Chem Dept

DECAZNOT: Preservatives, Wood—Coopers Creek Chem Co

DECETEX: Repellents, Water, Textile—Dow Corning Corp
DEC-O-VAR: Products—Grand Rapids Varnish Corp
DECROLINE: Strippers, Textile—General Dyestuff Corp
DED: Fluids, Cleaning—Harsyd Chem
DED-TOX: DDT—Thompson-Hayward Chem Co
DED-WEED®: Acid, 2, 4-Dichlorophenoxyacetic—Thompson-Hayward Chem Co

DEENATE: Insecticide Bases (Synthetic)—E I Du Pont de Nemours & Co, Grasselli Chem Dept

DEEP ROCK: Lubricants—Deep Rock Oil Corp
DEEP ROCK PRIZE: Greases, Lubricating—Deep Rock Oil Corp

DEFIANCE: Goggles, Non-Fog—Goggle Parts Co
DEHYDRATOR: H_2O Vapor Removal from Air and Gas (Atmospheric Dryers)—Selas Corp of America

DEHYDROL: Oils, Castor, Dehydrated—Sherwin-Williams Co

DEKOL: Leveling Agents, Textile—General Dyestuff Corp
DELACTOL: Vitamin D—Douglas Chem Corp
DELANIUM: Carbon (Rods, Blocks, Paste, etc)—British American Carbon Corp
DELANIUM: Graphite, High Intensity—British-American Carbon Corp

DELFANINE: Sequestering Agents—Delft Co
DELSTEROL: Vitamin D_3—E I Du Pont de Nemours & Co, Organic Chem Dept

DELTA: Calcium—Commercial Chem Co
DELTAXIN: Vitamin D_2—Sterwin Chem
DELVANOL BX: Detergents—Dexter Chem Corp
DEMING: Pumps, Vertical Centrifugal—Deming Co
DEMSEAL: Cements, Asphalt—Electro Chem Supply & Engrg Co

DENIOR: Lubricators, Automatic—Lunkenheimer Co
DENSTONE: Stoneware—U S Stoneware Co
DEOXIDINE: Cleaners—American Chem Paint Co
DEPELIN XC: Unhairing Agents—American Cyanamid Co, Industrial Chem Div

DEPENTA: Preservatives, Wood—Miller Products Co
DEPRYO: Insecticides, Garden—Miller Products Co
DEREKA: Paints for Rusted Metal Surfaces—Debevoise Co

DER-MA-PLY: Skin Protecting Compounds—Nielco Chem
DERMINOL: Wetting Agents—General Dyestuff Corp
DERRIS 400: Insecticides, Garden—Miller Products Co
DERRIS 500: Insecticides, Garden—Miller Products Co
DERRISUL: Rotenone—Thompson-Hayward Chem Co
DE-SOLV-AL: Degreasing Compounds—A J Stull & Co
DE-SOL-VIT: Washing Compounds, Metal—A J Stull & Co

D'ESTE: Valves, Regulating and Strainer—Kay & MacDonald

DETANOL: Penetrants, Textile—Commonwealth Color & Chem Co

DETECT-A-FIRE: Detectors, Fire—Fenwal Inc
DETERGENT M: Detergents, Synthetic—Mellin Chem
DETERGENT T-12: Detergents, Synthetic—Victor Chem Works

DETERSOL: Detergents, Textile—Standard Chem Products

DETREX: Degreasers—Detrex Corp
DEVEX: DDT—Westvaco Chem Div
DE-VITAMINIZED: Casein—Sheffield Farms Co, Chemurgic Div

DEVOLKOD: Oils, Cod Liver (Fortified)—Chas L Huisking & Co

DEW POINTER: Measuring Instruments, Dew Point—Illinois Testing Lab

DEWAXIT: Degreasing Compounds—Onyx Oil & Chem Co
DEWAXO: Cleaners—Fuld Bros
DEXAR: Adhesives—Industrial Chem Specialties Co
DIAFLOTE: Products—Hammond Iron Works
DIALIFT: Products—Hammond Iron Works
DIAMINOGEN: Dyes, Direct—General Dyestuff Corp
DIAMOND: Chains—Diamond Chain Co
DIAMOND: Dyes—General Dyestuff Corp

DIAMOND I: Potash, Caustic—Innes, Speiden & Co
DIAMONTINE: Polish, Metal—Linick Chem Co
DIANIL: Dyes, Direct—General Dyestuff Corp
DIAPHLEX: Bellows—Cook Elec Co
DI-AQUA: Products—Diamond Alkali Co
DIASTAFOR: Desizing Agents—Standard Brands
DIATOL: Solvents, Nitrocellulose—U S Industrial Chem
DIATOMITE: Filters, Pressure—Enzinger Union Corp
DIATRON: Detectors, Leak—Consolidated Engr Corp
DIAZANIL: Dyes, Direct—General Dyestuff Corp
DIAZOPHENYL: Dyes, Direct—Geigy Co
DIAZOPON: Dispersing Agents, Textile—General Dyestuff Corp
DIBENZO GMF: Accelerators, Rubber—Naugatuck Chem Div
DIBROMANTIN: 1, 3-Dibromo-5, 5-Dimethylhydantoin—Arapahoe Chem
DIC A DOO: Cleaners, Paint—Cole & De Graf
DICALITE: Products—Great Lakes Carbon Corp
DICALITE 4200: Filter Aids—Great Lakes Carbon Corp
DICOL: Diglycols, Mixed—Wyandotte Chem Corp
DIDYMIUM: Lenses, Welding—American Optical Co
DIE GARD: Products—Reilly-Whiteman-Walton Co
DIEFORM: Fittings—Bailey Meter Co
DIEHL: Fans—Diehl Mfg Co
DIERMOTROL: Controls, Temperature—Sterling Inc
DIHYDRO-VANILLOIN: Products—Florasynth Labs
DILEINE: Antifumes—Jacques Wolf & Co
DIMUL: Refractories—Electro Refractories & Abrasives Corp
DIPAFILM: Lubricants, Rubber—Essential Chem Co
DIPENSOL: Solvents—Hercules Powder Co
DIPENTEK: Dipentaerythritol, technical—Heyden Chem Corp
DIPENTENE 122: Solvents—Hercules Powder Co
DIPHENY: Dyes, Cotton—Geigy Co
DIP-PAK: Coatings, Hot Melt—Fidelity Chem Products Chem
DIPWRAP: Ethyl Cellulose Compounds—Paisley Products
DISC PAK: Filters—Alsop Engrg Corp
DISCOLITE: Sodium Sulfoxylate—Royce Chem Co
DISH-A-DU: Detergents, Household—An-Fo Mfg Co
DISPERSALL: Dispersing Agents, Textile—Royce Chem Co
DISPERSATOR: Machinery, Dispersion—Premier Mill Corp
DISPERSITE: Dispersions, Synthetic Resins—Naugatuck Chem Div
DISPER-SOL: Detergents—Thompson-Hayward Chem Co
DITHANE: Fungicides, Organic Plant (Synthetic)—Rohm & Haas Co
DIVERSEY: Products—Diversey Corp
DIXI PINE: Disinfectants—Gerson Stewart Corp
DIXIE: Carbon Black—United Carbon Co
DIXIE: Products—Pennsylvania Crusher Co
DIXIE BOND: Clays, Foundry—Eastern Clay Products
DIXIE NUVOFECTO: Carbon Black—United Carbon Co
DIXIE VOLTEX: Carbon Black—United Carbon Co
DIXIEDENSED: Carbon Black—United Carbon Co
DIXO: Soaps, Dry-Cleaning—Dixo Co

DOMINION: Anti-Rusting Compounds—Dominion Products
DORMO: Insecticides, Garden—Miller Products Co
DORRCO: Equipment, Wet Processing—Dorr Co
DORRCO: Products—Oliver United Filters
DOUBLE-FLORO: Towers, Cooling—Marley Co
DOUBLE-FLOW: Towers, Cooling Spray—Marley Co
DOUBLETON: Pumps, Multi-Stage—Allis-Chalmers Mfg Co

DOUGLAS: Dextrin—Penick & Ford
DOUGLAS PLASENE: Plasticizers—Penick & Ford
DOVER: Brick, Refractory—North American Refractories Co

DOWANOL: Ethers, Glycol—Dow Chem Co
DOWCLENE: Solvents, Dry Cleaning—Dow Chem Co
DOWFLAKE: Calcium Chloride—Dow Chem Co
DOWFUME: Fumigants—Dow Chem Co
DOWICIDE: Fungicides—Dow Chem Co
DOWMETAL: Alloys, Magnesium—Dow Chem Co
DOW-PER: Solvents, Dry Cleaning—Dow Chem Co
DOWTHERM: Heat Transfer Media—Dow Chem Co
DOYLE OPEN GLOW: Dryers—J E Doyle Co
DOYLE VACUUM SHEET CLEANER: Cleaners, Vacuum—J E Doyle Co

D'PART: Products—Fuld Bros
DRAIN-DRI: Pumps, Sump—Yeomans Bros Co
DRAKEOL: Oils, White Mineral—Pennsylvania Refining Co
DRAVER: Feeders—B F Gump Co
DRAWCLEAN: Wire Compounds, Drawing—Phoenix Oil Co

DRAWCOOL: Stamping Compounds, Metal—Phoenix Oil Co

DRAW-EX: Drawing Compounds—Penola Oil Co
DRESINATE: Soaps, Rosin—Hercules Powder Co
DRESINOL: Emulsions, Resin—Hercules Powder Co
DRESSER: Products—Dresser Industries
DRI-COL: Vitamin D_3—Whitmoyer Labs
DRICOOLER: Exchangers, Heat—Marley Co
DRIERITE: Calcium Sulfate, Anhydrous—W A Hammond Drierite Co

DRIM-KO TENDERGEL: Extracts, Carrageen—Krim-Ko Corp

DRIOCEL: Bauxites, Desiccant—Attapulgus Clay Co
DRISOY: Products—Spencer Kellogg & Sons
DRI-TRI: Sodium Phosphate, Tri-Sodium—Maas Chem Co
DRIZIT: Dryers, Gas—Kerotest Mfg Co
DRIZONE: Fuller's Earth—Attapulgus Clay Co
DRUCAL: Fatty Esters, Sulfonated Synthetic—E F Drew & Co

DRUMMOND SOAP: Soaps—Standard Soap Co of Camden
DRUMTITE: Binders, Metallic—Multi Metal Wire Cloth Co
DRYALL: Driers—Industrial Lining Engrgs

DRY-EX: Equipment, Water Cooling—Acme Industries
DRYMET: Sodium m-Silicate, Anhydrous—Cowles Chem Co
DRYORTH: Sodium o-Silicate, Anhydrous—Cowles Chem Co
DRY-O-WET: Prespotters—Slater-Robbins Co
DRYSEQ: Sodium Sesquisilicate, Anhydrous—Cowles Chem Co
DRYTEX: Water Repellents, Textile—Royce Chem Co
DUAL: Traps, Steam—American District Steam Co
DUAL CLONE: Collectors, Dust, Centrifugal—Day Co
DUART: Enamels, Wrinkly—Maas & Waldstein Co
DUCHESS: Products—Cosmetic Mfg Supply Co
DUCLEAN: Cleaners, Metal—E I Du Pont de Nemours & Co, Grasselli Chem Dept
DUCO-KLAD: Paints, Acid-Alkali Resistant—Electro Chem Engrg & Mfg Co
DU-LITE: Paints, Maintenance—E I Du Pont de Nemours & Co, Fabrics & Finishes Dept
DULLATONE: Delustrants—Onyx Oil & Chem Co
DULOC: Products—Maas & Weldstein Co
DULUX: Enamels—E I Du Pont de Nemours & Co, Fabrics & Finishes Dept
DUM DUM: Compounds—Arco Co
DUNATONE: Stains, Wood—Reliance Varnish Co
DUNNFLEX: Adhesives—Thomas W Dunn Co
DUNNGEL: Adhesives—Thomas W Dunn Co
DUNNWELD: Adhesives—Thomas W Dunn Co
DUOBRITE: Addition Agents—E I Du Pone de Nemours & Co, Electrochem Dept
DUODYNE: Collectors, Dust—Aerodyne Development Corp
DUOHEARTH: Incinerators—Nichols Engrg & Research Corp
DUOL: Pigments, Red—E I Du Pont de Nemours & Co, Pigments Dept
DUOLITE: Adsorbents—Chem Process Co
DUOZINC: Anodes, Zinc Alloy—E I Du Pont de Nemours & Co, Electrochem Dept
DUPLEX-SLEEVE: Joints, Expansion—American District Steam Co
DUPOMOL: Alcohols, Sulfated Higher—E I Du Pont de Nemours & Co, Organic Chem Dept
DURA GLAND REMOVER: Tools, Packing—Durametallic Corp
DURA HOOKS: Tools, Packing—Durametallic Corp
DURA PLASTIC: Packing, Semi-Metallic—Durametallic Corp
DURA PRESSURE UNIT: Pressure Systems, Lubricating Oil—Durametallic Corp
DURA SEAL: Seals, Mechanical, Rotary—Durametallic Corp
DURA-BEAU: Finishes, Textile—Scholler Bros
DURA-BLACK: Black Finishes for Copper & Brass—Heat-bath Corp
DURACUT: Abrasives, Grinding—Bay State Abrasive Products Co
DURAGARDE: Extinguishers, Fire—Pyrene Mfg Co
DURAGLAS: Containers—Owens-Illinois Glass Co
DURAKLAD: Fabrics, Industrial—Wm W Stanley Co
DURALASTO: Finishes & Lacquers—Atlas Powder Co, Industrial Finishes Dept
DURALOY: Alloys—Duraloy Co
DURAMETALLIC: Packings, Metallic—Durametallic Corp
DURANITE: Enamels—Atlas Powder Co
DURAPLEX: Resins, Alkyd—Rohm & Haas Co
DURA-STIX: Cements, Refractory—Keystone Refractories Co
DURATIEX: Putty, Acid-Resistant—Landen Putty Works
DURA-TRED: Chains, Conveyor—Beaumont Birch Co
DURAWAX: Waxes, Synthetic—Cornelius Products Co
DURAWAX: Waxes, Synthetic—General Wax Refg Co
DURCO: Products—Duriron Co
DURCOPUMPS: Pumps—Duriron Co
DURIRON: Products—Duriron Co
DURITE: Cements—Borden Co
DUR-LOY FREE: Cloth, Bolting—W S Tyler Co
DURMONT: Wax, Montan—Dura Chem Co
DURO: Products—Electro Chem Engrg & Mfg Co
DURO: Valves, Blow-Off—Lunkenheimer Co
DURO XXX: Cements, Acid-Proof—Electro Chem Supply & Engrg Co
DURO-BOND: Cements—Electro Chem Supply & Engrg Co
DURO-BRACE: Sheaves, Pressed Steel—Allis-Chalmers Mfg Co
DUROC: Varnishes, Oleo-Resinous—Reliance Varnish Co
DURO-CHEM: Jointing Compounds—Electro Chem Engrg & Mfg Co
DURO-KLAD: Coatings, Acid-Proof—Electro Chem Supply & Engrg Co
DURO-KOTE: Paints, Acid & Alkali Resistant—Electro Chem Supply & Engrg Co
DURO-LINE: Coatings, Acid-Proof—Electro Chem Supply & Engrg Co
DURON: Cements, Acid-Proof—Electro Chem Engrg & Mfg Co
DURON: Wax, Petroleum—Dura Chem Co
DURO-PLAST: Jointing Compounds—Electro Chem Engrg & Mfg Co
DURO-PLY: Cements—Electro Chem Supply & Engrg Co
DURO-PRENE: Coatings, Rubber—Electro Chem Engrg & Mfg Co
DURO-SAN: Coatings, Acid-Proof—Electro Chem Supply & Engrg Co
DURO-SEAL: Jointing Compounds—Electro Chem Engrg & Mfg Co
DURO-TITE: Jointing Compounds—Electro Chem Engrg & Mfg Co
DURO-WARE: Resins, Bonding & Sealing—Electro Chem Supply & Engrg Co
DUROXON: Wax, Petroleum—Dura Chem Co
DUSTMASTER: Products—Michigan Chem Corp
DUST-M-KLEEN: Insecticides, Garden—Miller Products Co
DUSTOX: Insecticides—Kalo Co
DUST-R-SPRA: Insecticides, Garden—Miller Products Co
DUST-STOP: Filters, Air—Owens-Corning Fiberglas Corp
DUSTUBE: Collectors, Dust—American Wheelabrator & Equipment Corp
DUTCH BOY: Products—Morris P Kirk & Son
DUVON: Coatings, Acid-Proof—Atlas Mineral Products Co
DWIGHT-LLOYD: Machines, Sintering—Nichols Engrg & Research Corp
DYAL: Resins, Alkyd—Sherwin-Williams Co
DYBRITE: Dyes, Basic—Calco Chem Div
DYESET: Textile Agents, Fixing—Scher Bros
DYKAST: Products—Maas & Waldstein Co
DYMAL: Resins, Maleic—Sherwin-Williams Co
DYNA-BOND: Adhesives—Merchants Chem Co
DYNACIDE: Fungicides—Wm M. Stien & Co
DYNA-CLAD: Coatings, Corrosion-Resistant—Merchants Chem Co
DYNA-FLEX: Protective Film, Plastic Strippable—Merchants Chem Co
DYNA-GRIP: Coatings, Safety, Abrasive—Merchants Chem Co
DYNSOL: Wetting Agents—Amalgamated Chem Corp
DY-NES-CO: Coatings, Acid-Resistant—Merchants Chem Co
DYPHENE: Resins, Phenolic—Sherwin-Williams Co
DYPHENITE: Resins, Phenolic, Modified—Sherwin-Williams Co

"E" CONCENTRATE: Emulsifiers—Magnet Cove Barium Corp
EE: Shellac—E E Zimmerman Co
ES EN: Retardants, Rubber—Naugatuck Chem Div
E-Z DRIVE: Staplers—Signode Steel Strapping Co
E-Z SEAL: Drums—Inland Steel Container Co
E-Z UP: Equipment, Materials Handling—Hodgson Engr & Mfg Co
EAGLE: Lead Carbonate—Associated Lead & Zinc Co
EAGLE-PICHER: Diatomaceous Earth—Northwest Lead Co
EAGLE-PICHER: Products—Eagle-Picher Co
EASTERN: Products—Eastern Industries
EASTMAN: Cellulose Acetate—Tenn Eastman Co
EASTMAN: Chemicals, Organic—Distillation Products Industries
EASY CLEANER: Core Compounds—J S McCormick Co
EASY-FLO: Alloys, Silver Brazing—Handy & Harman
EASY-LIFT: Trucks, Hand Lift—Yale & Towne Mfg Co
EASY PUMPS: Pumps—Easy Industries
EASY RIDE: Conveyors—Filter Paper Co
EBLIS: Oils, Cutting, Sulfurized—W A Wood Co
EBONITE: Oils, Cutting, Sulfurized—Franklin Oil & Gas Co
ECCO-874: Softeners, Textile—Eastern Color & Chem Co
ECCO GUM 200: Gums, Textile Printing—Eastern Color & Chem Co
ECCOPEL: Waterproofing Compounds—Eastern Color & Chem Co
ECCOTERGE: Detergents, Synthetic (Non-Ionic)—Eastern Color & Chem Co
ECCOTERGE 37: Boil-Off Compounds—Eastern Color & Chem Co
ECLIPSE: Dyes, Sulfur—Geigy Co
ECLIPSE: Products—Frick Co
ECO: Pumps, Midget—Eco Engrg Co
ECONOFOLD: Buffs—Hanson-Van Winkle-Munning Co
ECONO-LINE: Products—Grand Rapids Varnish Corp
ECON-O-MATIC: Bases, Motor—American Pulley Co
ECONOMITE: Burners, Gas—Mid-Continent Metal Products Co
ECONOMOIL: Insecticides, Garden—Miller Products Co
ECONOMY: Insecticides, Garden—Miller Products Co
ECONOMY: Pumps—Hamilton Thomas Corp
ECONOTOWER: Towers, Cooling—Santa Fe Tank & Tower Co
EDAMIN: Protein Hydrolysate—Sheffield Farms Co, Chemurgic Div
EDTBAUER: Machines, Weighing—B F Gump Co
EFCO: Equipment, Controlled Atmosphere—Elec Furnace Co
EFCO: Furnaces—Elec Furnace Co
EFFICIENCY: Boiler Feed Water Treatment—Superior Chem Wks
EFFECTONE: Products—Kepec Chem Corp
EILEITZ: Products—E Leitz
ELANTIBET: Products—Florasynth Labs
ELASTENAMEL: Enamels, Brewers'—Dehls & Stein
ELASTEX: Plasticizers—Barrett Div
ELASTOBOND: Cements, Rubber-Resin Emulsion—Paisley Products
ELASTOIL: Products—Industrial Oil Products Corp
ELASTOIL: Oil, Sardine—Cole & De Graf
ELASTOILS: Oils, Fish—Industrial Oil Products Co
ELASTOPLASTIC: Plasticols, Vinyl—Polymer Chem Co
ELBROOK: Feldspar—United Clay Mines Corp
ELECTRA-GEARMOTOR: Motors, Speed Reducing—Electra Motors
ELECTRA-MOTOR: Motors—Electra Motors
ELEC-TREX: Insecticides, Household—Rex Research Corp
ELECTRIC EAR: Controls, Grinding, Electronic—Hardinge Co
ELECTRIFUGAL: Pumping Units—Allis Chalmers Mfg Co
ELEC-TRI-PAK: Packaging Scales, Automatic—Triangle Package Machy Co
ELECTRO: Abrasives—Electro Refractories & Abrasives Corp
ELECTRO: Meters, Carbon—Fisher Scientific Co
ELECTROCARB: Abrasives—Electro Refractories & Abrasives Corp
ELECTRO-CELL: Precipitators, Electronic (Air Filter)—American Air Filter Co
ELECTROFLO: Diffusers, Air & Gas—Electro Refractories & Abrasives Corp
ELECTRO-MATIC: Precipitators, Electronic (Air Filter)—American Air Filter Co
ELECTROMODE: Heaters, Electric-Electromode Corp
ELECTRO-PL: Precipitators, Electronic (Air Filter)—American Air Filter Co
ELECTRUNITE: Tubes—Republic Steel Corp
ELECTRUNITE E M T: Conduits, Rigid Threadless—Republic Steel Corp
ELECTRU-VAPOR: Heating Systems, Dawtherm—Blaw-Knox Co
ELESCO: Superheaters, Steam—Combustion Engrg—Superheater
ELFURNO: Generators, Atmosphere—Elec Furnace Co
ELGIN: Boiler Feed Water Treatment—Elgin Softener Corp
ELIPTEX: Screens, Vibrating—Hewitt-Robins
ELITE: Products—D T Williams Valve Co
ELK: Antimony Oxide—Whittaker, Clark, & Daniels
ELK: Chemicals, Pharmaceutical—B R Elk Co
ELK STEEL: Brick, Refractory—North American Refractories Co
ELKO: Chemicals, Aromatic—E M Laning Co
ELLIOTT-CROCKER WHEELER: Generators—Elliott Co
ELLIOTT-FABRI-STEEL: Motors and Generators—Elliott Co
ELLIOTT LAGONDA: Cleaners, Tube—Elliott Co
ELOZURE: Seals, Mechanical—Garlock Packing Co
EL-SIXTY: Accelerators, Rubber—Monsanto Chem Co, Organic Chem Div
ELSOL: Liquors, Fat—Neatsfoot Oil Refineries Corp
ELVACET: Polyvinyl Acetate—E I Du Pont de Nemours & Co, Electrochem Dept
ELVANOL: Polyvinyl Alcohol—E I Du Pont de Nemours & Co, Electrochem Dept
ELVERITE: Castings, Iron—Babcock & Wilcox
ELYRIA: Tubings, High Carbon—Republic Steel Corp
EMARGUL: Emulsifiers, Margarine—Emulsol Corp
EMCOCID: Dyes, Acid—Edward Mendell Co
EMCODIR: Dyes, Direct—Edward Mendell Co
EMCOL: Active Agents, Surface—Emulsol Corp
EMCOSUL: Dyes, Sulfur—Edward Mendell Co
EMCOTATE: Dyes, Acetate—Edward Mendell Co
EMCOTHRENE: Dyes, Vat—Edward Mendell Co
EMERALDOL: Dyes, Acid—General Dyestuff Corp
EMERSOL: Acids, Fatty—Emery Industries
EMKAFOL: Products—Emkay Chem Co
EMKAGEN: Products—Emkay Chem Co
EMKABASE: Products—Emkay Chem Co
EMKALITE: Products—Emkay Chem Co
EMKALON: Products—Emkay Chem Co
EMKALUBE: Products—Emkay Chem Co
EMKANET: Products—Emkay Chem Co
EMKAPENE: Products—Emkay Chem Co
EMKANOL: Products—Emkay Chem Co
EMKAPON: Products—Emkay Chem Co
EMPICO: Specialties, Household—Old Empire Mfg Chemists
EMPIRE: Traps, Steam—American District Steam Co
EMPIRE: Wheels, Polishing—Hanson-Van Winkle-Munning Co
EMTCO: Products—Eastern Magnesia Talc Co
EMULLO: Lacquers, Emulsified—Kepec Chem Corp
EMULPHOGENE: Active Agents, Surface (Non-Ionic)—General Dyestuff Corp
EMULPHOR: Active Agents, Surface (Non-Ionic)—Antara Products Div
EMULSEPT: Germicides—Emulsol Corp
EMULSIFIER #10: Products—R F Revson Co
EMULSOBLACK: Carbon Black—Witco Chem Co
EMULSOL: Egg Products, Frozen—Emulsol Corp
EMULSOLVE: Products—Nielco Chem Co
EMULSOWAX: Wax, Carnauba, Substitute—Cornelius Products Co
EMULSOWAX: Wax, Carnauba, Substitute—General Wax Refg Co
ENAMELITE: Finishes, Black Enamel—Republic Steel Corp
ENAMELOID: Enamels, Household—Sherwin-Williams Co
ENCOLOID: Lecithin—Enco Chem Corp
END SHAK: Equipment, Testing (Sieve Shaker)—Newark Wire Cloth Co
ENFIELD: Clays, Ball—United Clay Mines Corp
ENCO: Burners—Engr Co
ENTHONE: Chemicals, Electroplating—Enthone Inc
ENTHONITE 101: Coatings, Plating Rack—Enthone Inc
EPIDOL: Oil, Sulfonated—Fiber Chem Corp
EPITAN: Tanstuffs, Synthetic—Fiber Chem Corp
EPLAB: Cells—Eppley Lab
EPON: Resins, Synthetic—Shell Chem Corp
EPPENBACH: Products—Admiral Tool & Die Co
EQUISEAL: Boxes, Pump Stuffing—Allis-Chalmers Mfg Co
ERCO: Products—Reichard-Coulston Inc
ERDALITH: Preservatives, Wood—American Lumber & Treating Co
ERGANIL: Dyes, Leather—General Dyestuff Corp
ERIFON: Arrestors, Flame—E I Du Pont de Nemours & Co
ERIO: Dyes, Acid—Geigy Co
ERIOCHROME: Dyes, Chrome—Geigy Co
ERMOLD: Unpackers, Case—Edward Ermold Co
EROSET: Mortars, High Temperature—Electro Refractories & Abrasives Corp

ESCALOL 106: Products—Van Dyk & Co
ESCAROM: Oils, Perfume—Edwin Seebach Co
ESCO: Steels, Stainless and High Alloy—Elec Steel Foundry
ESKIMO: Anti-Freeze—Merimac Div, Monsanto Chem Co
ESOTOO: Sulfur Dioxide (Commercial)—Virginia Smelting Co
ESSANAY: Extinguishers, Fire—Pyrene Mfg Co
ESSEX: Tin Solutions—Hanson-Van Winkle-Munning Co
ESSEX (SRF): Carbon Black—J M Huber Corp
ESSKOL: Products—Spencer Kellogg & Sons
ESS-O: Cleaners—Mitchell Fels
ESTERON: Weed Killers—Dow Chem Co
ESTEY: Pumps—Premier Mill Corp
ESTEX: Inks—Scriptex Products Co
ESTHAVAN: Flavoring and Aromatics—Monsanto Chem Co, Organic Chem Div
ESTON 14: Insecticides, Household—Eston Chem
ESTON HOUSEHOLD AEROSOL: Products—Eston Chem
ESTRAMINE: Detergents, Non-Ionic—Onyx Oil & Chem Co
ESTROGENS: Hormones—Lakeside Labs
ESTROTATE: Hormones—Lakeside Labs
ETHASAN: Accelerators, Rubber—Monsanto Chem Co, Organic Chem Div
ETHAZATE: Accelerators, Rubber—Naugatuck Chem Div
ETHOCEL: Ethylcellulose—Dow Chem Co
ETHOX: Plasticizers—Ohio-Apex
ETHYCOL: Dispersions, Pigments—C J Osborn Co
ETHYL CHEMOSEPT: Preservatives—Chemo Puro Mfg Co
ETHYL TEGOSEPT: Ethyl-p-Hydroxy Benzoate—Goldschmidt Chem Corp
ETHYL THIURAD: Accelerators, Rubber—Monsanto Chem Co, Organic Chem Div
ETHYL TUEX: Accelerators, Rubber—Naugatuck Chem Div
ETHYLAC: Accelerators, Rubber—Sharples Chem
EUCHRYSINE: Dyes, Basic—General Dyestuff Corp
EUCO: Products—Euclid Chem Co
EUKANOL: Dyes, Leather—General Dyestuff Corp
EUKESOL: Finishes, Leather—General Dyestuff Corp
EULAN: Mothproofing Agents—Antara Products Div
EULAN: Mothproofing Agents—General Dyestuff Corp
EULAVA: Mothproofing Agents—General Dyestuff Corp
EULYSINE: Finishes, Textile—General Dyestuff Corp
EUNAPHTOL: Solvents, Dye—General Dyestuff Corp
EUREKA: Fluxes, Soldering—E I Du Pont de Nemours & Co, Grasselli Chem Dept
EUREKA OIL: Products—Florasynth Labs
EUSTON: Lead White—Euston Lead Co
EVACTOR: Ejectors, Steam Jet—Croll Reynolds Co
EVER GREEN: Products—McLaughlin Gormley King Co
EVERBOND: Cements, Rubber—Midland Glue Products Co
EVERDUR: Alloys, Copper-Silicon—American Brass Co
EVERLASTING: Products—Everlasting Valve Co
EXACT WEIGHT: Scales—Exact Weight Scale Co
EXCELBRITE: Products—Excelsior Varnish Works
EXCELLASTIC: Products—Excelsior Varnish Works
EXCELLO: Colors, Dry—Smith Chem & Color Co
EXCELSIOR: Refractories—Pacific Clay Products
EXCELWHITE: Products—Excelsior Varnish Works
EXKIN: Anti Skinning Agents—Nuodex Products Co
EXOLON: Aluminum Oxide—Exolon Co
EXOLVENT: Thinners, Paint—Sherwin-Williams Co
EXON: Resins, Vinyl—Firestone Tire & Rubber Co
EXPEDITE: Removers, Paint & Varnish—Pratt & Lambert

EXPULSION-PORT: Depotentiators, Arc—Allis-Chalmers Mfg Co

EXTEND-O-VEYOR: Conveyors, Portable—Standard Conveyor Co

EXY: Cleaners—Uncle Sam Chem Co
EZY-CLEAN: Strainers—Blachmer Pump Co
EZYFLO: Products—Excelsior Varnish Works
EZY-KLEEN: Strainers, Industrial—Blackmer Pump Co
EZYON: Products—Excelsior Varnish Works

FA: Alcohol, Furfuryl—Quaker Oats Co
FC: Potash, Liquid Caustic—Innis, Speiden & Co
F/C PNEUMATIC PRESSURE TRANSMITTER: Alarms, Pressure—Instruments Inc
FDS: Wools, Artificially Soiled—Foster D Snell
FF: Potash, Liquid Caustic—Innis, Speiden & Co
F N A: Glues, Animal (Non-Warp)—Paisley Products
FND: Oils, Fur Dressing—Siegel Chem Co
FAB: Detergents, Household—Colgate-Palmolive-Peet Co
FABRILITE: Cloth, Waterproof & Heat-Resistant—E I Du Pont de Nemours & Co
FABULON: Products, Lacquer—Pierce & Stevens
FABULOY: Varnishes, Synthetic—Pierce & Stevens
FADE-OMETER: Equipment, Laboratory—Atlas Elec Devices Co
FAHRITE: Alloys, Corrosion-Resistant—Ohio Steel Foundry Co
FAIRBANKS: Products—Fairbanks Co
FAIRMOUNT: Crushers, Anvil—Allis-Chalmers Mfg Co
FAIRPRENE: Cements, Synthetic—E I Du Pont de Nemours & Co, Fabrics & Finishes Dept
FAIRWAY: Dispensers, Tablet—Standard Safety Equipment Co
FALCO: Dyestuffs—Fallek Products Co
FALCONAL: Wetting Agents—Fallek Products Co
FALCONOL: Wetting Agents—Fallek Products Co
FALCOPON: Detergents—Fallek Products Co
FALCOSEPT: Preservatives—Fallek Products Co
FALKENE: Oils, Sulphonated Cod—Pennsylvania-Falk Chem Co
FALKOLIN: Oils, Vegetable—Pennsylvania-Falk Chem Co
FALKOTE: Gums, Ester—Pennsylvania-Falk Chem Co
FALKOVAR: Oils, Fish—Pennsylvania-Falk Chem Co
FALKYD: Resins, Synthetic—Pennsylvania-Falk Chem Co
FALSTROM: Lifters, Barrel—Falstrom Co
FALSTROM DRUM-KARRIER: Lifters, Barrel—Falstrom Co
FALSTROM PANELBOARDS: Switchboards—Falstrom Co
FANAL: Pigments—General Dyestuff Corp
FARAC: Fatty Acids, Tall Oil—Cole & De Graf
FARBER: Brick, Refractory—North American Refractories Co
FARMEX: Explosives, Agricultural—Atlas Powder Co
FARRISEAL: Valves, Safety Relief—Farris Engrg Corp
FARVAL: Systems, Lubricating—Farval Corp
FASCO: Products—Florida Agricultural Supply Co
FASET: Offset Inks, Fast Setting—Bowers Printing Ink Co
FASTACK: Glues, Cake (Fast-Setting)—Paisley Products
FAST-FLO: Products—Gray Co
FASTFOME: Extinguishers, Fire—Pyrene Mfg Co
FASTICK: Pastes—Paisley Products
FAS-TIN-FLUX: Fluxes, Liquid Thinning—Hanson-Van Winkle-Munning Co
FASTUSOL: Dyes, Direct—General Dyestuff Corp
FAVORITE: Paints—Impervious Paint & Varnish Co
FEATHERSPEC: Goggles, Safety—Willson Products
FEATHERWEIGHT: Insulating Materials, Heat—Keasbey & Mattison Co
FEDRATINE: Substitutes, Turpentine—Impoil Co
FEDRATONE: Fluids—Impoil Co
FEDROID: Removers—Impoil Co
FEEDOIL: Vitamin Concentrates—Thompson-Hayward Chem Co
FEEDOWEIGHT: Feeders, Constant Weight—Merrick Scale Mfg Co
FEEDPLATE: Screens, Filter—Niagara Filter Corp
FEEDRID®: Vitamin Ds—Thompson-Hayward Chem Co
FEINC: Filters, Continuous Rotary Vacuum—Filtration Engrs
FELBESTOS: Products—Felt Products Mfg Co
FELS NAPTHA CHIPS: Soaps—Fels & Co
FELSO: Detergents, Household—Fels & Co
FELTOSCOUR: Compounds, Scouring, Textile—General Dyestuff Corp
FELTRON: Finishes, Textile—General Dyestuff Corp
FEN: Waterproofing Agents, Textile—Amalgamated Chem Co

FEON: Cloths, Filter (Synthetic Fibre)—Filtration Engrs
FERMATE: Fungicides, Garden—E I Du Pont de Nemours & Co, Grasselli Chem Dept
FERMOCIDE: Fungicides, Garden—Miller Products Co
FERRENEWO: Valves—Lunkenheimer Co
FERRICHLOR: Ferric Chloride—Innis, Speiden & Co
FERRO: Fluxes, Welding—Linde Air Products Co
FERR-O-NIEL: Cleaners, Metal—Nielco Chem
FERROTONE: Cleaners, Acid—Penetone Co
FERROX: Inhibitors, Corrosion—F M Speekman Co
FERROX: Iron Oxide—Witco Chem Co
FERRUBRON: Paints—Carbolineum Wood Preserving Co
FERULOK: Tube Fittings, Flareless—Parker Appliance Co
FIBERGLAS-TM: Products—Owens-Corning Fiberglas Corp

FIBERPAK: Drums, Fibre—Continental Can Co
FIBERTEX: Muds, Drilling, Oil-Well—Baroid Sales Div
FIBESTOS: Cellulose Acetate—Monsanto Chem Co, Plastics Div

FIBRENE C-400: Talc—Sierra Talc & Clay Co
FIEBINGS: Products—Fiebing Chem Co
FILASEAL RESIN: Resins, Vinyl—Amalgamated Chem Corp
FILMCOL: Alcohol, Ethyl—Lac Chem
FILMCOL: Alcohol, Ethyl—West Coast Chem & Solvents Corp
FILMOFOAM: Products—Wm J Scheop Co
FILMRITE: Cleaners, Photographic Film—Rosco Labs
FILO GREENS: Colors—Filo Color & Chem Corp
FILOSEAL: Finishes, Textile—Amalgamated Chem Corp
FILPACO: Agitators, Cloths, Filters, Mixers, Tanks, etc—Filter Paper Co
FILPRO: Filters—U S Hoffman Machy Corp
FILTERWELD: Lenses, Welding—American Optical Co
FILTOCOTT: Cloth, Filtering (Cotton)—Johnson & Johnson

FILTRABLEND: Oil Bases, Soluble—Petroleum Specialties

FILTRALUBE: Oils, Lubricating—Petroleum Specialties
FILTRAPENN: Oils, Motor—Petroleum Specialties
FILTRAWHITE: Oils, White (Technical)—Petroleum Specialties
FILTROLATUM: Petrolatum—Petroleum Specialties
FILTRONA: Sulfonates, Petroleum—Petroleum Specialties
FILTRO-SAN: Soaps, Dry-Cleaning—Slater-Robbins Co
FILTROSOFT: Petrolatum—Petroleum Specialties
FINDLEYS: Adhesives—F G Findley Co
FINISH SM: Stiffeners, Textile—Mellin Chem
FINNALINE: Finishes, Leather—Kepec Chem Corp
FIRECRETE: Cements, Refractory—Johns-Manville
FIRECRETE: Refractories—Goetze Gasket & Packing Co
FIRE-GUN: Extinguishers, Fire—American LaFrance Foamite Corp
FIRETOX: Extinguishers, Fire—Firetox System
FISHER: Nefluorophotometers—Fisher Scientific Co
FIXAPRET: Finishes, Textile—General Dyestuff Corp
FLAMEBUSTER: Extinguishers, Fire—Grinnell Co
FLANGED CONICAL: Fittings, Stainless Steel—Tri-Clover Mach Co

FLARE: Products—Bell Co
FLASH: Cleaners—Flash Chem Co
FLASH: Drying Systems, Flash—Combustion Engrg—Superheater

FLASHDUR: Enamels, Baking—Maas & Waldstein Co
FLATACK: Glue, Clear, Cake—Paisley Products
FLATJET: Nozzles, Spray—Spraying System Co
FLAT-RITE: Undercoaters, Interior Enamel—Sherwin-Williams Co
FLAT-TONE: Paints, Flat—Sherwin-Williams Co
FLATWEAP: Glues, Tightwrap—Paisley Products
FLAV-A-DEE: Vitamin Concentrates—Whitmoyer Labs
FLAVOPHOSPHINE: Dyes, Basic—General Dyestuff Corp
FLAVORS OF TOMORROW: Products—Florasynth Labs
FLAVAZINE: Dyes, Acid—General Dyestuff Corp
FLAXOAP: Soap, Linseed Oil—Sherwin-Williams Co
FLEA-TOX: Insecticides, Household—Rex Research Corp
FLECTOL: Anti-Oxidants, H Rubber—Monsanto Chem Co, Organic Chem Div

FLEETWELDER: Apparatus, Welding—Lincoln Elec Co
FLEMING: Clays, Enamelers'—United Clay Mines Corp
FLESHEASE: Penetrants, Fur Dressing—Siegel Chem Co

FLEUR DE LIS: Soaps, Liquid—Amplon Corp
FLEX: Valves—Flexible Valve Co
FLEX-A-FOAM: Masks, Filter—Goggle Parts Co
FLEXALYN: Resins—Hercules Powder Co
FLEXAMINE: Anti-Oxidants, Rubber—Naugatuck Chem Div

FLEXBAC: Products—Carborundum Co
FLEXFLAT: Glues, Cake, Flexible—Paisley Products
FLEXFLO: Pumps, Sanitary—Cherry-Burrell Corp
FLEXGLO: Glues, Padding, Flexible—Armour & Co
FLEXIFLAT: Pastes (Non-Warp)—Paisley Products
FLEXIN P: Softeners, Textile—Heyden Chem Corp
FLEXISEAL: Caulking Compounds—Landen Putty Works
FLEXITALLIC: Gaskets—Flexitallic Gaskets Co
FLEXITITE DISC: Valves, Gate—Ohio Brass Co
FLEXO WAX: Waxes, Synthetic—Glyco Products Co
FLEXOID AQUAFLEX: Condensers, Water Treatment—Flexoid Products
FLEXOID FUELFLEX: Oil Conditioners, Combustion—Flexoid Products
FLEXOID NOSCALE: Boiler Feed Water Treatment—Flexoid Products
FLEXOID RUSTOUT: Removers, Rust—Flexoid Products
FLEXOL: Paints, Acid-Resistant—Excelsior Varnish Works

FLEXOL: Plasticizers—Carbide & Carbon Chem Co
FLEXON: Bellows, Brass, Bronze—Chicago Metal Hose Co

FLEXOVEYOR: Loaders, Car—Flexoveyor Mfg Co
FLEXPAK: Wrapping Materials, Flexible—Hinde & Dauch Paper Co
FLEXRICIN: Derivatives, Castor—Baker Castor Oil Co
FLEXTACK: Glues, Cake, Flexible—Paisley Products
FLEXTOOTH: Crushers—Jeffrey Mfg Co
FLOCYN: Explosives—Atlas Powder Co
FLO-LAC: Varnishes—Sherwin-Williams Co
FLOMINE: a-Amyl Cinnamic Aldehyde-Van Ameringen Haebler

FLOOR-LAC: Sealers, Lacquer—Dagmar Chem Co
FLOORMASTER: Polishes, Floor—Science Industries
FLOORMASTER: Trucks—Lewis-Shepard Products
FLOOR-SAN: Soap Bases, Liquid—Huntington Labs
FLOOR-VEYOR: Conveyors, Inter-Floor-Rapids-Standard Co

FLORCO: Adsorbents, Oil & Grease—Floridin Co
FLORIGEL: Clays, Colloidal—Floridin Co
FLORISIL: Adsorbents—Floridin Co
FLORITE: Bauxite—Floridin Co
FLOR-SMOOTHE: Lacquers, Clear—V J Dolan & Co
FLOVEYOR: Conveyors, Pneumatic—Brady Conveyors Corp
FLO-WATCH: Meters, Flow—Builders Providence
FLOW-COLD: Chillers, Liquid—Acme Industries
FLOWLINE: Fittings, Welding—Welding Fittings Corp
FLOW-MASTER: Products—Marco Co
FLOWRATOR: Meters—Fischer & Porter
FLOWRITE: Valves, Diaphragm—Powers Regulator Co
FLUOROFLEX: Rod, Tubing, Sheets, & Machine Parts—Resistoflex Corp

FLUOROL: Dyes, Gasoline—General Dyestuff Corp
FLUOROLUBE: Lubricants—Hooker Electrochem Co
FLUSH-KLEEN: Screens, Sewage—Chicago Pump Co
FLY MIST: Insecticides—Kalo Co
FLY-FOIL: Insecticides, Household—An-Fo Mfg Co
FLY-TOX: Insecticides, Household—Rex Research Corp
FOAMOLE G: Detergents—Van Dyk & Co
FOAMEX: Defoamers—Glyco Products Co
FOAMITE: Extinguishers, Fire—American LaFrance Foamite Corp

FOAM-KING: Soaps, Liquid—Old Empire Mfg Chemists
FOGJET: Nozzles, Spray—Spraying System Co
FOLIONE®: Methyl Heptine Carbonate—Givaudan-Delawanna

FOMAGEN: Products—B L Lemke & Co
FOOTE BROS-LOUIS ALLIS: Gearmotors—Foote Bros Gear & Mach Co

FORAMBA: Insecticides, Household—Uncle Sam Chem Co
FORGEWELD: Casters—Service Caster & Truck Corp
FORM CELS: Alcohol Formaldehyde Solutions—Celanese Corp of America
FORM-A-WRAP: Wrappings, Contour—Triangle Package Machy Co
FORMCEL: Products—Celanese Corp of America
FORM-O-LAC: Bases, Lacquer—Dagmar Chem Co
FORMOPON: Formaldehyde, Sodium Sulfoxylate—Rohm & Haas Co
FORMULA #44: Disinfectants—Science Industries
FORMULA 200: Acid, Stearic—E F Drew & Co
FORMULA 300: Acid, Stearic—E F Drew & Co
FORMULA 400: Acid, Stearic—E F Drew & Co
FORMULA 1000: Acid, Stearic—E F Drew & Co
FORMULA 1500: Acid, Stearic—E F Drew & Co
FORMVAR: Polyvinyl Formal—Shawinigan Resins Corp
FORTRESS: Carbon Black—United Carbon Co
FOSECO: Products—Foundry Services
FOSKLOR: Disinfectants—Westvaco Chem Div
FOSSILITE: Diatomaceous Earth—L A Salomon & Bro
FOSTAN: Boiler Compounds—Utility Chem Co

FOR-FUT-D: Vitamin D—Thompson-Hayward Chem Co

FOR-FUT OIL: Vitamin D—Thompson-Hayward Chem Co

FOSTER: Adhesives—Benjamin Foster Co

FOSTEROL: Oils, Wool—Foster Finishing Products Co

FOSTORIA: Ovens, Infra Red—Fostoria Pressed Steel Corp

FOSVEX: Tetraethyl Pyrophosphate—Westvaco Chem Div

FOUNDROMATIC: Driers, Core—Allis-Chalmers Mfg Co

FOUR A: Coatings, Drum Lining—Interchem Corp

FRANK: Leggings & Spats—Safety Clothing & Equipment Co

FRANKLIN: Clays, Filler—United Clay Mines Corp

FRANKLIN: Glues, Hide—Franklin Glue Co

FREAS: Baths, Constant Temperature—Precision Scientific Co

FREE-FLO: Filters—Winslow Engrg Co

FREEMAN: Clays, Crucible—United Clay Mines Corp

FREE-VANE: Controllers, Air-Operated—Bristol Co

FREEZALL DRY ICE: Carbon Dioxide—Spencer Chem Co

FREFLO: Sulfur, Agricultural—Miller Products Co

FREON-11: Trichloromonofluoromethane—E I Du Pont de Nemours & Co, Organic Chem Dept, Kinetic Chem Div

FREON-12: Dichlorodifluoromethane—E I Du Pont de Nemours & Co, Organic Chem Dept, Kinetic Chem Div

FREON-21: Dichloromonofluoromethane—E I Du Pont de Nemours & Co, Organic Chem Dept, Kinetic Chem Div

FREON-22: Chlorodifluoromethane—Matheson Co

FREON-22: Monodichlorodifluoromethane—E I Du Pont de Nemours & Co, Organic Chem Dept, Kinetic Chem Div

FREON-113: Trichlorotrifluoroethane—E I Du Pont de Nemours & Co, Organic Chem Dept, Kinetic Chem Div

FREON-114: Dichlorotetrafluoroethane—E I Du Pont de Nemours & Co, Organic Chem Dept, Kinetic Chem Div

FRICK: Products—Frick Co

FRIGIDOL: Oils, Cutting, Sulphurized—G Whitfield Richards

FRIGISTAT: Equipment, Refrigerating—Minneapolis-Honeywell Regulator Co

FROG-LEG: Windings—Allis-Chalmers Mfg Co

FRONTIER: Asphaltum—Riverside Chem Co

FROSTETCH: Etching Compounds—Rosco Labs

FRUIT FIX: Acid, Naphthalenacetic—Thompson Horticultural Chem Co

FRUITOSYNTH: Products—Florasynth Labs

FUGITINT: Dyes, Mixed Fibers, Cotton & Rayon—General Dyestuff Corp

FLUDICIDE: Disinfectants—Fuld Bros

FULEX: Products—Fuld Bros

FULFLO: Products—Commercial Filters Corp

FULLERDEX: Adhesives—H B Fuller Co

FULLERGRIPT: Brushes, Floor—Fuller Brush Co

FULLJET: Nozzles, Spray—Spraying System Co

FULLUSTRE: Waxes, Floor—Fuller Brush Co

FULL-VIEW: Glasses, Sight—Jacoby-Tarbox Corp

FULSCOPE: Controllers, Automatic—Taylor Instrument Co

FULSHINE: Cleaners—Fuld Bros

FUL-VUE: Goggles—American Optical Co

FUMERAL: Diffusers, Air & Gas—Fumeral Co

FUMIGAS: Fumigants—Thompson-Hayward Chem Co

FUMIGRAIN: Insecticides, Farm—Miller Products Co

FUMILENE: Insecticides, Garden—Miller Products Co

FUMISEED: Insecticides, Farm—Miller Products Co

FUMISPRA: Insecticides, Garden—Miller Products Co

FUMITOX: Insecticides, Garden—Miller Products Co

FUNGISEAL: Preservatives, Wood—Monsanto Chem Co, Organic Chem Div

FURAFIL: Fillers, Plastic—Quaker Oats Co

FUR-AG: Fertilizer Conditioners and Fillers—Quaker Oats Co

FURASOL: Dyes, Fur—General Dyestuff Corp

FURNACESTAT: Controls, Furnace—Minneapolis-Honeywell Regulator Co

FYREX: Flameproofing Compounds—Victor Chem Works

G: Calcium Carbonate—Calcium Carbonate Co

G-40: Fungicides—Sindar Corp

G-110: Germicides—Sindar Corp

G-942: Tanstuffs, Synthetic—E I Du Pont de Nemours & Co, Grasselli Chem Dept

GA: Activators, Rubber—Naugatuck Chem Div

GD-100: Mercapto-benzo-thiazole—E I Du Pont de Nemours & Co, Organic Chem Dept

GD-100 OIL FREE: Mercapto-Benzo-Thiazole—E I Du Pont de Nemours & Co, Organic Chem Dept

GE: Accelerators, Rubber—Naugatuck Chem Div

GY-COP: Insecticide Concentrates, Synthetic—Geigy Co

GY-PHENE: Insecticide Concentrates, Synthetic—Geigy Co

GY-TET: Insecticide Concentrates, Synthetic—Geigy Co

GACO: Pipes, Rubber-Lined—Gates Engrg Co

GACO NEO PRENE: Linings, Tank & Pipe—Gates Engrg Co

GAGETROM: Alarms, Level Indicator—Instruments Inc

GALEX: Resin Products—National Rosin Oil Products

GALEX: Rosin—Thicksol Corp

GALIGHER: Filters—Gallgher Co

GALV-A-NIEL: Cleaners, Metal—Nielco Chem

GALVITE: Finishes, Galvanized—Republic Steel Corp

GALVITE: Primers, Galvanized Iron—Sherwin-Williams Co

GAMACO: Calcium Carbonate—Smith Chem & Color Co

GAMADUSTO: Insecticides, Garden—Miller Products Co

GAMASPRA: Insecticides, Garden—Miller Products Co

GAMMANOL: Sulfonates—Griffin Chem Co

GARDEN: Clays—J M Huber Corp

GARDEN DORMO: Insecticides, Garden—Miller Products Co

GARDEN SUMERO: Insecticides, Garden—Miller Products Co

GARDINEER: Products—Michigan Chem Corp

GARDUSTO: Insecticides, Garden—Miller Products Co

GARDWELL: Equipment, Safety, Industrial—Safety Clothing & Equipment Co

GARLOCK: Gaskets—Garlock Packing Co

GARVERET: Clarifiers, Sugar—Garver Tank & Mfg Co

GAS-FUME & GASFOE: Respirators—Mine Safety Appliance Co

GASHOLDER, WIGGINS: Gen American Transport Corp

GASKATEX: Cements, Gasket—Van Cleef Bros

GASTEAM: Heaters, Gas-Fired—James B Clow & Sons

GASWELD: Gases—Liquid Carbonic Corp

GATES: Crushers; Rock & Ore—Allis-Chalmers Mfg Co

GAYCO: Separators, Centrifugal Air—Universal Rd Mach Co

GAYLORD: Boxes, Carton, Bags, Wrapping Paper—Gaylord Container Corp

GEAREX: Pumps, Rotary—Sier Bath Gear & Pump Co

GEARSHIELD: Lubricants, Gear—Ironsides Co

GEARY: Feeders, Proportioning—Gallgher Co

GEARY REAGENT: Feeders, Liquid—Gallgher Co

GEARY-JENNINGS: Samplers, Automatic—Gallgher Co

GELAGLAZE: Sizes, Textile—Commonwealth Color & Chem Co

GELBER: Pumps—Sam S Gelber Co

GELCARIN: Extracts, Carragheen—Algin Corp of America

GEL-O-CELL: Cleaners, Paint—Central Ill Labs

GELVA: Polyvinyl Acetate—Shawinigan Products Corp

GELVA: Polyvinyl Acetate—Shawinigan Resins Corp

GELVATOL: Products—Shawinigan Resins Corp

GEM: Cups, Grease—Lunkenheimer Co

GEM: Soaps, Liquid—Davies-Young Soap Co

GEMSTONE: Resins, Phenol Formaldehyde—Knoedler Chem Co

GEN MAG B-36: Polyvinyl Chloride—General Magnesite & Magnesia Co

GEN MAG TECHNICAL: Magnesium Oxide—General Magnesite & Magnesia Co

GENERAL AMERICAN: Dryers, Drum (Rotary, Vacuum)—Gen American Transportation Corp

GENERAL ELECTRIC: Equipment—General Electric Co

GENERALIME: Buffing Compositions—Hanson-Van Winkle-Munning Co

GENETRON: Fluorine Compounds, Organic—Allied Chem & Dye Corp, Gen Chem Div

GENETRON 100-101: Difluoroethane—Matheson Co

GENETRON: 1,1,1-Difluoroethane—Matheson Co

GENEVA: Barrels, Rubber Lined—Munning & Munning

GENSALATE: Acid—Penray Corp

GEON POLYVINYL MATERIALS: Products—B F Goodrich Chem Co

GERANOL: Dyes, Acid—General Dyestuff Corp

GERMA-MEDICA: Soaps, Antiseptic—Huntington Labs

GERONA: Oils—Tiona Petroleum Co

GERSTHOFEN: Waxes, I G—George H Lincks

GESAROL: Insecticide Concentrates, Synthetic—Geigy Co

GEXANE: Hexachlorocyclohexane—R J Strasenburgh Co

GIANTOL: Core Compounds—Tiona Petroleum Co

GIBONS: Clays, Enamelers'—United Clay Mines Corp

GILBARCO: Products—Gilbert & Barker Mfg Co

GILSOGUM: Products—Emil Klemm

GILSOKOTE: Coatings—Emil Klemm

GLASWELD: Pipings, Corrosion-resisting—U S Plywood Corp

GLAUBER'S SALT: Crystals, Sodium Sulfate—Iowa Soda Products Co

GLENLAB: Columns, Fractioning—Glass Engr Labs

GLENOPINE: Disinfectants, Industrial—U S Sanitary Specialties Corp

GLIDE-EZE: Products—Uncle Sam Chem Co

GLO: Oils, Vegetable—Hutchman Co

GLOBAR: Products—Carborundum Co

GLO-BRITE: Products—B R Elk Co

GLO-CRAFT: Products—Switzer Bros

GLO-LUSTRE: Products—Grand Rapids Varnish Corp

GLO-N-GLO: Pigments, Fluorescent—Canadian Radium & Uranium Corp

GLOTECH: Pipes—Fischer & Porter

GLUCARINE B: Glycerin Substitute—Glycol Products Co

GLU-SHIELD: Adhesives—F G Findley Co

GLU-WELD: Adhesives—F G Findley Co

GLYCO-BABBIT: Babbit Metal—Joseph T Ryerson & Son

GLYCOLA: Softeners, Textile—Hass-Miller Corp

GLYCOLAN: Dyes, Wool—Geigy Co

GLYCOWAX: Waxes, Synthetic—Glyco Products Co

GLYCOX: Emulsifiers, Insecticide—Glyco Products Co

GLYDAG: Graphite Colloidal—Acheson Colloids Corp

GLYECINE: Solvents, Dyes—General Dyestuff Corp

GOGETTER: Trucks, Power—Revolvator Co

GOLD CROWN: Products—K & L Chem Co

GOLD MEDAL: Products—Michigan Chem Corp

GOLD MEDAL: Tapes, Gummed—Gilman Paper Co

GOLD SEAL: Paints, House—Ruehl Paint Co

GOLD-ADHESION FILTER: Cleaner, Mercury-Bethlehem Apparatus Co

GOLDEN BLEACH: Sulfur, Agricultural—Miller Products Co

GOOD-RITE CHEMICALS: Products—B F Goodrich Chem Co

GOOD-RITE PLASTICIZERS: Plasticizers, Rubber—B F Goodrich Chem Co

GOOSE LAKE: Clays, Fire—Illinois Clay Products Co

GORITE: Rosins, Non-Oxidizing—Dixie Pine Products Co

GRADIATION: Equipment, Radiant Heating (Heaters, Gas-Fired)—Selas Corp of America

GRAGOR: Agar—Krim-Ko Corp

GRANBY "D": Zinc—America Zinc Sales Co

GRANBY "H": Zinc—American Zinc Sales Co

GRANBY SELECT: Zinc—American Zinc Sales Co

GRANODINE: Rustproofing Compounds—American Chem Paint Co

GRAPHALLOY: Bushings—Graphite Metallizing Corp

GRAPHIC RED: Colors, Dry, Lithol Red—Sherwin-Williams Co

GRAPHOL: Monomethyl p-Amino Phenol Sulfate—Philip A Hunt Co

GRAPH-O-STAT: Developers—Philip A Hunt Co

GRAPHOSYNTH: Products—Florasynth Labs

GRASSELLI: Lead Arsenate—E I Du Pont de Nemours & Co, Grasselli Chem Dept

GRAVER BYLINDROID: Vessels, Pressure—Graver Tank & Mfg Co

GRAVER CENER: Tanks, Roof Weighted & Floating—Graver Tank & Mfg Co

GRAVER SPHERE: Vessels, Pressure—Graver Tank & Mfg Co

GRAY STRAND: Wire Rope, Improved Plow Steel—Colorado Fuel & Iron Corp

GRAYCO: Alcohol, Anti-Freeze—Wm S Gray & Co

GRAYCOTE: Joints, Pipe—Chicago Gasket Co

GRAYSOL: Solvents—Wm S Gray & Co

GREEN BAND: Sours, Laundry—Ecclestone Chem Co

GREEN SEAL: Lubricants—Murphy's Oil Soap Co

GRELLEX: Prdoucts—Great Lakes Carbon Corp

GRID: Coils—D J Murray Mfg Co

GRIMEX: Cleaners—U S Sanitary Specialties Corp

GRINDWELL: Grinding Compounds—G Whitfield Richards

GRINNELL: Products—Grinnell Co

GRINNEL-SAUNDERS: Valves—Grinnell Co

GRIPTEX: Coatings, Rubber—Adhesive Products Corp

GRIP-TIGHT: Pastes, Label—Paisley Products

GUANTAL: Accelerators, Rubber—Monsanto Chem Co, Organic Chem Div

GUANYLUREA PHOSPHATE: Retardants, Flame—American Cyanamid Co

GUANYLUREA SULFATE: Products—American Cyanamid Co

GUARDENE: Extinguishers, Fire—Pyrene Mfg Co

GUARDIAN: Gaskets—Garlock Packing Co

GUARDSMAN: Products—Grand Rapids Varnish Corp

GUINEA: Dyes, Acid—General Dyestuff Corp

GULF: Stoddard Solvent—Gulf Refining Co

GULF COAST: Products—Mobile Paint Mfg Co

GULF ELECTRO: Oils, Cutting, Sulfurized—Gulf Refining Co

GULF HARMONY: Oils, Hydraulic—Gulf Refining Co

GULF NO-RUST: Rustproofing Compounds—Gulf Refining Co

GULF PETROLWAX: Products—Gulf Refining Co

GULF PRECISION: Greases, Lubricating—Gulf Refining Co

GULF SUPER-QUENCH 70: Oils, Quenching—Gulf Refining Co

GULFPRIDE: Oils, Motor—Gulf Refining Co

GULFSPRAY: Insecticides, Household—Gulf Refining Co

GUM #17: Products—R F Revson Co

GUMINOL: Finishes, Textile—Standard Chem Products

GUN-FIL: Products—Gray Co

GUNK: Degreasing Compounds—Curran Corp

GY-BARIATE: Insecticide Concentrates, Synthetic—Geigy Co

GYCO: Jackets—Scientific Glass Apparatus Co

GYCO PYRO-TRAN: Transformers—Scientific Glass Apparatus Co

GYRETTE: Screens, Vibrating—Productive Equipment Corp

GYREX: Screens, Vibrating—Hewitt-Robins

GYRO: Degreasers, Rotary—Detrex Corp

GYRO-CENTRIC: Sifters—Patterson Foundry & Mach Co

GYROSET: Screens, Vibrating—Productive Equipment Corp

H B-40: Plasticizers, Resin—Monsanto Chem Co, Phosphate Div

H&D: Boxes, Corrugated—Hinde & Dauch Paper Co

HgX: Mercury Products—William M Stieh & Co

HSC #13: Plasticizers—Harwick Standard Chem Co

H S R: Resins, Synthetic—Hartman-Leddon Co

H T: Clays, Coating—Edgar Bros Co

HT-44: Desizing Agents—Takamine Lab

HTH: Bleaches, Laundry, Calcium Hypochlorite—Mathieson Chem Corp

HTH-15: Products—Mathieson Chem Corp

HAEUSER'S: Products—Haeuser Shellac Co

HAISS: Products—George Haiss Mfg Co

HALOWAX: Additives, Wax—Halowax Products Div, Union Carbide & Carbon Corp

HALOWAX: Naphthalene, Chlorinated—Union Carbide & Carbon Corp

HAMICO: 910: Sizes, Textile—Haas-Miller Corp

HAMMERCAST: Finishes, Bake—Yarnall Paint Co

HAMMERTONE: Products—Maas & Waldstein Co

HAMONDTANK: Products—Hammond Iron Works

HAMPDEN: Products—Hampden Color & Chem Co

HANCOCH: Products—Manning Maxwell & Moore

HANDIBELT: Conveyors, Portable—Standard Conveyor Co

HANDI-GRIP: Valves, Carbon Dioxide Cylinder—Kerotest Mfg Co

HANDI-PLATE: Hot Plates—Precision Scientific Co

HANDIPLIERS: Conveyors, Portable—Standard Conveyor Co

HANDY: Valves, Gate—Lukenheimer Co

HANDY-FLUX: Silver Fluxes, Brazing—Handy & Harman

HANDY-HANDLER: Conveyors, Belt, Portable—Belt Corp

HANK BRAND: Filter Paper—Jacoby-Tarbox Corp
HANNA: Products—Hanna Engrg Works
HANOVER: Clays, Refractory—United Clay Mines Corp
HANSA: Pigments—General Dyestuff Corp
HANSLICK: Soap, Mechanics'—Solar Products Co
HARBRONZE: Casting, Bronze—Arthur Harris & Co
HARD BOILED HATS: Hats & Caps, Protective—E D Bullard Co
HARDSET: Cements, Bristle Setting—H V Hardman Co
HARFLEX 500: Plasticizer, Vinyl—Hardesty Chem Co
HARLECO: Chemicals, Analytical Reagent—Hartman-Leddon Co
HARRIS: Floats, Metal—Arthur Harris & Co
HARVESTONE: Silos, Glass-lined—A O Smith Corp
HARVEX: Accelerators, Rubber—Harsyd Chem
HASCROME: Rod & Tube, Extruded—Linde Air Products Co
HASTELLOY: Rods, Welding—Linde Air Products Co
HAWK-EYE: Products—Hawk Eye Compound Co
HAYNES STELLITE: Rods, Hard-Facing—Linde Air Products Co
HAZACORD: Cables, Electric—Okonite Co
HAZEN: Materials Handling Box—Jervis B Webb Co
HEART OAK: Belting, Power Transmission—Graton & Knight Co
HEAT-DRI: Products—Pope & Gray
HEATMASTER: Products—Combustion Engrg-Suerheater
HEGAGE: Controls, Combustion—ESS Instrument Co
HEGAMINE: Products—Synthetic Chem
HEILAC: Products—Heil Process Equipment Corp
HEILEX: Products—Heil Process Equipment Corp
HELINDON: Dyes, Vat—General Dyestuff Corp
HELIO: Color Lakes—General Dyestuff Corp
HELIFLOW: Products—Graham Mfg Co
HELIOGEN: Pigments—General Dyestuff Corp
HELIOZONE: Inhibitors, Sun Checking— E I Dupont de Nemours & Co, Organic Chem Dept, Rubber Chem Div
HELIX: Products—Newport Industries
HELMERCO: Lakes—Calco Chem Div
HENNESSY: Products—Old Empire Mfg Chemists
HENNIG PURIFIER: Products—Columbia-Southern Chem Corp
HEPTEEN BASE: Accelerators, Rubber—Naugatuck Chem Div
HEPTLLYS: Cinnamic Aldehyde—Naugatuck Aromatics
HERCOFLEX: Plasticizers—Hercules Powder Co
HERCOLYN: Esters, Rosin—Hercules Powder Co
HERCOSE: Esters, Cellulose—Hercules Powder Co
HERCOSOL: Solvents, High Boiling—Hercules Powder Co
HERCULES: Boxes, Carboy—National Box & Lumber Co
HERIARC: Arc-Welding Apparatus, Inert Gas—Shielded-Linde Air Products Co
HERMETIK: Pumps, Centrifugal—Atlantic Pump Corp
HERTOLAN: Assistants, Bleaching—General Dyestuff Corp
HEVI DUTY: Products—Hevi Duty Elec Co
HEVYTECK: Oil, White Mineral—Pennsylvania Refining Co
HEXADOW: Benzene Hexochloride Formulations—Dow Chem Co
HEXOGEN: Products—Advance Solvents & Chem Corp
HEXOL: Removers, Paint & Varnish—Slater-Robbins Co
HEX-TEX: Belts, V—Allis-Chalmers Mfg Co
HI GLO: Products—Western States Lacquer Co
HI TONE: Liquids, Synthetic—Utility Chem Co
HIBITITE: Inhibitors, Acid Pickling—Monsanto Chem Co, Organic Chem Div
HICALCIUM PHOSPHATE: Calcium Enrichment—Victor Chem Wks
HICAST: Refractories—Denver Fire Clay Co
HIDACHROMES: Dyes, Chrome—Hilton-Davis Chem Co
HIDACIDS: Dyes, Acid—Hilton-Davis Chem Co
HIDACOS: Dyes, Basic—Hilton-Davis Chem Co
HI-DENSITY: Feeders, Paper Stock Pumps—Allis-Chalmers Mfg Co
HIFIRE: Brick, Refractory—Denver Fire Clay Co
HI-FUSE: Controls, Motor—Elec Machy Mfg Co
HI-GAM: Benezene, Hexachloride—Pennsylvania Salt Co
HIGGINS: Products—Higgins Ink Co
HIGH NITROGEN: Casein—Sheffield Farms Co, Chemurgic Div
HIGH pH: Casein—Sheffield Farms Co, Chemurgic Div
HIGH SPEED: Fluxes—E I Du Pont de Nemours & Co, Grasselli Chem Dept
HIGH-TEN: Fluxes, Soldering—Industrial Service Labs
HI-GLO: Detergents, Synthetic—Mitchell Feis
HI-GLOSS: Products—Pope & Gray
HILCO: Products—Hilliard Corp
HILLMAN: Clays, China—United Clay Mines Corp
HILLS-McCANNA SAUNDERS: Valves, Diaphragm—Hills-McCanna Co
HI-LO: Pumps, Condensation Return—Yeomans Bros Co
HILTONAPHTHOLS: b-Naphthol—Hilton-Davis Chem Co
HILTONIL: Color Bases, Fast—Hilton-Davis Chem Co
HILTOSALS Color Salts, Fast—Hilton-Davis Chem Co
HIPPURAN: Urinary Diagnosis—Mallinckrodt Chem Wks
HI-SIL: Products—Columbia-Southern Chem Corp
HISOLV: Solvents, Petroleum—Pennsylvania Industrial Chem Corp
HI-SPEED: Centrifuges—Precision Scientific Co
HITEC: Salts, Heat Transfer—E I Du Pont de Nemours & Co, Explosives Dept
HI-WHITE R: Clays—J M Huber Corp
HOEPNER: Machines, Sewing—Consolidated Packaging Machy Corp
HOFFCO-VAC: Cleaners, Vacuum—U S Hoffman Machy Corp
HOFFMAN: Products—U S Hoffman Machy Co
HOLDFAST: Pastes, Library—Scriptex Products Co
HOLM: Scales, Automatic—Miller Wrapping & Sealing Mach Co
HOLO-FLITE: Exchangers, Heat—Western Precipitation Corp
HOLTITE: Brazing Metals, Granulated—American Brass Co
HOMER: Separators, Magnetic—Homer Mfg Corp
HOMO: Furnaces—Leeds & Northrup Co
HOMOCRAB: Furnaces—Leeds & Northrup Co
HONANA-CRANE: Filters, Plating—Honan Crane Corp
HONAN-CRANE: Filters, Oil—Honan Crane Corp
HONEYCOMB: Tubes, Filter—Commercial Filters Corp
HONEYWELL: Switches, Mercury—Minneapolis-Honeywell Regulator Co, Micro Switch Div
HOOKER WHITE: Acid, Muriatic—Hooker Electrochem Co
HORMOESTER: Herbicides—Miller Products Co
HORMOIL: Herbicides—Miller Products Co
HORMOKIL: Herbicides—Miller Products Co
HORMONITRO: Herbicides—Miller Products Co
HORMOSALT: Herbicides—Miller Products Co
HORMOTOX: Herbicides—Miller Products Co
HORSE HEAD: Products—New Jersey Zinc Sales Co
HORTIGARD ®: Insecticides, Garden—Thompson-Hayward Chem Co
HOT SHOT: Pumps, Condensation Return—Yeomans Bros Co
HOT-R-COLD: Lacquers, Wood—V J Dolan & Co
HOUDAILLE: Products—Honan Crane Corp
HUDSON: Products—Kuehne Chem Co
HUDSON FLINT: Silica—United Clay Mines Corp
HU-GLUE: Glue, Liquid Animal—Hughes Glue Co
HUMBLE: Products—Humble Oil & Refining Co
HUMECTOL: Wetting Agents—General Dyestuff Corp
HUMIDRY: Dehumidifiers, Portable—Carrier Corp
HUM-MER: Screens, Vibrating—W S Tyler Co
HUNTINGTON: Products—Huntington Labs
HUNTOLENE: Polish, Floor—Huntington Labs
HU-REZ: Glue, Resin—Hughes Glue Co
HURON: Cements, Builders'—Cutler-Magner Co
HUVINAC: Polyvinyl Acetate Emulsion—Hukill Chem Corp
HYAMINE: Products—Rohm & Haas Co
HYATT: Bearings, Roller—Gen Motors Corp, Hyatt Bearings Div
HY-CAP: Colors, Dry—E I Du Pont de Nemours & Co, Pigments Dept
HYCAR AMERICAN RUBBER: Products—B F Goodrich Chem Co
HY-CASE: Protein Hydrolysate—Sheffield Farms Co, Chemurgic Div
HYCHOL: Products—Robinson-Wagner Co
HYCOFLEX: Glues—Standard Glue Co
HYDRAPHTAL: Degreasing Compounds—E I Du Pont de Nemours & Co, Organic Chem Dept
HYDRATEX R: Clays—J M Huber Corp
HYDRA-TONE: Cleaners, Metal—Foy Electro-Chem Co
HYDRAUCONE: Pumps, Two-Stage—Allis-Chalmers Mfg Co
HYDRAULISCOPE: Analyzers, Pressure—Aeroquip Corp
HYDREX: Cleaners, Metal—Foy Electro-Chem Co
HYDREX: Products—Hewitt-Robins
HYDRHOLAC: Emulsions, Lacquer—Rohm & Haas Co
HYDRITE: Extenders, Pigment—Georgia Kaolin Co
HYDRO: Products—Chem Mfg Sales Co
HYDROBREAK: Products—Diamond Alkali Co
HYDROCAR: Anti-Soot Compounds—Superior Chem Wks
HYDROCLEAN: Products—Plunkett Chem Co
HYDROCONE: Crushers—Allis-Chalmers Mfg Co
HYDRODARCO: Carbon, Activated—Darco Dept, Atlas Powder Co
HYDRO-FINISH: Impact Blasting—Pangborn Corp
HYDRO-FLO: Exchangers, Heat—Bell & Gossett Co
HYDROFOL: Fatty Acids, Hydrogenated—Archer-Daniels-Midland Co
HYDROGARDE: Extinguishers, Fire—Pyrene Mfg Co
HYDROGEL: Wetting Agents—General Dyestuff Corp
HYDROILICS: Hydraulic Equipment—Denison Engrg Co
HYDROJET: Ash Handling Systems—Allen-Sherman-Hoff Co
HYDROL: Products—Reilly-Whiteman-Walton Co
HYDROLAL ®: Chemicals, Aromatic—Givaudan-Delawanna
HYDROLIFT: Dust Preventatives, Water Displacing—London Chem Co
HYDRO-MAGMA: Magnesium Hydroxide—Whittaker, Clark, & Daniels
HYDRON: Dyes, Vat—General Dyestuff Corp
HYDROPEL: Finishes, Textile—Commonwealth Color & Chem Co
HYDRO-SAND BLAST: Blasters, Hydraulic—Pangborn Corp
HYDROSEAL: Abrasives, Pump—Allen-Sherman-Hoff Co
HYDRO-SHEAVE: Couplings, Hydraulic—Twin Disc Clutch Co
HYDROVAC: Collectors, Dust—Allen-Sherman-Hoff Co
HYDRO-WYND:Products—Twin Disc Clutch Co
HYDROXY: Products—Kail Mfg Co
HYDRYER: Dryers, Gas— J F Pritchard & Co
HYFAC: Fats, Hydrogenated—Emery Industries
HYGLO: Paints—Impervious Paint & Varnish Co
HYGRADE WORM: Drives, Gear—Foote Bros Gear & Mach Co
HYGROLIT: Products—Kearney Mfg Co
HYKOTAR: Disinfectants—Gerson Stewart Corp
HYLANOL ®: Chemicals, Aromatic—Givaudan-Delawanna
HY-LIFT: Lift Mechanisms—Baker-Raulang Co
HY-NIDE: Liquid Nitriding—Heatbath Corp
HYPERSONIC: Uutrasonic Equiment, Brush—Brush Development Co
HYPO-CHLOR: Products—Industrial Colloids & Chem
HYPOL: Shrink-Proofing Agents—Heyden Chem Corp
HYPORICE: Rice Crystals, Soda Hyposulfite—Mallinckrodt Chem Wks
HY-POWER: Products—Hannifin Corp
HYPOWER WORM: Drives, Gear—Foote Bros Gear & Mach Co
HY-SOL: Detergents—Thompson-Hayward Chem Co
HYSOL: Products—Patent Chem
HY-SPEED: Products—Alsop Engrg Corp
HYSTER: Materials Handling Equiment—Hyster Co
HY-TEMP: Burners, Laboratory—Precision Scientific Co
HYTEMPITE: Cements, Brick—Qiugley Co
HY-TEX: Cleaners—Barton Chem Co
HYTHERM: Products—Patent Chem
HYTORK: Motors, Synchronous—Allis-Chalmers Mfg Co
HYTROL: Cleaners—Fuld Bros

IBA: Isobornyl Acetate—Chemical Insecticide Corp
IBM: Roofings—Benjamin Foster Co
IPC NO 20E: Herbicides—Miller Products Co
IPC NO 50W: Herbicides—Miller Products Co
IXL: Gears—Foote Bros Gear & Mach Co
IBEROLS: Textile Specialties—A Harrison & Co
IBERPELS: Water Repellents, Textile—A Harrison & Co
IBERSCOUR: Detergents—A Harrison & Co
ICE SAVERS: Conditioners, Ice—Dearborn Chem Co
ICESTIK: Glue, Label—Paisley Products
ICHTHYMALL: Ammonia Icthosulphonate—Mallinckrodt Chem Wks
ICHTHYNAT: Ichthammoly—Hyden Chem Corp
ICY-FLO: Accumulators—McQuay Inc
IDEAL: Cups, Grease—Lunkenheimer Co
IDEAL: Products—Florida Agricultural Supply Co
IGAS: Sealing Compounds—Sika Chem Corp
IGENAL: Dyes, Leather—General Dyestuff Corp
IGEPAL: Surface Active Agents, Non-Ionic—General Dyestuff Corp
IGEPAL: Surface Active Agents, Non-Ionic—Antara Products Div
IGEPON: Detergents—General Dyestuff Corp
IGEPON: Surface Active Agents (Anionic)—Antara Products Div
ILLIN: Red Colors, Dry, Litho!—Sherwin-Williams Co
ILLINOIS CHEMICAL PORCELAIN: Illinois Elec Porcelain Co
ILLIUM: Products—Illium Corp
IMINCO: Barytes—Industrial Minerals
IMMEDIAL: Dyes, Sulphur—General Dyestuff Corp
IMMUNOL: Anti-Rusting Compounds—Hass-Miller Corp
IMP MILL: Mills, Grinding—Combustion Engrg-Superheater
IMPERIAL: Clays, Ball—United Clay Mines Corp
IMPERIAL: Resins—Hercules Powder Co
IMPERMEX: Drilling Muds, Oil-Well—Baroid Sales Div
IMPERVIOUS: Products—Impervious Paint & Varnish Co
IMPERVITE: Graphite, Impervious—Falls Industries
IMPERVO: Brick—Hanley Co
IMPOIL: Oils—Impoil Co
IMPREGNOLE: Water Repellents, Textile—Warwick Chem Co Div
IMPROVOL: Transformers, Oil Inhibitor—Koppers Co
IMTRALS: Products—Synthetic Chem
IMTRAMIME: Products—Synthetic Chem
INCELOID: Products—American Products Mfg Co
INCO: Products—International Nickel Co
INCOLOY: Alloys, Heat Resisting—International Nickel Co
INCONEL: Alloys, Nickel—Chromium—International Nickel Co
INDALONE: Repellents, Insect—U S Industrial Chem
INDANTHERENE: Dyes, Vat—General Dyestuff Corp
INDIGOLITE: Discharges, Indigo—Jacques Wolf & Co
INDO CARBON: Dyes, Sulphur—General Dyestuff Corp
INDOIL: Acids, Cresylic—Indoil Chem Co
INDOINE: Dyes, Basic—General Dyestuff Corp
INDONEX: Plasticizers—Indoil Chem Co
INDOPOL: Polybutenes—Indoil Chem Co
INDRALATUM: Wax, Paraffin—Industrial Raw Materials Corp
INDRAPAR: Wax, Paraffin—Industrial Raw Materials Corp
INDRAPET: Petrolatum—Industrial Raw Materials Corp
INDRAWAX: Wax, Microcrystaline—Industrial Raw Materials Corp
INDRAWET: Sulphonates, Alkyl Aryl—Industrial Raw Materials Corp
INDUBOND: Products—Industrial Lining Engrs
INDULINE: Dyes, Acid—General Dyestuff Corp
INDU-SEALZ: Rubber Compounds—Naugatuck Chem Div
INDUSTRIAL: Products—Industrial Colloids & Chem
INDUSTRIAL CARBURETOR: Mixers, Gas & Air—C M Kemp Mfg Co
INDUSTROL: Dryers—Industrol Corp
INDUSTRY SPRAY: Insecticides, Farm—Miller Products Co
INERT GAS PRODUCER: Generators, Inert Gas— C M Kemp Mfg Co
INERTOL: Coatings, Bituminous—Inertol Co
INKOWAX: Wax, Carnauba, Substitute—Cornelius Products Co
INKOWAX: Waxes, Synthetic—General Wax Refg Co
INKSOLV: Solvents, Ink—Industrial Chem Specialties Co
INLAND: Drums—Inland Steel Container Co
INSA-LUTE: Products—Sauereisen Cements Co
INSECTISAN-5: Insecticides—Ampion Corp
INSECTI-SOL: Spray Bases, Fly—Pennsylvania Refining Co
INSTO-GAS: Torches—Insto Gas Corp
INSTRU-MOUNT: Dampers, Vibration—Eberbach Corp
INSULAG: Cements, Insulating—Quigley Co
INSULBOND: Products—Industrial Lining Engrs
INSULPLAST: Cements, Electrical Resisting—Atlas Mineral Products Co
INSUTUBE: Insulating Materials, Heat—Union Asbestos Rubber Co
INTERCHEM: Dyes—Interchem Co
INTERCHEMICAL: Viscosimeters—Precision Scientific Co

INTENSARC: Carbon Welding—National Carbon Co
INTER-JOINT: Glassware, Laboratory—Scientific Glass Apparatus Co
INTERNATIONAL: Centrifuges—International Equipment Co
INTERNATIONAL: Equipment, Process—International Engrg Corp
INTERNATIONAL: Products—International Engrg
INTERNATIONAL: Products—Republic Metals Co
INTERNATIONAL METAL TREATING PROCESSES: Rust Removers—Tesco Chem
INTERPLANE: Grinders, Attrition—Allis-Chalmers Mfg Co
INTRACOL: Products—Synthetic Chem
INTRASOL: Sequestering Agents—General Dyestuff Corp
INVINCIBLE: Wheels, Cloth Polishing—Hanson-Van Winkle-Munning Co
IODEIKON: Gall Bladder Diagnosis—Mallinckrodt Chem Works
IOFLOW: Potash Iodide—Mallinckrodt Chem Wks
IOMAG: Potash Iodide & Magnesium—Mallinckrodt Chem Wks
IONOL®: Anti-Oxidants—Shell Chem Corp
IRALDEINE: Methyl Ionone—Maywood Chem Works
IRISOL: Dyes, Acid—General Dyestuff Corp
IRISONE: Ionone—Givaudan-Delawanna
IRONTON ALSET: Refractories—Ironton Fire Brick Co
IRONTON CAVALIER: Refractories—Ironton Fire Brick Co
IRONTON PEERLESS: Refractories—Ironton Fire Brick Co
IRONTON REFCOAT: Refractries—Ironton Fire Brick Co
IRONTON STEEL: Refractories—Ironton Fire Brick Co
IROX: Products—Reichard-Coulston Inc
ISATRON: Spectrometers, Mass—Consolidated Engr Corp
ISCO GLOSS: Products—Innis, Speiden & Co
ISCOSPRAY: Insecticides—Innis, Speiden & Co
ISOCEL: Bauxites, Insomerization Catalyst—Attapulgus Clay Co
ISO-LAN: Bases, Absorption—Goldschmidt Chem Corp
ISOLAROMES: Products—C E Ising Corp
ISOLENE: Rosin Products—National Rosin Oil Products
ISOLINE: Products—Woburn Chem Corp
ISOMALT®: Chemicals, Aromatic—Givaudan-Delawanna
ISOPROL: Herbicides—Miller Products Co
ISOSTYRE: Products—Woburn Chem Corp
ISOTHANE: Products—Onyx Oil & Chem Co

J & C SHREDDERS: Refiners, Highspeed—Jackson Church Co
J & C ZENITH: Machinery, Dewatering—Jackson & Church Co
JD: DDT—John Powell & Co
JH-1: Lamps, Mercury Vapor—Westinghouse Electric Corp
J-M: Glues, Stripping—Paisley Products
J-M: Products—Goetze Gasket & Packing Co
J-M: Products—Johns-Manville
JABSCO: Pumps—Jabsco Pump Co
JACKLIFT: Trucks—Lewis-Shepard Products
JACKSTACKER: Trucks—Lewis-Shepard Products
JACKTRACTOR: Trucks—Lewis-Shepard Products
JACO: Spectrophotometers—Jarrell-Ash Co
JANITROL: Equipment, Space Heating—Surface Combustion Corp
JANUS: Dyes, Basic—General Dyestuff Corp
JASMOPHORE: Perfume—Firmenich & Co
JEFFREY-TRAYLOR: Conveyors, Vibrating—Jeffrey Mfg Co
JEL OIL "E": Emulsions, Drilling—Magnet Cove Barium Corp
JEL OIL MUD: Drilling Muds, Oil Base—Magnet Cove Barium Corp
JELLITAC PASTE: Pastes—Arthur S Hoyt Co
JERGUSON: Gauges—Jerguson Gage & Valve Co
JET MILLED: Pigments—Mineral Pigments Corp
JETBLAK: Cements, Plastic—Ruberoid Co
JETFLEX: Joints, Expansion—Cook Elec Co
JETVEYOR: Pneumatic Systems, Steam Operated—Brady Conveyors Corp
JEV: Products—Vejin Inc
JIFFIX: Fixing Bath—Mallinckrodt Chem Works
JIFFY: Rockers, Carboy—Hanson-Van Winkle-Munning Co
JIGRIT: Washers, Sewage—Jeffrey Mfg Co
JOINT-SEALZ: Rubber Compounds—Naugatuck Chem Div
JOMKO: Products—Republic Metals Co
JORCO: Products—Jordan Co
JUPITER GUM: Adhesives, Dextrine, Dry—Paisley Products
JUST: Disinfectants—Fuld Bro

K: Fittings, Pipe—Kuhns Bros Co
K-B: Products—Broadway Rubber Corp
K-B: Oil, Sulfonated, Neatsfoot—Kehew-Bradley Co
K-B: Pastes—Knefler Bates Co
K-C: Oils, Threading—Key Co
KCS: Clays, Coating—Georgia Kaolin Co
K-F: Chemicals, Organic—Kay-Fries Chem
K-K: Soap Powders—Mitchell Fels
KP-21: Plasticizers—Ohio-Apex
KP-23: Plasticizers—Ohio-Apex
KP-120: Plasticizers—Ohio-Apex
KP-140: Plasticizers—Ohio-Apex
KP-201: Plasticizers—Ohio Apex
KP-504: Plasticizers—Ohio-Apex
KP-555: Plasticizers—Ohio-Apex
KABLE KORD: Belting, Power Transmission—U S Rubber Co
KABO: Cements—Maurice A Knight
KAISER: Products—Kaiser Aluminum & Chem Sales
KALI: Oils—Kali Mfg Co
KALITE: Insecticides—Kalo Co
KALITE®: Products—Diamond Alkali Co
KALKARB: Calcium Carbonate—Smith Chem & Color Co
KALPER: Switches—Minneapolis-Honeywell Regulator Co, Micro Switch Div
KALPINOLS: Penetrants & Wetting Agents—Kali Mfg Co
KALYE: Cleaners, Metal—Rumford Chem Works
KAM: Detergents, Dairy—Westvaco Chem Div
KAMENITE: Soap Powders—Kamen Soap Products Co
KAME-N-KLEEN: Soap Powders—Kamen Soap Products Co
KAMENOL: Soap Powders—Kamen Soap Products Co
KAMEX C: Soap Powders, Oils, Vegetable—Kamen Soap Products Co
KAMEX R: Soap Powders, Oils, Vegetable—Kamen Soap Products Co
KANDAR: Finishes, Textile—Naugatuck Chem Div
KANTFRAY: Adhesives—H I Thompson Co
KAOLLOID: Clays, Pulverized-Airfloated—Thompson, Weinman Co
KAPSOL: Plasticizers—Ohio-Apex
KARAGAMI: Wax, Japan—Concord Chem Co
KARROPAIC: Gasketing Material, Vegetable Fiber—Felt Products Mfg Co
KASIL: Potassium Silicate—Phila Quartz Co
KATAPOL: Detergents—General Dyestuff Corp
KATES: Flow Control Devices—Wakates Co
KATHABAR: Air Conditioning Equipment—Surface Combustion Corp
KATHON: Weed Killers—Rohm & Haas Co
KATIGEN: Dyes, Sulphur—General Dyestuff Corp
KATTUOL: Products—Kraft Chem Co
KAY SPRAY: Soap Powders—Kamen Soap Products Co
KAYDON: Bearings—Kaydon Engrg Corp
KAYLO K-SEGS: Insulating Materials, Heat—Owens-Illinois Glass Co
KAYMIDE: Products—Kraft Chem Co
KAYMOL: Products—Kraft Chem Co
KAYNIDE: Products—Kraft Chem Co
KAYTONE: Fumigants—Kay-Fries Chem
KELCO: Oils, Motor—Keystone Lubricating Co
KELCOLOID: Propylene Glycol Alginate—Kelco Co
KELCOSOL: Sodium Alginate—Kelco Co
KEL-F: Rods, Tubings, Sheets & Machined Parts—Resistoflex Corp
KELGIN: Sodium Alginate—Kelco Co
KELLEY'S: Insecticides, Household—Solvit Chem Co
KELLIN: Products—Spencer Kellogg & Sons
KELLOGG: Refractories—Electro Refractories & Abrasives Corp
KELLOGG-AMERICAN: Compressors, Air & Spray Guns, Paint—American Brake Shoe Co
KELLUNDITE: Products—Electro Refractories & Abrasives Corp
KELLY: Pressure Filters—Oliver United Filters
KELLY ISLAND: Lime (Hydrated)—Cutler-Magner Co
KELMAR: Potassium Alginate—Kelco Co
KELTEX: Sodium Alginate—Kelco Co
KELTROL: Products—Kellog Spencer & Sons
KELUBE: Triisopropanolamine Alginate—Kelco Co
KEL-X-L: Products—Spencer Kellogg & Sons
KELXOLOID: Propylene Glycol Alginate—Kelco Co
KEM: Products—Sherwin-Williams Co
KEM: Products—Kem Products Co
KEM GLO: Enamel, Household—Sherwin-Williams Co
KEM TONE: Paint, Resin-Emulsion—Sherwin-Williams Co
KEMICK: Paints, Heat Resistant—American Chem Paint Co
KEMIFECTANT: Disinfectants—Kemiko Mfg Co
KEMI-KAL: Surface Hardeners, Concrete—Sullivan Co
KEMIKO: Products—Kemiko Mfg Co
KEMIQUAT: Quarternary Ammonium Compounds—Kemiko Mfg Co
KEMITITE: Coatings, Asphalt—Electro Chem Supply & Engrg Co
KEMO: Detergents—Kem Labs
KEMO: Products—Electro Chem Engrg & Mfg Co
KEM-O-DRY: Solvents, Metal Degreasing—Detrex Corp
KEMOX: Sealing Compounds—Sika Chem Corp
KEMROCK: Sinks, Laboratory, Table tops, Laboratory—Kewaunee Mfg Co
KEMSOLENE: Thinners, Paint, Varnish, Lacquer—American Mineral Spirits Co
KEMTHERM: Sinks, Laboratory—Kewaunee Mfg Co
KEMULSION BASES: Emulsifiers—Kem Products Co
KENDEX: Resins—Kendall Refining Co
KENNEDY: Extractors, Solvent—Vulcan Copper & Supply Co
KENNEDY: Products—Kennedy Car Liner & Bag Co
KENSOL: Solvents—Kendall Refining Co
KEPECO: Products—Kepec Chem Corp
KEPOLAC: Lacquers, Leather—Kepec Chem Corp
KEPOLENE: Adhesives—Kepec Chem Corp
KERLOW: Floorings—Kerlow Steel Flooring Co
KEROTEST: Valves—Kerotest Mfg Co
KERLU: Lubricants, Wool—Maher Color & Chem Co
KESSCO: Products—Kessler Chem Co
KETOSOL: Solvents—Carbide & Carbon Chem Co
KEY: Paste, Graphite—Key Co
KEY CAP: Products—Key Co
KEYDRAW: Products—Keystone Lubricating Co
KEYLUBRIC: Products—Keystone Lubricating Co
KEYSTONE: Abrasives—Keystone Emery Mills
KEYSTONE: Ammonium Carbonate—American Agricultural Chem Co
KEYSTONE: Brick, Refractory—North American Refractories Co
KEYSTONE: Kilns, Shaft—Hardinge Co
KEYSTONE: Products—Keystone Lubricating Co
KEYSTONE WHITE: Calcium Carbonate—Thompson, Weinman Co
KEY-TITE: Products—Key Co
KIDDE: Detectors, Smoke—Walter Kidde & Co
KIDNEY OIL: Rosin Products—National Rosin Oil Products
KIEBOL: Assistants, Kier—Eastern Color & Chem Co
KIERELENE: Detergents, Textiles—Perkins Soap Co
KILLANT: Products—Nowlin Co
KILLRAT: Pentachlorophenol—Nowlin Co
KILLROACH: Calcium Chloride—Nowline Co
KIMGEL: Carragheen Extracts—Krim-Ko Corp
KING: Brick, Refractory—North American Refractories Co
KING: Manometers—King Engrg Corp
KING: Transmitters, D P—King Engrg Corp
KING GAGES: Gages, Hydrostatic Liquid Level—King Engrg Co
KING OF THE ROOF: Products—Mobile Paint Mfg Co
KING-CLIP: Valves, Gate—Lunkenheimer Co
KINGSLEY: Clays, China—United Clay Mines Corp
KINNEY: Pumps—Kinney Mfg Co
KIRKSITE: Products—Morris P Kirk & Son
KIRKSON: Babbitt Metal—Morris P Kirk & Son
KLEANROL: Fluxes, Soldering—E I Du Pont de Nemours & Co, Grasselli Chem Dept
KLEEN FOAM: Products—Burns Allen Co
KLEEN-FIL: Drums—Inland Steel Container Co
KLEENFLO: Clays, Activated—L A Salomon & Bro
KLEEN-GLO: Cleaners, Floor—Kleen-Glo Chem Corp
KLEEN-KOTE: Paints—National Casein Sales
KLEENSOLV: Thinners, Cleaning—Potter Paint Co
KLEEN-STIK: Cement, Rubber—Craftint Mfg Co
KLEENWELL Soaps—Chicago Sanitary Products Co
KLEER: Products—Damon Chem Co
KLEERITE: Products—American Writing Ink Co
KLEK PUMICE: Soaps—Colgate-Palmolive-Peet Co
KLENZINE: Cleaners, Drain Pipe—Plunkett Chem Co
KLICK: Hand Soap, Powdered—Utility Chem Co
KLINGER REFLEX: Glasses, Gages—Jerguson Gage & Valve Co
KLIPFEL: Valves—Hamilton Thomas Corp
KLONDYKE: Clay—Edgars Bros Co
KLORLENE: Products—Davies-Young Soap Co
K-MASTER: Steam Traps, Air Traps, and Valves—Kaye & McDonald
K-MASTER KLEEN: Filters, Air—Kaye & MacDonald
KNEADERMASTER: Mixers—Patterson Foundry & Mach Co
KNIGHT: Carbon Black—Witco Chem Co
KNIGHTROBOND: Cements—Maurice A Knight
KOGLUKATE: Choline Compound—Penray Corp
KOLDPRUF: Anti-Freeze—Cities Service Oil Co
KOLKER: Products—Kolker Chem Works
KOLLAMINE: Assistants, Vat Printing—General Dyestuff Corp
KOLOC: Resin Compositions—Naugatuck Chem Div
KONCENTRIK: Fittings—Special Screw Products Co
KONSEAL: Curing Compounds, Concrete—Sullivan Co
KONSET: Waterplug Plasticizers, Concrete—Sullivan Co
KONTITE: Cement Paints, Portland—Sullivan Co
KOOL BRITE: Products—Mobile Paint Mfg Co
KOOLPORE: Abrasives, Grinding—Bay State Abrasive Products Co
KOOL-WAIV: Fans, Axial—International Engrg
KOPOL: Copals, Processed—Reichhold Chem
KORALOY: Coatings, Alakali-Proof—Atlas Mineral Products Co
KORDA: Gaskets, Teflon—Chicago Gasket Co
KOREON: Products—Mutual Chem Co of America
KORESIN: Tackifiers, Rubber—Amera Products Div
KORESIN: Tackifiers, Rubber—General Dyestuff Corp
KOREZ: Cements, Acid-Proof—Atlas Mineral Products Co
KOREZITE: Coatings, Acid-Proof—Atlas Mineral Products Co
KORITE: Asphaltum—Standard Oil Co
KORKER: Products—Mobile Paint Mfg Co
KORLON: Gaskets, Plastic—Chicago Gasket Co
KOSMINK: Carbon Black—United Carbon Co
KOSMOBILE: Carbon Black—United Carbon Co
KOSMOBILE HM: Carbon Black—United Carbon Co
KOSMOS: Carbon Black—United Carbon Co
KOSMOS 20: Carbon Black—United Carbon Co
KOSMOS 40: Carbon Black—United Carbon Co
KOSMOS 50: Carbon Black—United Carbon Co
KOSMOS F-4: Carbon Black—United Carbon Co
KOSMOS VOLTEX: Carbon Black—United Carbon Co
KOTOL: Resin Solutions—Naugatuck Chem Div
KOTTONER: Machinery, Cotton Wadding—Consolidated Packaging Machy Corp
KOVERFLOR: Paints, Chlorinated Rubber—Standard Varnish Wks
KOVERSTAIN: Products—Bradshaw-Praeger & Co
KRAFT: Bags, Valve, Paper—Kraft Bag Corp
KRAFT: Papers, Wrapping—Gulf State Paper Corp
KRAFT: Products-Oil—Kraft Inc
KRAFTILE: Clay Products, Structural—Kraftile Co
KRALAC: Plastics—Naugatuck Chem Div
KRALASTIC: Extruding Compounds—Naugatuck Chem Div
KRANE CAR: Cranes—Silent Hoist & Crane Co
KRAYSTAY: Stabilizers—Phenix Pabst-Ett Co
KREELON: Sodium Alkyl Arylsulfonate—Wyandotte Chem Corp
KREMOL: Oils, Sulfonated—Sherwood Refining Co
KREMULSO: Disinfectants—Thompson-Hayward Chem Co
KRENITE: Fungicides, Garden—E I Du Pont de Nemours & Co, Grasselli Chem Div
KRIM-KOGEL: Carragheen Extracts—Krim-Ko Corp
KRIM-KOVIS: Carragheen Extracts—Krim-Ko Corp
KROMFAX: Solvents—Carbide & Carbon Chem Co
KRONISOL: Plasticizers—Ohio-Apex
KRONITEX: Plasticizers—Ohio-Apex
KULENE 131: Bromotrifluoromethane—Eston Chem
KUPRATE: Mildew Preventives, Textile—Warwick Chem Co Div

KUTWELL: Oils, Cutting (Soluble)—Humble Oil & Refining Co
KUTWELL: Oils, Cutting (Soluble)—Penola Oil Co
KWIK-GRIP: Tape, Carpet Seaming—Naugatuck Chem Div
KWIKSTRIP: Paint Strippers, Non-Inflamable—London Chem Co

S-L: Products—Clinton Foods
20-L: Products—Clinton Foods
L-4008: Products—Clinton Foods
L-BO: Products—Moore & Son
LABEL-WELD: Adhesives—F G Findley Co
LACCO: Chemicals, Industrial—Los Angeles Chem Co
LACKEROFF SOAP: Soaps, Liquid—Potter Paint Co
LACKERSOLY: Thinners, Paint, Varnish, Lacquer—Potter Paint Co
LACTOL SPIRITS: Solvents, Petroleum—American Mineral Spirits Co
LADEX: Lubricants, Extreme Pressure—Penola Oil Co
LADY ASTER: Products—Cosmetic Mfg Supply Co
LA-FRANCE: Extinguishers, Fire—American LaFrance Foamite Corp
LAMINAC: Resins, Laminating—American Cyanamid Co
LANACID: Acid, Lanolic—Robinson-Wagner Co
LANAFIN: Emulsifiers, Textile—Standard Chem Product
LANAMIDE: Amides, Lanolic Acid—Robinson-Wagner Co
LANAMINE: Amines, Lanolic Acid—Robinson-Wagner Co
LANCO: Products—Arthur S La Pine & Co
LANDEN QUALITY: Putty, Acid-Resistant—Landen Putty Works
LANGSENKAMP: Products—F A Langsenkamp Co
LANOCERIN: Waxes, Lanolin—Robinson-Wagner Co
LANOGENE: Lanolin—Robinson-Wagner Co
LANSCO: Products—Landers-Segal Color Co
LANSELITE: Products—Landers-Segal Color Co
LAPP DULSAFEEDER: Pumps, Proportioning—Lapp Insulator Co
LARVABROME: Fumigants—Innis, Speiden & Co
LARVACIDE: Fumigants—Innis, Speiden & Co
LASTACITE: Products—Fuld Bros
LATHOGENE: Chemicals, Cosmetic—R F Revson Co
LATITE: Mortars, High Temperature—Denver Fire Clay Co
LATOL: Oils, Tall—Arthur C Trask Co
LAUNDER-OMETER: Equipment, Laboratory—Atlas Elec Devices Co
LAUNDRAZYME: Laundry-Aids—Wallerstein Co
LAUNDRITE: Products—Clinton Foods
LAURATONE (R): Chemicals, Aromatic—Givaudan-Delawanna
LAUREX: Rubbers—Naugatuck Chem Div
LAURINE (R): Hydroxycitronellal—Givaudan-Delawanna
LAUXEIN: Glue, Casein—Monsanto Chem Co, Plastics Div & Western Div
LAUXITE: Glues, Resin—Monsanto Chem Co, Western Div
LAUXITE: Melamine—Monsanto Chem Co,, Plastics Div
LAUXTEX: Paints, Casein—Monsanto Chem Co, Western Div
LAUXTOL A: Preservatives, Wood—Monsanto Chem Co, Western Div
LAVAPOL: Detergents—General Dyestuff Corp
LAVEKOL: Spot-Proofing Compounds—General Dyestuff Corp
LAWLAC: Substitutes, Shellac—Cornelius Products Co
LAWLAC: Substitutes, Shellac—General Wax Refg Co
LAWRENCE: Pumps—Lawrence Mach & Pump Corp
LAYKOLD: Paints—American Bitumuls Co
LAYTON: Clays, China—United Clay Mines Corp
LEADLEAF: Metals—Metalead Products Corp
LEATHAFLEX: Cements, Leather—Paisley Products
LECITE: Products—Electro Chem Supply & Engrg Co
LECTROBREATHER: Breathers, Storage Tank—Pittsburgh Lectrodryer Corp
LECTRODRYER: Dehumidifiers—Pittsburgh Lectrodryer Corp
LEE MOOR: Clays, China—Hammill & Gillespie
LEICA: Equipment, Photo—E Leitz
LEITZ: Products—E Leitz
LENOCAL: Strippers, Textile—General Dyestuff Corp
LEONIL: Leveling Agents, Textile—General Dyestuff Corp
LEOPHEN: Assistants, Mercerizing—General Dyestuff Corp
LESLIE: Regulators, Temperature—Leslie Co
LESLIE-TYFON: Products—Leslie Co
LETHANE: Insecticide Concentrates, Synthetic (Organic)—Rohm & Haas Co
LETHERAY: Lamps, Germicidal—Hanovia Chem & Mfg Co
LEUCOPHOR LU: Dyes, Fluorescent—Sandoz Chem Works
LEUCOTROPE: Discharge Agents, Textile—General Dyestuff Corp
LEUKANOL: Tanning Agents, Synthetic—Rohm & Haas Co
LEVELER: Eliminators, Ramp—Service Caster & Truck Corp
LEVEL-TROL: Controls, Liquid Level—Fisher Governor Co
LEVENOL: Leveling Agents, Dye—Standard Chem Products
LEVERLIFT: Trucks, Lift—Service Caster & Truck Corp
LEVERPAK: Drums, Fibre—Continental Can Co
LEWISOL: Resins—Hercules Powder Co
LEXONE: Insecticide Bases (Synthetic)—E I Du Pont de Nemours & Co, Grasselli Chem Dept
LIBERTY: Planers—Hamilton Thomas Corp
LIBERTY: Products—New Process Metals
LIFETIME: Aluminum & Chromium Products—Reynolds Metals Co
LIFETIME: Separators, Magnetic—Sprout Waldron & Co
LIFT-KING: Trucks—Yale & Towne Mfg Co
LIFT-PLUG: Valves—Cameron Iron Works
LIFTRUK: Trucks, Lift—Silent Hoist & Crane Co

LIGHTING CHLORDANE: Insecticides—World Spray Co
LIGHTING PYRENONE: Insecticides—World Spray Co
LIGHTNIN: Mixers—Mixing Equipment Co
LIGHTNING ROTEX: Insecticide Concentrates—World Spray Co
LIGNASAN: Fungicides—E I Du Pont de Nemours & Co, Grasselli Chem Dept
LIGNOCOL: Anti-Spanning Agents—Heyden Chem Corp
LIGNOSITE: Calcium Lignin Sulfonate—Puget Sound Pulp & Timber Co
LIGNOTITE: Glues, Casein—Paisley Products
LIGNOTOX: Preservatives, Wood—Paisley Products
LIGNOX: Drilling Muds, Oil-Well—Baroid Sales Div
LILY: Acids, Stearic—Emery Industries
LIMA: Drives—Lima Elec Co
LINASAX: Bags—Chase Bag Co
LINDANO: Insecticides, Garden—Miller Products Co
LINCOLNWELD: Apparatus, Welding—Lincoln Elec Co
LINDE: Products—Linde Air Products Co
LINDEX (R): Lindane—Thompson-Hayward Chem Co
LINDOL HF: Products—Celanese Corp of America
LINDOL: Plasticizers—Celanese Corp of America
LINE-O-POWER: Drives, In-Line—Foote Bros Gear & Mach Co
LINSOLEUM: Cleaners—Bram Chem Co
LIN-X: Varnishes—Sherwin-Williams Co
LION BINDER: Core Compounds—J S McCormick Co
LIPAL: Glycol Ester, Nonionic Polyethylene—E F Drew & Co
LIPOCAPS: Products—Lakeside Labs
LIPOLIQUID: Products—Lakeside Labs
LIPOTROPIC: Products—Lakeside Labs
LIQUID ENVELOPE: Coatings—Better Finishes & Coatings
LIQUID HYDRALDEHYDE: Zinc Sulfoxylate Formaldehyde—Watson-Park Co
LIQUID RESINS SS: Stiffeners, Textile—Onyx Oil & Chem Co
LIQUIDEPTH: Gauges, Liquid, Level—Liquidepth Indicators
LIQUIDTILE: Products—Impervious Paint & Varnish Co
LIQUI-JECTOR: Liquid Removal from Air and Gas (Filters, Air)—Selas Corp of America
LIQUILAN: Lanolin—Robinson-Wagner Co
LISTAZYME: Enzymes—Silas & Co
LITEDUL: Products—Seaboard Industries
LITETECK: Oils, White Mineral—Pennsylvania Refining Co
LITHOL: Pigments—General Dyestuff Corp
LITTLE DUCHESS: Laundry Bluing—Calco Chem Div
LITTLE GIANT: Pumps, Sump—Chicago Pump Co
LITTLE LIFTER: Elevators, Portable—Economy Engrg Co
LITTON: Pumps, Vacuum—Litton Industries
LIVE OAK: Hoses, Steam—Pioneer Rubber Mills
LIXATE: Dissolvers—International Salt Co
LIXOL: Cleaners, Metal—Cowles Chem Co
LOAD KING: Hoists—Yale & Towne Mfg Co
LOAD-GRAB: Equipment, Materials Handling—Hyster Co
LO-BAX: Bactericides, Chlorine—Mathieson Chem Corp
LOBAX-21: Bactericides, Chlorine—Mathieson Chem Corp
LO-BLAST: Burners, Gas—Mid-Continent Metal Products Co
LOCALLITES: Machine Tool Local Lights—Fostoria Pressed Steel Corp
LOCK MESH: Screens, Industrial—Colorado Fuel & Iron Corp
LOCK-EASE: Products—American Grease Stick Co
LOGAN: Conveyors—Logan Co
LOK-TWIST: Fittings, Wire—Colorado Fuel & Iron Corp
LOMAR: Dispersing Agents—Jacques Wolf & Co
LOMAX: Products—Frank B Lomax Co
LONCOTERGE: Products—London Chem Co
LONGHORN: Oils—South Texas Cotton Oil Co
LONGINE: Soaps, Liquid—Southern Textile Chem Corp
LONGO: Wetting Agents—London Chem Co
LOROL: Products—E I Du Pont de Nemours & Co, Grasselli Chem Dept, Polychem Dept
LOTOL: Latices, Compounded—Naugatuck Chem Div
LOUISVILLE: Dryers, Rotary—Gen American Transportation Corp
LOUPOLE: Scouring Compounds—Jacques Wolf & Co
LOVEJOY: Couplings, Flexible—Lovejoy Flexible Coupling Co
LOVEJOY-DIX: Joints, Universal—Lovejoy Flexible Coupling Co
LOVEJOY-IDEAL: Pulleys, Variable Speed—Lovejoy Flexible Coupling Co
LO-VIS-LAC: Lacquers, Wood—Reliance Varnish Co
LOW-HEAD: Products—Allis Chalmers Mfg Co
LOX-ALL: Adhesives—Lox Mfg Co
LOX-SEAL: Products, Cement—Lox Mfg Co
LOXITE: Cements, Rubber—Firestone Tire & Rubber Co
LOYAL: Cleaners, Paint—Royal Soap & Chem Co
LUBE WELL: Cutting Compounds—G Whitfield Richards
LUBE-A-TUBE: Drawing Compounds—G Whitfield Richards
LUBREX: Lubricants, Mold—Harwick Standard Chem Co
LUBRIGUN: Grease Guns, Power Operated—Lincoln Engrg Co
LUBRIPLATE: Greases—Fiske Bros Refining Co
LUCIDOL: Benzoyl Peroxide—Novadel-Agene Corp, Lucidol Div
LUCITE: Cements, Acid-Proof—Electro Chem Engrg & Mfg Co
LUCITE: Products—E I Du Pont de Nemours & Co, Polychem Dept
LUDIGOL: Assistants, Kier—General Dyestuff Corp
LUDOX: Silica—E I Du Pont de Nemours & Co, Grasselli Chem Dept
LUMENITE: Products—Lumenite Electronic Co
LUMERCINE: Assistants, Mercerizing—Jacques Wolf & Co
LUMETRON: Colorimeters, Photoelectric—Photovolt Corp
LUNKENHEIMER: Products—Lunkenheimer Co
LUPERCO: Peroxide Compounds, Organic—Novadel-Agene Corp, Lucidol Div

LUPEROX: Peroxide Pastes, Organic—Novadel-Agene Corp, Lucidol Div
LUPERSOL: Peroxide Solutions, Organic—Novadel-Agene Corp, Lucidol Div
LUPOGUM: Finish-Stiffeners—Jacques Wolf & Co
LUPUMIX: Products—Jacques Wolf & Co
LUPOSEC: Water Repellents—Jacques Wolf & Co
LUSTARITE: Products—Mobile Paint Mfg Co
LUSTRA VEL: Softeners, Textile—Mellin Chem
LUSTRAL: Enamels—Sherwin-Williams Co
LUSTREX: Polystyrene—Monsanto Chem Co, Plastics Div
LUSTRO-KLEEN Soaps—Slater-Robbins Co
LUSTRONE: Products—Rohm & Haas Co
LUXSTAR: Paints, Waterproofing—Ceresit Waterproofing Corp
LYCEDAN: Products—Schwarz Labs
LYKOPON: Sodium Hydrosulfite—Rohm & Haas Co
LYT-ALL: Coatings, Wall—Pratt & Lambert

M: Products—Clinton Foods
MBT: Accelerators, Rubber—Naugatuck Chem Div
MBTS: Accelerators, Rubber—Naugatuck Chem Div
MCC: Fluxes, Hydrazine Soldering—Mathieson Chem Corp
M D: Pigments, Metal—Metals Disintegrating Co
M D A: Acid, Methylene Disalicylic—Heyden Chem Corp
M F R: Sugar of Milk—National Milk Sugar Co
MGK "264": Insecticide Concentrates, Synthetic—McLaughlin, Gormley King Co
ML: Lubricants, Mold—Marco Chem
M L S: Mucilage—Paisley Products
M O D X: Accelerators, Rubber—C P Hall Co
MABROS: Deodorants, Paper—Phillips Scientific Labs
MACCUT: Cutting Compounds, Metal—Macco Products Co
M P S-500: Plasticizers, Vinyl—Hooker Electrochem Co
MRM: Products—MRM Co
MT U: Brick, Silica—North American Refractories Co
MAC DRAW: Drawing Compounds, Metal—Macco Products Co
MACK-FLEX: Products—Macklin Co
MAGCUBAR: Barytes—Magnet Cove Barium Corp
MAGENTA: Dyes, Basic—General Dyestuff Corp
MAGIC-GRIP: Products—Allis-Chalmers Mfg Co
MAGICO: Insecticides, Household—Spesco Wholesale Hardware Co
MAGLITE-D: Magnesium Oxide—Whittaker, Clark & Daniels
MAGLITE-M: Magnesium Oxide—Whittaker, Clark & Daniels
MAGNA-DADH: Autoclaves, Magnetically Stirred—Autoclave Engrs
MAGNAFLAKE: Metals—Magna Mfg Co
MAGNAFLO: Separators, Magnetic—U S Hoffman Machy Corp
MAGNESOL: Adsorbents—Westvaco Chem Div
MAGNETRON: Gauges, Liquid Level—Rochester Mfg Co
MAGNILASTIC: Joints, Expansion—Cook Elec Co
MAGNORITE: Brick, Refractory—Norton Co
MAGNOSPALL: Refractories—Electro Refractories & Abrasives Corp
MAJESTIC: Wheels, Canvas Polishing—Hanson-Van Winkle-Munning Co
MAJOR: Lubricators, Automatic—Lunkenheimer Co
MALITE: Resins, Maleic—G A Wharry & Co
MALLOPHENE: Antiseptics, Urinary—Mallinckrodt Chem Wks
MALLORY: Waterproofing Agents, Textile—Textile Proofers
MALTESE CROSS: Hose—Hewitt-Robins
MAMARONECK: Waxes, Vegetable—Mamaroneck Chem Corp
MAMIC: Products—Moore & Munger
MANASITE: Explosives—Atlas Powder Co
MANHATTAN: Rubber—Raybestos-Manhattan
MANNOPOL: Oils, Sardine, Chemically Treated—Pacific Vegetable Oil Corp
MANOMETER: Barometers—Emil Greiner Co
MAPROFIX: Products—Onyx Oil Chem Co
MAPROMOL: Textiles, Finishes & Softeners—Onyx Oil Chem Co
MAPCO: Products—Michel & Pelton
MAPLEAROME: Products—Florasynth Labs
MAPRO DEGUM POWDER A: Scouring Compounds, Textile—Onyx Oil & Chem Co
MAPROFIX: Products—Onyx Oil Chem Co
MAPRUMOL: Textiles, Finishes & Softeners—Onyx Oil
MAPROTEX: Boil-Off Compounds—Onyx Oil & Chem Co
MARBLETTE: Resins, Phenolic—Marblette Corp
MARBON: Resins, Synthetic—Borg-Warner Corp
MARCO: Equipment, Materials Handling—E F Marsh Engrg Co
MARCONYL: Nylon Compounds—Maher Color & Chem Co
MARCUFIX: Fixatives, Dye—Maher Color & Chem Co
MARCY: Products—Mine & Smelter Supply Co
MARDOL: Oils, Tanning—Marden-Wild Corp
MARIE ANNETTE: Products—Cosmetic Mfg Supply Co
MARINE: Cups, Grease—Lunkenheimer Co
MARLATE: Insecticides—E I Du Pont de Nemours & Co, Grasselli Chem Dept
MARLO: Packings, Metallic—Marlo Co
MAR-NOT: Varnishes—Sherwin-Williams Co
MARVANOL: Specialties, Textile—Marlowe-Van Loan Corp
MARVINOL: Resins, Polyvinyl Chloride—Naugatuck Chem Div
MASHALT: Products—Fuld Bros
MASHEEN: Products—Fuld Bros
MASKIT: Deodorants, Paint—Aromatic Products
MASKOL: Deodorants—Van Dyk & Co
MASONEILAN: Products—Mason Neilan Regulator Co
MASSCO: Crushers & Controls—Mine & Smelter Supply Co

MASSCO-FAHRENWALD: Machinery, Flotation—Mine & Smelter Supply Co
MASSCO-GRIGSBY: Valves, Rubber Lined—Mine & Smelter Supply Co
MASSCO GY-ROLL: Crushers, Reduction, Laboratory—Mine & Smelter Supply Co
MASS-FLO: Conveyors, Elevator—Jeffrey Mfg Co
MASTER MIX: Feeds & Concentrates, Poultry & Livestock—McMillen Feed Mills of Texin
MASTOLYN: Resins—Hercules Powder Co
MATAWAN: Cleaners and Solvents—Hanson-Pan Winkle-Munning Co
MATEER ELECTRIC FILLER: Filling Machines, Electric—G Diehl Mateer & Co
MATHEWS: Conveyors, Apron—Mathews Conveyors Co
MAXI-POWER HELICAL: Drives, Gear—Foote Bros Gear & Mach Co
MAXITATE: Mannitol Hexanitrate—R J Strasenburgh Co
MAY: Products—Otto B May
MAYDON: Wetting Agents—Maywood Chem Works
MAYFAIR: Products—Bell Co
MAYVAT: Products—Otto B May
MAZIC BRIGHT: Process, Zinc Plating—Hanson-Van Winkle-Munning Co
McCULLY: Crushers, Gyratory—Allis-Chalmers Mfg Co
McDOUGALL: Furnaces, Roasting—Allis-Chalmers Mfg Co
McKINLEY: Clays, Enamelers'—United Clay Mines Corp
MEAD: Fulp Beaters, Laboratory—Bauer Bros Co
MEARL FOAM 5: Fire Extinguisher Charges—Mearl Corp
MEARLMAID: Pearl Essence—Mearl Corp
MEDIALAN: Fulling Compounds—General Dyestuff Corp
MELBA WAX: Carnauba, Substitute—Avon Trading Co
MELCOPON: Detergents, Synthetic—Mellin Chem
MELEINE: Antifume—Jacques Wolf & Co
MELETRON: Switches, Pressure Actuated—Barksdale Valve Co
MELHI: Resins—Hercules Powder Co
MELMAC: Resins—American Cyanamid Co
MELSAN: Fungicides, Lumber—E I Du Pont de Nemours & Co, Grasselli Chem Dept
MELURAC: Adhesives, Resin—American Cyanamid Co
MEL-VET: Soaps, Liquid—Fuld Bro
MENTOR: Detergents, Synthetic—Colgate-Palmolive-Peet Co
MERAC: Accelerators, Latex, Water-Soluble—Sharples Chem
MERCEROL R: Assistants, Mercerizing—Sandoz Chem Works
MERCHEN: Feeders, Constant Weight—Wallace & Tiernan
MERCLOR: Sodium Hypochlorite—Merrimac Div, Monsanto Chem Co
MERCO: Products—Merchants Chem Co
MERCO-DRI: Adsorbents, Oil & Grease—Merchants Chem Co
MERCO-PHOS: Sodium Polyphosphate—Merchants Chem Co
MERCO-SOLV: Trichloroethylene—Merchants Chem Co
MERC-TO-MERC: Controls, Temperature—Precision Scientific Co
MERCUHYDRIN: Products—Lakeside Labs
MERCURY: Counters, Electric—Production Instrument Co
MERGAMMA: Fungicides, Seed—Chipman Chem Co
MERIT: Valves, Diaphragm—Emmett Mach & Mfg
MERITROL: Machines, Counting—Emmett Mach & Mfg Co
MERLON: Finishes, Textile—Merrimac Div, Monsanto Chem Co
MERPENTINE: Scouring Compounds—E I Du Pont de Nemours & Co, Organic Chem Dept
MERPHENYL: Phenyl Mercuric—Hamilton Labs
MERPOL: Assistants, Kier—E I Du Pont de Nemours & Co, Organic Chem Dept
MERSIZE: Sizings (Paper & Textile)—Merrimac Div, Monsanto Chem Co
MERSOL: Solvents, Proprietary—Merrimac Div, Monsanto Chem Co
MERSOLITES: Phenyl Mercuric Acetate—F W Berk & Co
MERTANOL: Tanstuffs, Synthetic—Merrimac Div, Monsanto Chem Co
MERTAX: Accelerators, Rubber—Monsanto Chem Co, Organic Chem Div
MERTHASAN: Accelerators, Rubber—Monsanto Chem Co, Organic Chem Div
MERTONE: Products—Merrimac Div, Monsanto Chem Co
META FLOW: Valves, Diaphragm-Metal—Powers Regulator Co
METALAB: Laboratory, Equipment—Metalab Equipment Corp
METALAN: Dyes, Chrome—General Dyestuff Corp
METALATE: Products—Diamond Alkali Co
METALEAD: Bases, Grease—Metasap Chem Co
METALEAD: Products—Metalead Products Corp
METALITE ZATEX: Lacquers, Textile—Atlas Powder Co, Industrial Finishes Dept
METALLAC: Zinc Stearate—Metasap Chem Co
METALLO: Gaskets—Metallo Gasket Co
METALOX: Filings, Iron and Steel—Ceresit Waterproofing Corp
METALSIUM METALLIC: Hardeners, Concrete—Ceresit Waterproofing Corp
METALUSTRE: Products—Maas & Waldstein Co
METAMETER: Products—Bristol Co
METAMUL: Products—Reilly-Whiteman-Walton Co
METAPERM: Lacquers—Atlantic Chem Co
METASAP: Soaps, Metallic—Metasap Chem Co
METAVANE: Equipment, Pneumatic Transmission—Bristol Co
METAVIS: Grease Bases—Metasap Chem Co
METERFLO: Pumps, Rotary—Cherry-Burrell Corp
METHACROL: Resins, Synthetic Dispersions—E I Du Pont de Nemours & Co, Organic Chem Dept
METHANITE: Adsorbents—Floridin Co
METHAZATE: Accelerators, Rubber—Naugatuck Chem Div
METHIACIL: Products—Schwarz Labs
METHOCEL: Methylcellulose—Dow Chem Co
METHOXO: Insecticides, Garden—Miller Products Co
METHYL CHEMOSEPT: Preservatives—Chemo Puro Mfg Co
METLAK: Products—Pope & Gray
METSO: Detergents Metasilicate—Philadelphia Quartz Co
METSO 99: Detergents, Sesquisilicate—Philadelphia Quartz Co
METSO GRANULAR: Sodium Silicate—Philadelphia Quartz Co of Cal
MICATEX: Drilling Muds, Oil-Well—Baroid Sales Div
MICH-A-LAC: Products—Grand Rapids Varnish Corp
MICHELENE: Surface Active Agents (Non-Ionic)—M Michel & Co
MICHIGAN: Products—Michigan Chem Corp
MICROCOP: Fungicides, Garden—Miller Products Co
MICRO-CRATER: Sulfur, Agricultural—Miller Products Co
MICRO-FAST: Chrome Green, Permanent—Sherwin-Williams Co
MICRO-FEEDER: Products—Proportioneers Inc
MICROGEL: Fungicides, Copper—Tennessee Corp
MICRO-LATCH: Terminals, Separable—Minneapolis-Honeywell Regulator Co, Micro Switch Div
MICRO-LIMIT: Switches, Precision Limit—Minneapolis-Honeywell Regulator Co, Micro Switch Div
MICROLIN: Disinfectants, Hypochlorite—Dehls & Stein
MICROMAX: Recorders—Leeds & Northrup Co
MICRONE: Products—National Biochemical Co
MICRONIC: Refills for Oil Burners—Purolator Products
MICRONIZED: Products—Pittsburgh Plate Glass Co
MICRO-NU-COP: Copper Sulphate, Basic—Faesy & Besthoff
MICROPOROUS PORCELAIN: Filters—Selas Corp of America
MICROROLD: Steel—Washington Steel Corp
MICRO-SET: Controls, Temperature—Precision Scientific Co
MICRO-TEX: Colors, Dry, Red—Sherwin-Williams Co
MICROTRIP: Controls, Safety Device—Minneapolis-Honeywell Regulator Co, Micro Switch Div
MICROVOLT: Products—Rubicon Co
MID-CO: Heaters, Gas—Mid-Continent Metal Products Co
MID-CONTINENT: Heaters, Gas—Mid-Continent Metal Products Co
MIDGET KING: Hoists, Electric—Yale & Towne Mfg Co
MIDWEST: Coils—Midwest Piping & Supply Co
MIFFLIN: Products—Mifflin Chem Co
MIGHTY MIDGET: Furnace, Electrical—K H Huppert Co
MIKRO-ATOMIZER: Atomizers—Pulverizing Machy Co
MIKRO-COLLECTOR: Collectors, Dust—Pulverizing Machy Co
MIKRO-PULVERIZER: Pulverizers—Pulverizing Machy Co
MILADE: Products—Reilly-Whiteman-Walton Co
MILBAN: Mildrew Preventives, Textile—E I Du Pont de Nemours & Co, Grasselli Chem Dept
MILDEW PREVENTATIVE NO 1: Products—E I Du Pont de Nemours & Co, Organic Chem Dept
MILLER'S: Insecticides—Miller Products Co
MILLICAL (®): Products—Diamond Alkali Co
MILLI-MIKE: Products—Fuld Bro
MILMER: Fungicides—Monsanto Chem Co, Organic Chem Div
MINALITH: Fireproofing Compounds, Wood—American Lumber & Treating Co
MINERALITE: Mica—Mineralite Sales Corp
MINILINE: Miniature Indicating & Control Units—Bailey Meter Co
MINIPUMP: Pumps, Midget—Milton Roy Co
MINNESOTA TESTED: Paint Products—Minnesota Paints
MIN-RICH: Mineral Concentrates, Trace—Thompson-Hayward Chem Co
MINUCLEIN: Products—Schwarz Labs
MIPOL: Products—Moore & Munger
MIRACLE: Soaps, Dry-Cleaning—Industrial Colloids & Chem
MIRAGENE: Detergents, Synthetic—Miranol Chem Co
MIRANOL: Detergents, Synthetic—Miranol Chem Co
MIRAPON: Detergents, Synthetic—Miranol Chem Co
MIRASOL: Resins, Alkyd—C J Osborn Co
MIROTO: Inks, Rotogravure—Gotham Ink & Color Co
MISCH METAL: Cerium (Metal)—Cerium Metals Corp
MISSISSIPPI: Products—Mississippi Lime Co
MIST-BLO: DDT—Chemical Insecticide Corp
MIST-BLO-26R: DDT—Chemical Insecticide Corp
MIST-D-FIER: Scrubbers, Gas—Stearns-Roger Mfg Co
MISTRAP: Scrubbers, Gas—J F Pritchard & Co
MITCO GRATING: Floorings, Iron & Steel—Hendrick Mfg Co
MOBILGREASE: Petroleum Products—Gen Petroleum Corp
MOBILOIL: Petroleum Products—Gen Petroleum Corp
MODEL: Products—Port Huron Detergent Co
MODEL S: Machinery, Label—Economic Machy Co
MODEL T F: Furnaces, Muffle—Precision Scientific Co
MODINE: Coils—Modine Mfg Co
MODULEX (HMF): Carbon Black—J M Huber Corp
MOELLER: Products—Moeller Instrument Co
MOISTOL: Penetrants, Textile—Standard Chem Products
MOISTURIMETER: Moisture Test Apparatus—Scientific Glass Apparatus Co
MOLLESCAL: Wetting Agents—General Dyestuff Corp
MONAD-G: Detergents, Synthetic—Colgate-Palmolive-Peet Co
MONARCH: Beltings, Conveyor—Hewitt-Robins
MONARCH: Clays, China—United Clay Mines Corp
MONARCH: Products—Monarch Mfg Co Works
MONARCH: Products—Wasco Engrg Corfp
MONARCH: Wheels, Duck Polishing—Hanson-Van Winkle-Munning Co
MONEL: Alloys, Nickel-Copper Corrosion Resisting—International Nickel Co
MONEND: Electrodes, Stainless—Arcoa Corp
MONEX: Accelerators, Rubber—Naugatuck Chem Div
MONITOR: Counters, Machine—Production Instrument Co
MONO THIURAD: Accelerators, Rubber—Monsanto Chem Co, Organic Chem Div
MONOBOGGLE: Goggles, Safety—Willson Products
MONOBOLT: Products—Graham Mfg Co
MONOBROMANTIN: 3-Bromo-5, 5-Dimethylhydantoin—Arapahoe Chem
MONOCHROME: Dyes, Chrome—General Dyestuff Corp
MONOCILLIN: Penicillin—Schenley Labs
MONOGOL: Glycols, Ethylene & Propylene (Mixed)—Wyandotte Chem Corp
MONOFYE: Products—Linick Chemical Co
MONOHEARTH: Incinerators—Nichols Engrg & Research Corp
MONOPENTEK: Monopentaetythritol—Heyden Chem Corp
MONOPOL: Oil, Double Sulfonted—Jacques Wolf & Co
MONSANTO: Retardants, Fire—Monsanto Chem Co, Phosphate Div
MONSANTO DETERGENT MXP: Detergents, Synthetic—Monsanto Chem Co, Phosphate Div
MONSANTO SALT: Intermediates, Dye—Monsanto Chem Co, Organic Chem Div
MONTAR: Resins, Synthetic—Monsanto Chem Co, Phosphate Div
MONTY WAX: Wax, Montan, Synthetic—Witco Chem Co
MoPaCO: Products—Mobile Paint Mfg Co
MORAX: Products—Moore & Munger
MOREHOUSE: Mills, Speedline—Morehouse Industries
MORITE BRAND: Products—Whittemore-Wright Co
MORRACCO: Finishes, Wrinkle—Kay & Ess Co
MORSE HY-VO: Drives, Chain—Morse Chain Co
MORSE MORFLEX: Couplings, Flexible—Morse Chain Co
MOSKENE(®): Musk, Synthetic—Givaudan-Delawanna
MOTHLURO: Products—Miller Products Co
MOTH-TOX: Insecticides, Household—Rex Research Corp
MOTOREDUCERS: Reducers, Speed—Falk Corp
MOTORMATIC: Mechanisms for Turbine Runners—Allis-Chalmers Mfg Co
MOTOWLIFT: Trucks, Fork Lift—Service Caster & Truck Corp
MOUNT VERNON: Cloth (Cotton), Filter—Turner & Halsey Co
MOUNTAIN: Products—Mountain Copper Co
MULLFRAX: Products—Carborundum Co
MULSIFYRE: Extinguishers, Fire—Grinnell Co
MULSOR: Products—Synthetic Chem
MULTICIDE: DDT—McLaughlin Gormley King Co
MULTICLONE: Dust Collectors, Centrifugal—Western Precipitation Corp
MULTI-DUTY: Filters, Air, Automatic Self-Cleaning—American Air Filter Co
MULTIFEX(®): Products—Diamond Alkali Co
MULTILEAF: Filters, Leaf—Multi Metal Wire Cloth Co
MULTIPLATE: Plates, Frame Press—Multi Metal Wire Cloth Co
MULTIPLE UNIT: Furnaces—Hevi Duty Elec Co
MULTIPOINT: Recorders, Strip Chart—Wheelco Instruments Co
MULTIPRESS: Presses, Hydraulic—Denison Engrg Co
MULTI-SPEED: Mixers, Change Can—Allied Steel & Equipment Co
MULTI-VATOR: Elevators, Buckets—Beaumont Birch Co
MULTI-WASH: Collectors, Dust—Claude B Schneible Co
MULTIWAX: Wax, Petroleum—Petroleum Specialties
MURCO: Products—B J Murray Mfg Co
MURO-ROC: Products—A Adler & Son
MURPHY: Lacquers, Wood—Interchem Corp
MURPHY PROCESS: Soaps & Cleaners—Murphy's Oil Soap Co
MURPHY PRODUCTS: Lubricants, Rubber—Phoenix Oil Co
MUSK TIBETENE(®): Musk, Synthetic—Givaudan-Delawanna
MUSK ZIPATA(®): Musk (Neutral)—Givaudan-Delawanna
MYCOBAN: Sodium Propionate—E I Du Pont de Nemours & Co, Polychem Dept
MYLASE: Enzymes—Wallerstein Co
MYSTIC: Fat Liquors—Kehew-Bradley Co
MYVALUVE: Lubricants, Fine Instrument—Distillation Products Industries
MYVAPACK: Vitamin A Concentrates—Distillation Products Industries
MYVASEAL: Materials, Gasketing—Distillation Products Industries Div
MYVAX: Vitamin A (Synthetic)—Distillation Products Industries
MYVEROL: Monoglycerides, Distilled—Distallation Products Industries

N: Sodium Silicate—Philadelphia Quartz Co
N-B-M: Babbitt Metals—American Brake Shoe Co
NC: Termite Killers—E I Du Pont de Nemours & Co Grasselli Chem Dept
NCF PASTE: Resins—Onyx Oil & Chem Co
NEM: Cloths, Filter—National Filter Media Corp
NGDA ANTIOXIDANT: Anti-Oxidants—William J Stange Co
N-GLO 5Y: Varnishes, Rosin—Newport Industries
NJ: Equipment, Cartoning—N J Mach Corp
NJ CONTROL: Equipment, Numbering—N J Mach Corp
NMD: Valves—Lunkenheimer Co

NNO: Paracitic ides, Agricultural—Atlas Powder Co
NNOP: Paracitic ides, Agricultural—Atlas Powder Co
NNOR: Paracitic ides, Agricultural—Atlas Powder Co
NSAE: Dispersing Agents, Textile—Onyx Oil & Chem Co
NU-M: Manganese Sulfate—Tennessee Corp
NU-Z: Zinc Sulphate Monohydrate—Tennessee Corp
N-Z-AMINE: Protein Hydrolysate—Sheffield Farms Co, Chemurgic Div
N-Z-CASE: Protein Hydrolysate—Sheffield Farms Co, Chemurgic Div
N-Z-TONE: Protein Hydrolysate—Sheffield Farms Co, Chemurgic Div
NACCO: Products—National Chem Co
NAF-SOL: Solutions, Naphtha—Augusta Chem Co
NAIROIL: Burners, Oil—National Airoil Burner Co
NALCITE: Resins, Ion Exchange—National Aluminate Corp
NALCO: Boiler Feed Water Treatment—National Aluminate Corp
NALCOLITE: Zeolites—National Aluminate Corp
NAM-A-LAC: Products—Mobile Paint Mfg Co
NAMOLD: Plastics, Fabrication & Engineering—National Molded Piping Distributors
NAPENTA: Preservatives, Wood—Miller Products Co
NAPHTHO: Naphthalene—Naphthalene Products Co
NAPHTHOL MINERAL SPIRITS: Solvents, Petroleum—American Mineral Spirits Co
NAPHTYLAMINE: Dyes, Acid—General Dyestuff Corp
NAPOLEUM: Naphthas, Cleaner's—Deep Rock Oil Corp
NARCAL: Brick, Refractory—North American Refractories Co
NARCO: Brick, Refractory—North American Refractories Co
NARCOBOND-L: Mortars, High Temperature—N American Refractories Co
NARCOBOND-S: Mortars, High Temperature—North American Refractories Co
NARCOCRETE: Refractories—North American Refractories Co
NARCOLINE: Refractories—North American Refractories Co
NARCOLITE: Refractroies—North American Refractories Co
NARCOSET: Mortars, High Temperature—North American Refractories Co
NARCO-SIL: Mortars, High Temperature—North American Refractories Co
NARSIL: Brick, Silica—North American Refractories Co
NASH: Products—Nash Engrg Co
NATAC: Chemicals, Rubber—J M Huber Corp
NATIONAL: Carbon—National Carbon Co
NATIONAL: Dynamites—National Powder Co
NATIONAL: Hose, Grease—Metal Hose & Tubing Co
NATIONAL: Products—National Milk Sugar Co
NATIONAL: Products—National Radiator Co
NATIONAL: Products—National Zinc Co
NATIONAL AER-O-FOAM 99: Extinguishers, Fire—National Foam System
NATIONAL AIROIL: Burners, Oil—National Airoil Burner Co
NATIONAL HEAVY-DUTY: Hose, Air—Metal Hose & Tubing Co
NATIONAL PROPANE-BUTANE: Hose, High Pressure—Metal Hose & Tubing Co
NATIONAL SOFT-WALL: Hose, Gasoline & Oil—Metal Hose & Tubing Co
NATIONAL SS: Hose, Air—Metal Hose & Tubing Co
NATIONAL SUPER-FLEX: Hose, Gasoline & Oil—Metal Hose & Tubing Co
NATOX: Leather Finishing—Victor Chem Wks
NAUGAROMES: Products—Naugatuck Aromatics
NAUGATEX: Products—Naugatuck Chem Div
NAUGATUCK: Plasticizers, Resin—Naugatuck Chem Div
NAUGATUCK S-1: Latex, Paint Resin—Naugatuck Chem Div
NAVEE 42: Degreasers—Penetone Co
NAXONATE: Sodium Xylenesulfonate—Wyandotte Chem Corp
NEABON: Linings, Rubber—Atlas Mineral Products Co
NEALCO: Products—Nealco-Monsanto Co
NEANTINE®: Diethyl Phthalate—Givaudan-Delawanna
NEATSANS: Products—Reilly-Whiteman-Walton Co
NEATSFOOTOL: Oil, Neatsfoot—Ottol Oil Co
NEBONY: Resins, Hyrocarbon—Neville Co
NEBULYTE: Burners, Sprays—Anthony Co
NEFF & FREY BINS: Silos, Concrete Stave—Neff & Frey Co
NEILLITE: Molding Powder, Plastic—Watertown Mfg Co
NEKAL: Surface Active Agents (Non-Ionic)—Antara Products Div
NEKAL: Wetting Agents—General Dyestuff Corp
NEOCHROME: Cromium Sulfate—Fiber Chem Corp
NEOLENE 400: Dodecyl Benzene—Sharples-Continental Corp
NEOLYN: Resins—Hercules Powder Co
NEOMERPIN: Penetrants—E I Du Pont de Nemours & Co, Organic Chem Dept
NEO-NEUTRACENE: Neutralizers, Odor—Aromatic Products
NEOPENTANE: 2, 2-Dimethylpropane—Matheson Co
NEOPONE: Detergents, Non-Ionic—Ultra Chem Works
NEOROTO: Inks, Rotogravure—Gotham Ink & Color Co
NEOSAPAN: Surface Active Agents (Non-Ionic)—Fiber Chem Corp
NEOSOL®: Alcohol, Denatured—Shell Chem Corp
NEOTOLYL: Dyes, Acid—General Dyestuff Corp
NEOWET: Wetting Agents—Royce Chem Co
NEOWHITE: Dyes, Fluorescent—Fiber Chem Corp
NEOZONE: Anti-Oxidants, Rubber—E I Du Pont de Nemours & Co, Organic Chem Dept, Rubber Chem Div
NEOZYMES: Enzymes—Royce Chem Co
NEPTUNE: Dyes, Acid—General Dyestuff Corp
NEPTUNE: Products—Neptune Pump Mfg Co
NERCO NiRO: Dryers, Spray—Nichols Engrg & Research Corp
NEROL: Dyes, Acid—General Dyestuff Corp
NEUCLEAN: Scouring Agents—Maher Color & Chem Co
NEUFUME: Fixing Agents, Textile—Onyx Oil & Chem Co
NEUSCOUR: Scouring Agents, Wool—Maher Color & Chem Co
NEUTRICH: Detergents, Non-Ionic—Siegel Chem Co
NEUTROLEUM: Deodorants—Fritzsche Bros
NEUTRONYX: Surface Active Agents (Non-Ionic)—Onyx Oil & Chem Co
NEUTROSCENT: Deodorants—Fritzsche Bros
NEVA-CLOG: Products—Multi Metal Wire Cloth Co
NEVASOTA: Oil, Creosote—Neville Co
NEVASTANE: Greases—Keystone Lubricating Co
NEVERDUST: Sweeping Compounds—Jno C F Snyder & Sons
NEVILLE: Products—Neville Co
NEVILLIAX: Resins, Phenolic Modified—Neville Co
NEVINDENE: Resins, p-Coumarone—Neville Co
NEVINOL: Oils, Plasticizing—Neville Co
NEVOLL: Compounding Materials, Rubber—Neville Co
NEVTAR: Paints, Coal Tar—Neville Co
NEW ENGLAND: Compounds, Cleaning—Hanson-Van Winkle-Munning Co
NEW PROCESS: Casein—Sheffield Farms Co
NEWARK: Equipment, Testing (Sieves)—Newark Wire Cloth Co
NEWHOUSE: Crushers, Rock and Ore—Allis-Chalmers Mfg Co
NEWTREX: Rosin, Wood—Newport Industries
NICHOLS: Burners, Coolers, Incinerators, Furnaces, etc—Nichols Engrg & Research Corp
NICHOLS FREEMAN: Classifiers & Roasters—Nichols Engrg & Research Corp
NICHOLS HERRESHOFF: Furnaces, Calcining & Drying—Nichols Engrg & Research Corp
NICHOLSON: Traps, Steam—W H Nicholson & Co
NICKELEND: Electrodes, Stainless—Arcoa Corp
NICLOY: Tubing & Pipe—Babcock & Wilcox Tube Co
NICOTROL: Carriers, Insecticide—Kay-Fries Chem
NICROBRAZ: Alloys, Brazing—Wall-Colmonoy Corp
NIELCO: Cleaners—Nielco Chem
NIEL-GOAT: Rustproofing Compounds—Nielco Chem
NIFOS: Insecticides, T—Monsanto Chem Co, Organic Chem Div
NIGROSINE: Dyes, Acid—General Dyestuff Corp
NIKROME: Oils, Cutting—Keystone Lubricating Co
NILATON 51: Finishes, Textile—Commonwealth Color & Chem Co
NILE: Dyes, Basic—General Dyestuff Corp
NINOL: Detergents—Ninol Labs
NINPHOS: Soaps—No-Name Products
NIONINE: Detergents, Non-Ionic—Amalgamated Chem Corp
NIOX: Ammonium Nitrate—E I Du Pont de Nemours & Co, Explosives Dept
NIPOCERA: Waxes, Synthetic—Cornelius Products Co
NIPOCERA: Waxes, Synthetic—General Wax Refg Co
NIRAN: Insecticides—Monsanto Chem Co, Organic Chem Div
NIRODOL: Dyes, Basic—General Dyestuff Corp
NITREX: Butadiene—Naugatuck Chem Div
NITROCOL: Dispersions, Pigments—C J Osborn Co
2-NITRODIPHENYLAMINE: Products—American Cyanamid Co
NITROFLEX: Aprons & Sleeves—Industrial Products Co
NITROMETER: Masks (Dust, Fume, Gas, Smoke, etc)—Industrial Products Co
NITRON: Cellulose Nitrate—Monsanto Chem Co, Plastics Div
NO GALL: Products—Keystone Lubricating Co
NOBATRON: D C Supplies, High Current—Sorenson & Co
NOBILGAS: Petroleum Products—Gen Petroleum Corp
NO-CAST: Compositions, Lime Buffing—Hanson-Van Winkle-Munning Co
NO-LUB: Glassware, Laboratory—Scientific Glass Apparatus Co
NO-NAME: Cleaners, Floor—No-Name Products
NON-FER-AL®: Products—Diamond Alkali Co
NON-FLUID: Products—N Y & N J Lubricant Co
NONISOLS: Emulsifiers—Alrose Chem Co
NON-RUST: Rustproofing Compounds—J W Guthrie Co
NO-ODOROL: Oil, Sulfonated—American Cyanamid Co, Industrial Chem Div
NO-OX-ID: Preventives, Rust—Dearborn Chem Co
NO-OX-ID WRAP: Coatings, Cable—Dearborn Chem Co
NOPAZ: Finishes & Lacquers—Atlas Powder Co, Industrial Finishes Dept
NOPLUG: Controllers, Travel—Baker-Raulang Co
NORANE: Water Repellents, Textile—Warwick Chem Co Div
NORBLO: Products—Northern Blower Co
NORCODAL: Graphite—Heil Process Equipment Corp
NORDSTROM: Valves—Meter & Valve Div
NORELCO: Instruments, Research & Control—North American Philips Co
NORIT: Carbon, Activated—L A Salomon & Bro
NORMA-DERMA: Products—Wm J Schepp Co
NORSTAR: Preservatives, Belt—American Lanoline Corp
NORTH-ERIE: Machines, Blending & Processing—H W North Co
NORTHOMATIC: Equipment, Mixing and Processing—H W North Co
NO-RUSTO: Paints, Rusted Metal Surface—Rudd Paint & Varnish Co
NORWAY: Anti-Freeze—Commercial Solvents Corp
NO-TARE: Tape, Gummed—Gilman Paper Co
NOTASTANE: Greases—Keystone Lubricating Co
NOVA: Oils, Textile, Wool—W A Wood Co
NOVAGENS: Colors, Azoic—Nova Chem Corp
NOVANTHRENE: Dyes, Vat—Nova Chem Corp
NOVEX: Detergents—No-Name Products
NOVIWELD: Lenses, Welding—American Optical Co
NOWLIN'S: Disinfectants, Household—Nowlin Co
NO-WYPE: Stains, Wood—Reliance Varnish Co
NOXIDE: Paints, Metal—Pratt & Lambert
NOX-INSEX: Rotenone—Thompson-Hayward Chem Co
NU FAB: Paints, Waterproofing—Adhesive Products Corp
NU GLO POWDER: Soap Blends, Optical Bleach—Legrand Chem Corp
NU STEEL: Polish, Metal—Nu-Steel Co
NUBA: Resins, Hydrocarbon—Neville Co
NUCHAR: Carbon, Activated—West Va Pulp & Paper Co
NU-FIL: Products—Grand Rapids Varnish Corp
NU-GLU: Products—National Casein Sales
NUGREEN: Fertilizers, Nitrogen—E I Du Pont de Nemours & Co, Polychem Dept
NUKAST: Products—Nukem Products Corp
NUKEM: Products—Nukem Products Corp
NUKEM SILICATE: Cements, Acid-Proof—Nukem Products Corp
NUKEMITE: Products—Nukem Products Corp
NULLAFOAM: Anti-Foaming Compounds—General Dyestuff Corp
NULLAPON: Ion-Sequestering Agents—Antara Products Div
NULLAPON: Sequestering Agents—General Dyestuff Corp
NULLMATIC: Gauges—Moore Products Co
NUMA: Assistants, Kier—General Dyestuff Corp
NUODEX: Driers, Paint & Varnish—Colo & De Graf
NURAN: Cements, Acid-Proof—Nukem Products Corp
NUREXFORM: Lead Arsenate—E I Du Pont de Nemours & Co, Grasselli Chem Dept
NUROZ: Rosins, Limed—Newport Industries
NUSCOUR: Detergents, Textile—Perkins Soap Co
NU-SOL: Detergents—Thompson-Hayward Chem Co
NU-TITE: Products—Nukem Products Corp
NYETENE: Products—Kuhne—Libby Co
NYLAC: Shellac Substitutes—Cornelius Products Co
NYLAC: Shellac Substitutes—General Wax Refg Co
NYLITON: Dyes, Acid—General Dyestuff Corp
NYTRON: Detergents, Synthetic—Pennsylvania Detergents Co
NYTRON: Products—Solvay Sales Div
ODS: Pumps, Diaphragm Slurry—Oliver United Filters
OCCONAKE: Desizing Agents—Onyx Oil & Chem Co
OCTAGON: Soaps—Colgate-Palmolive-Peet Co
OCTA-KLOR: Insecticides—Julius Hyman & Co
ODOR-LESS: Products—Wilbur-Williams Co
ODOROUT: Lamps, High Ozone—Westinghouse Electric Corp
OGDEN: Purifiers, Water—Ogden Filter Corp
OHIO: Containers, Metal—Ohio Corrugating Co
OHIO VALLEY: Products—Glover M Birk
OHOPEX: Plasticizers—Ohio-Apex
OIL-CHEM: Clothing, Plastic—Safety Clothing & Equipment Co
OILDAG: Graphite Colloidal—Acheson Colloids Corp
OIL-GAS-AROMATIC: Cements, Plastic, Coal-Tar—Portland Gas & Coke Co
OIL-SORB: Absorbents, Oil—A J Stull & Co
OILTEX: Gaskets, Vegetable Fiber—Chicago Gasket Co
OITIOIL: Oil, Oiticica—Brazil Oiticica
OKOLITE: Cables, Electric—Okonite Co
OKOVAR: Cables, Electric—Okonite Co
OLD ZANZIBAR: Enamels, Synthetic—Rudd Paint & Varnish Co
OLEATE: Oils, Tanning—Kehew-Bradley Co
OLIVER: Filters, Continuous Vacuum—Oliver United Filters
OLIVER-BEATTY: Filters, Pressure—Oliver United Filters
OLIVER-CAMPBELL: Products—Oliver United Filters
OLIVITE: Pumps, Acid Handling—Oliver United Filters
OMEGA CHEMIZER: Feeders, Belt Gravimetric—Omega Mach Co
OMEGA FLOURINDIZER: Feeders, Volumetric Disc Type—Omega Mach Co
ONDAL: Developers, Dyeing—E I Du Pont de Nemours & Co, Organic Chem Dept
ONYXOL: Detergents, Synthetic—Onyx Oil & Chem Co
ONYXSANS: Softeners, Textile—Onyx Oil & Chem Co
OPENUP: Cleaners, Drain Pipe—Ampion Corp
OPEX: Enamels—Sherwin-Williams Co
OPTIMUS: Products—Hanson-Van Winkle-Munning Co
ORAPEN: Penicillin—Schenley Labs
ORASIST: Penetrants, Textile—Commonwealth Color & Chem Co
ORATOL L-48: Detergents, Synthetic—Jacques Wolf & Co

ORELECTRIC: Cements—Orefraction Inc
ORONITE: Products—Oronite Chem Co
ORONOX: Removers, Rust—Alconox Inc
OROPON: Bates, Tanning—Rohm & Haas Co
OROTAN: Agents, Tanning, Synthetic—Rohm & Haas Co
OROX: Resins, Amid—G A Wharry & Co
ORTHOCHROM: Lacquers, Leather—Rohm & Haas Co
ORTHOCLEAR: Lacquers, Leather—Rohm & Haas Co
ORTHOLATE: Products—Diamond Alkali Co
ORTHOLITE: Resins, Leather—Rohm & Haas Co
ORTHOPHEN: Anti-Skinning Agents, Paints—Sharples Chem
OSMO KAOLIN: Clays, China—Fougera & Co
OTTASEPT: p-Chloro-m-Xylenol—Ottawa Chem Co
OXAF: Accelerators, Rubber—Naugatuck Chem Div
OXALKYD: Resins, Alkyd—G A Wharry & Co
OXALUMA: Abrasives—Cortland Grinding Wheels Corp
OXAMINE: Dyes, Direct—General Dyestuff Corp
OXIFIER: Cleaners, Mercury—Bethlehem Apparatus Co
OXWELD: Welding & Cutting Equipment & Supplies, Oxy-Acetylene—Linde Air Products Co
OXYCHOL: Lanolin—Robinson-Wagner Co
OXYDIAMINE: Dyes, Direct—General Dyestuff Corp
OXYDIAMINOGEN: Dyes, Direct—General Dyestuff Corp
OXYFUME: Fumigants—Carbide & Carbon Chem Co
OXYLITE: Bleaches, Food—Sterwin Chem
OZARK EVAPORATORS: Evaporators, Submerged Combustion—Ozark-Mahoning Co
OZLO: Zinc Oxide, Leaded—Sherwin-Williams Co
OZOTEX: Wax, Microcrystalline—L A Salomon & Bro

P-33: Carbon Black—Thermatomic Carbon Co
PA 100: Silica Gel—Davison Chem Co
PC FOAMGLASS: Insulating Materials, Heat—Pittsburgh Corning Corp
P & H: Products—Harnischfeger Corp
PIW: Waxes, Synthetic—Gen Wax Refg Co
P-K: Dry Blenders, Twin Shell—Patterson-Kelley Co
PL-24: Filters, Air, Dry—American Air Filter Co
PM: Detergents—Thompson-Hayward Chem Co
PS: Polystyrene—Chem Development Corp
PX-33: Brick, Refractory—Denver Fire Clay Co
PACEMAKER: Coolers, Unit—McQuay Inc
PACIFIC: Idlers, Belt Conveyor—Stephens-Adamson Mfg Co
PACIFIC: Pipes, Sewer—Pacific Clay Products
PACIFIC CRYSTALS: Products—Columbia-Southern Chem Corp
PACIFIC-WESTERN: Products—Western Gear Works
PACKLESS: Pumps, Acid Resisting—Allen-Sherman-Hoff Co
PACO SOLVENT 590: Products—Publicker Industries Co
PADISCOL: Alcohol, Ethyl—West Coast Chem & Solvents Corp
PADDOTT: Cotton, Padding—Johnson & Johnson
PAINTMASTER: Products—Gray Co
PAISLEY: Adhesives—Paisley Products
PAISOL: Gum Additives, Envelope—Paisley Products
PAISPEARL: Pearl Essence—Paispearl Products
PAISTEX: Cements, Latex—Paisley Products
PAISTIC: Pastes, Powder—Paisley Products
PAISTICK: Pastes—Paisley Products
PAKICE: Equipment, Icemaking—Vilter Mfg Co
PALADIN: Primers, Paint, Metal—Interchem Corp
PALATINE: Dyes, Acid—General Dyestuff Corp
PALMETTO SAND: Silica—United Clay Mines Corp
PALMOLIVE: Soap—Colgate-Palmolive-Peet Co
PANAFLEX: Plasticizers—Pan American Refining Corp
PANAPOL: Oils, Drying—Pan American Refining Corp
PANAREZ: Resins—Pan American Refining Corp
PANASOL: Solvents—Pan American Refining Corp
PANORAM: Goggles, Plastic—American Optical Co
PANTHER CREEK: Bentonite—American Colloid Co
PAR BLAST: Equipment, Blast Cleaning—Parsons Engrg Corp
PARA FLUX: Plasticizers & Softeners, Rubber—C P Hall Co
PARA LUBE: Plasticizers & Softeners, Rubber—C P Hall Co
PARA RESIN: Plasticizers & Softeners, Rubber—C P Hall Co
PARACIDE: p-Dichlorobenzene—Hooker Electrochem Co
PARACOIL: Products—Davis Engrg Corp
PARACOL: Sizes, Wax—Hercules Powder Co
PARACRIL: Rubber, Oil-Resistant—Naugatuck Chem Div
PARADENE: Resins, Hydrocarbon—Neville Co
PARADI: p-Dichlorobenzene—Hooker Electrochem Co
PARADOR: Deodorants, Rubber—Lindar Corp
PARADOW: p-Dichlorobenzene—Dow Chem Co
PARADUROL: Assistants, Dyeing—General Dyestuff Corp
PARADUSTO: Insecticides, Farm—Miller Products Co
PARAFFLEX: Wax Products—Boler Petroleum Co
PARAGON: Clays—J M Huber Corp
PARAGON: Lubricators, Gas Engine—Lunkenheimer Co
PARAKEET: Colors, Food—Sterwin Chem
PARALAN: Preventives, Rust—American Lanoline Corp
PARALATE: Products—Diamond Alkali Co
PARALINE: Bases, Motor—Allis-Chalmers Mfg Co
PARAMUL: Water Repellents, Textile—American Cyanamid Co, Industrial Chem Div
PARAPLEX: Plasticizers, Alkyd—Rohm & Haas Co
PARASAL: Acid, p-Amino Salicylic—Penray Corp
PARASEA: p-Dichorobenzene—Seaboard Industries
PARASEPTS: p-Hydroxybenzoates—Heyden Chem Corp
PARASOL: Nozzles, Spray—Spraying System Co
PARCO: Cleaners, Metal—Parker Rust-Proof Co
PARCO COMPOUND: Rustproofing Compounds—Parker Rust-Proofing Co
PARCO LUBRITE: Rustproofing Compounds—Parker Rust-Proof Co
PARCOLACS: Rustproofing Compounds—Parker Rust-Proof Co
PARCOLENE: Rustproofing Compounds—Parker Rust-Proof Co
PAREX: Foundry Facing—Donald Sales & Mfg Co
PAREZ: Resins, Paper Treating—American Cyanamid Co, Industrial Chem Div
PARICIN: Fatty Acid Esters—Baker Castor Oil Co
PARLIQ: Oils, White, Medicinal—Petroleum Specialties
PARLODION: Nitrocellulose, Purified—Mallinckrodt Chem Works
PARLON: Rubber, Chlorinated—Hercules Powder Co
PARMONE: Hormones, Plant—E I Du Pont de Nemours & Co, Grasselli Chem Dept
PARNOL: Detergents—Jacques Wolf & Co
PAROLITE: Zinc—Royce Chem Co
PARON: Paints, Chlorinated Rubber—Rudd Paint & Varnish Co
PARR: Calorimeters—Parr Instrument Co
PARSONS OVAL BAG: Collectors, Dust—Parsons Engrg Corp
PARSTAINS: Stains, Biological—Hartman-Leddon Co
PARZATE: Fungicides, Garden—E I Du Pont de Nemours & Co, Grasselli Chem Dept
PASTIK: Pastes, Label—Scriptex Products Co
PAVOIL: Oil, Refined, Salad Grade—Pacific Vegetable Oil Corp
PAVOLENE: Oil, Linseed, Catalyzed—Pacific Vegetable Oil Corp
PAVOLIN: Oil, Linseed, Kettle Bodied—Pacific Vegetable Oil Corp
PAVOSOY: Oil, Soybean, Kettle Bodied—Pacific Vegetable Oil Corp
PAYLOADER: Shovels, Industrial Tractor—Frank G Hough Co
PEACOCK: Colors, Food—William J Stange Co
PEAK: Anti-Freeze—Commercial Solvents Corp
PEANUT: Switches—Minneapolis-Honeywell Reugulator Co, Micro Switch Div
PEARL: Soap—Colgate-Palmolive-Peet Co
PECTIN: Products—Colyer Co
PECTINOL: Enzymes, Pectic—Rohm & Haas Co
PEDCO: Soaps, Mechanics—Pennsylvania Detergents Co
PEDER DEVOLD: Oil, Cod Liver—Chas L Huisking & Co
PEDRIFUGAL: Pumping Units—Allis-Chalmers Mfg Co
PEE-GEE: Products—Pope & Gray
PEERLESS: Clay Products—R T Vanderbilt Co
PEERLESS: Products—Mississippi Lime Co
PEERLESS: Products—Peerless Color Co
PEERLESS: Screens, Super-Tempered Precision—Colorado Fuel & Iron Corp
PEET'S: Soap—Colgate-Palmolive-Peet Co
PEG: Esters, Polyoxyethylene—Glyco Products Co
PELLEDOW: Calcium Chloride—Dow Chem Co
PENACOLITE: Adhesives—Koppers Co
PENCO: DDT—Pennsylvania Salt Co
PEN-DIP: Oils, Rustproofing—Heatbath Corp
PENETECK: Oil, White Mineral—Pennsylvania Refining Co
PENETHRUM: Carriers, Insecticide—Kay-Fries Chem
PENETONE: Cleaners—Penetone Co
PENETRIANOL: Penetrants, Textile—Scholler Bros
PENETRO: Oils, Penetrating—Kuhne-Libby Co
PENETROL: Carriers, Insecticide—Kay-Fries Chem
PENFORD: Products—Penick & Ford
PENITE: Sodium Arsenite—Pennsylvania Salt Co
PEN-KAY: Carburizing Bath, Liquid—Heatbath Corp
PENLO: Lubricators, Engine—Lunkenheimer Co
PENN DRAKE: Lubricants—Pennsylvania Refining Co
PENNEX: Oils, Cutting, Sulfurized—Penola Oil Co
PENNSYLVANIA: Products—Pennsylvania Crusher Co
PENOLA: Products—Penola Oil Co
PENOLYN: Oils, Core—Penola Oil Co
PENPHOS: Parathion—Pennsylvania Salt Mfg Co
PENRECO: Lubricants—Pennsylvania Refining Co
PENTA: Preservatives, Wood—Chapman Chem Co
PENTA: Preservatives, Wood—Miller Products Co
PENT-ACETATE: Amyl Acetate, Synthetic—Sharples Chem
PENTACIZERS: Plasticizers—Heyden Chem Corp
PENTALARM: Odorants, Gas—Sharples Chem
PENTALENE: Amyl Naphthalenes (Mixed)—Sharples Chem
PENTALYN: Resins—Hercules Powder Co
PENTAMULLS: Emulsifiers—Heyden Chem Corp
PENTAPHEN: p-Amyl Phenol, tert—Sharples Chem
PENTASOL: Amyl Alcohol Isomers—Sharples Chem
PENTAWAXES: Waxes, Synthetic—Heyden Chem Corp
PENTAWR: Pentachlorophenol—Chapman Chem Co
PENTEK: Pentaerythritol, Technical—Heyden Chem Corp
PENTEX: Accelerators, Rubber—Naugatuck Chem Div
PENTOL: Products—Keystone Lubricating Co
PENTRATE: Black Oxide Finishes for Steel—Heatbath Corp
PENTRATE: Wetting Agents, Fire-Fighting—American La France Foamite Corp
PERCLENE: Perchlorethylene—E I Du Pont de Nemours & Co, Electrochem Dept
PERDOX: Sodium Borate Perhydrate—E I Du Pont de Nemours & Co, Electrochem Dept
PEREGAL: Leveling Agents, Textile—General Dyestuff Corp
PERFECTION: Acid, Leavening—Victor Chem Wks
PERFECTION: Sifters, Gyratory—Allis-Chalmers Mfg Co
PERFECTION: Springs, Door and Gate—Colorado Fuel & Iron Corp
PERFECTION: Valves, Reducing—American District Steam Co
PERFLECTOL: Anti-Oxidants, X Rubber—Monsanto Chem Co, Organic Chem Div
PERMA SET: Cements, Bristle Setting—H V Hardman Co
PERMABOND: Coatings, Synthetic—Polymer Chem Co
PERMACEL: Tapes, Pressure-Sensitive—Industrial Tape Corp
PERMACIDE: Preservatives, Wood—Miller Products Co
PERM-A-CLOR: Solvents, Metal Degreasing—Detrex Corp
PERM-A-CLOR, TRIAD: Solvents, Degreasing—Detrex Corp
PERMACOTE: Surfacing Compounds, Road—Berry Asphalt Co
PERMAG: Cleaners—Magnuson Products Corp
PERMAGARD: Pentachlorophenol—Thompson-Hayward Chem Co
PERMA-GLO: Products—Fuld Bro
PERMAGLO: Products—Grand Rapids Varnish Corp
PERM-A-KLEEN: Solvents, Dry-Cleaning—Detrex Corp
PERMALIFT: Conveyors, Floor-to-Floor Power—Speedways Conveyors
PERMALUX: Anti-Oxidants, Rubber—E I Du Pont de Nemours & Co, Organic Chem Dept, Rubber Chem Div
PERMAMIX: Surfacing Compounds, Road—Berry Asphalt Co
PERMAMOLD: Molding Compounds—Polymer Chem Co
PERMANENT ORANGE: Colors, Dry, Orange—Sherwin-Williams Co
PERMANENTE: Refractories—Kaiser Aluminum & Chem Sales
PERMANITE: Cements—Maurice A Knight
PERMANSA GREEN: Colors, Dry, Green—Sherwin-Williams Co
PERMANSA ORANGE: Colors, Dry, Orange—Sherwin-Williams Co
PERMANSA RED: Colors, Dry, Red—Sherwin-Williams Co
PERMANSA YELLOW: Colors, Dry, Yellow—Sherwin-Williams Co
PERMAPLATE: Screens, Filter—Niagara Filter Corp
PERMASEAL: Gaskets, Asbestos—Chicago Gasket Co
PERMASEAL: Joint Compounds, Sewer Pipe—Berry Asphalt Co
PERMATEX: Finishes, Leather—Stahl Finish Co
PERMATONE: Products—Grand Rapids Varnish Corp
PERMATOX 10-S: Sodium Pentachlorophenate—Chapman Chem Co
PERMAWELD: Adhesives—Polymer Chem Co
PERM-COTE: Phosphate Coatings, Rust-Proof—Detrex Corp
PERMITE: Aluminum Castings, Aluminum Paint (Chemical-Resistant), Aluminum Paint (Heat-Resistant)—Aluminum Industries
PERMOLITH: Lithopone—Sherwin-Williams Co
PEROLIN: Products—Perolin Co
PERONE: Hydrogen Peroxide—E I Du Pont de Nemours & Co, Electrochem Dept
PERSAN: Detergents, Textile—Perkins Soap Co
PERSOL: Detergents, Textile—Perkins Soap Co
PESTAWAY: Insecticides, Household—Uncle Sam Chem Co
PESTCHLOR: Insecticides, Chlordane—Utility Chem Co
PESTFRE: Insecticides, Garden—Miller Products Co
PESTMASTER: Products—Michigan Chem Corp
PESTREAT: Preservatives, Wood—Miller Products Co
PETER COOPER: Products—Peter Cooper Corp
PETERSON TFR FILTER: Filters, Top Feed Reservoir—Peterson Filters & Engrg Co
PETHENAC: Resins, Surface Coating—American Cyanamid Co
PETREX: Resins—Hercules Powder Co
PETROHOL: Alcohol, Isopropyl—Enjay Co
PETROL: Products—Patent Chem
PETROLARDS: Products—Reilly-Whiteman-Walton Co
PETROLITE: Waxes—Petrolite Corp
PETROMETER: Gauges, Liquid, Level—Liquidepth Indicators
PETRO-SEAL: Coatings, Interior Tank—Sherwin-Williams Co
PETROSUL: Sulfonates—Pennsylvania Refining Co
PETROWET: Wetting Agents—E I Du Pont de Nemours & Co, Organic Chem Dept
PHENACIDE: Toxaphene—Thompson-Hayward Chem Co
PHENAMINE: Dyes, Direct—General Dyestuff Corp
PHENEX: Accelerators, Rubber—C P Hall Co
PHENITE: Resins, Phenolic—G A Wharry & Co
PHENOFORM: Colors, Plastic—General Dyestuff Corp
PHENO-T: Phenothiazine—Southside Chem Co
PHENOWELD: Adhesives—H V Hardman Co
PHILBLACK: Carbon Black—Phillips Chem Co
PHILIPS: Instruments, Measuring & Recording—North American Philips Co
PHILLIPS 66: Fertilizers, Nitrogen—Phillips Chem Co
PHI-O-SOL: Wetting Agents—Onyx Oil & Chem
PHIPPEN: Shakers, Shuck—Great Western Mfg Co
PHOMENE: Extinguishers, Fire—Pyrene Mfg Co
PHOSFLAKE: Products—Columbia-Southern Chem Corp
PHOSFUME: Parathion—Thompson-Hayward Chem Co
PHOSPHO NO 12: Cleaners, Stone—Bell-Ray Chem Co
PHOS-TRODE: Electrodes, Phosphor Bronze—Ampco Metal
PHOTELOMETER: Products—Central Scientific Co
PHOTRONIC: Cells, Photoelectric—Weston Elecl Instrument Corp
PH-PLUS: Briquets, Alkali—Mathieson Chem Corp
PHYTOCIDE: Pentachlorophenol—Thompson Horticultural Chem Co
PICCOCIZER: Plasticizers, Rubber—Pennsylvania Industrial Chem Corp
PICCOLYTE: Resins—Pennsylvania Industrial Chem Corp
PICCOUMARON: Resins, p-Coumarone—Pennsylvania Industrial Chem Corp
PICKELENE: Cleaning Compounds—Hanson-Van Winkle-Munning Co
PICOLASTIC: Products—Pennsylvania Industrial Chem Corp
PICTOL: Developers, Photographic, Metal—Mallinckrodt Chem Wks
PIGMENT: Dispersers—Trl Homo Corp
PILOTROL: Controls, Vacuum—Bailey Meter Co
PINEAIR: Disinfectants—Uncle Sam Chem Co
PINE-GLO: Soap—Burns Allen Co
PINEY 5: Disinfectants—Thompson-Hayward Chem Co
PINGO: Products—Pingo Co
PIN-O-TEX: Detergents—Slater-Robbins Co
PIONEER: Clays, Sagger—Georgia Kaolin Co
PIONEER: Cups, Oil & Grease—Lunkenheimer Co
PIP-PIP: Accelerators, Rubber—Monsanto Chem Co, Organic Chem Div

PISTON-RING: Joints, Expansion—American District Steam Co
PITT CHEM: Coatings, Protective—Pittsburgh Coke & Chem Co
PITTCHLOR: Products—Columbia-Southern Chem Corp
PITTSBURGH PX: Plasticizers—Pittsburgh Coke & Chem Co
PIXTONE: Developers, Photographic, Universal—Mallinckrodt Chem Works
PLANTAROME: Products—Florasynth Labs
PLANTEX-50: Products—Innis, Speiden & Co
PLANTGUARD: Insecticides—Kalo Co
PLASTA-D: Emulsifiers—Essential Chem Co
PLASTENDER Hyrdocarbon, Rubber Compounding—Barrett Div
PLASTEX: Conveyors, Belt—Buffalo Weaving & Belting Co
PLASTICIZER SC: Plasticizers—E F Drew & Co
PLASTICK: Adhesives—Atlas Adhesives
PLASTIKOTE: Paints, Aluminum—Alabastine, Paint Products
PLASTILE: Tiles, Floor—U S Stoneware Co
PLASTIMENT: Retardants, Cements—Sika Chem Corp
PLASTIMER: Resins, Extender—Wallace & Tiernan Products
PLASTISOY: Oils, Vegetable—Baker Castor Oil Co
PLASTONE: Plasticizers—Harwick Standard Chem Co
PLASTO-PAK: Bags, Multiwall—Arkell & Smiths
PLAT-CHROME: Products—Linick Chem Co
PLATSOLEIN: Plasticizers, Vinyl—Emery Industries
PLAX PAK: Bottles, Plastic—Plax Corp
PLEASA-T ODOR: Cleaners, Fur—Bernard Sirotta Co
PLEXTGLAS: Products—Rohm & Haas Co
PLEXO: Finishes & Lacquers—Atlas Powder Co, Industrial Finishes Dept
PLEXTON: Molded Parts, Plastic—G B Lewis Co
PLIABOOK: Cements, Book—Paisley Products
PLIAFLEX: Cements, Resin—Paisley Products
PLIASTIC: Adhesives, Synthetic Resin—Paisley Products
PLIATAB: Glues, Padding, Flexible—Paisley Products
PLIOBOND: Adhesives—Goodyear Tire & Rubber Co
PLIOLITE: Products—Goodyear Tire & Rubber Co
PLIOTEX ADHESIVE: Cements, Rubber—Midland Glue Products Co
PLIO-TUF: Molding Compounds—Goodyear Tire & Rubber Co
PLUG IN: Controls, Humidity—Abbeon Supply Co
PLURAFIL: Dyes, Mixed Fibre, Cotton & Rayon—General Dyestuff Corp
PLURAMINE: Detergents, Synthetic—Kearney Mfg Co
PLURONIC: Detergents, Non-Ionic—Wyandotte Chem Corp
999 PLUS: Anodes, Silver—Handy & Harman
PLUSTRE: Products—Fuld Bros
PLUTO: Dyes, Direct—General Dyestuff Corp
PLUTOFORM: Dyes, Direct—General Dyestuff Corp
PLY: Hand Creams, Protective—Milburn Co
PLYACIEN: Adhesives, Protein—Reichhold Chem
PLYAMINE: Resins, Laminating—Reichhold Chem
PLYGARB: Clothing, Safety, Plastic—Milburn Co
PLYGLOVES: Gloves, Plastic—Milburn Co
PLYMAX: Glues, Casein—A Adler & Son
PLYMOUTH: Stearates, Metallic—M W Parsons—Plymouth
PLYOPHEN: Resins, Adhesive—Reichhold Chem
PNEOLATOR: Respiration Instruments, Automatic, Artificial—Mine Safety Appliance Co
PNEUMATRACTOR: Compressers, Self-Propelled Tractor—Schromm Inc
PNEU-VAC: Collectors, Dust—Sprout Waldron & Co
POIDOMETER: Feeders-Weighers-Conveyors—Schaffer Poidometer Co
POLAFFINE: Products—Moore & Munger
POLAR: Dyes, Wool—Geigy Co
POLAR: Napthalene—Barrett Div
POLLO COLORS: Finishes, Pigmented Leather—Pepec Chem Corp
POL-NU: Pentachlorophenol—Chapman Chem Co
POLO COLORS: Finishes, Leather—Kepec Chem Corp
POLOX: Fluids, Soldering—Lox Mfg Co
POLY BRAND: Adhesives—Polymer Industries
POLYAC: Accelerators, Rubber—E I Du Pont de Nemours & Co, Organic Chem Dept, Rubber Chem Div
POLYBOND: Adhesives—Polymer Industries
POLYBOR CHLORATE: Herbicides—Pacific Coast Borax Co
POLYCIN: Oils, Vegetable, Gelled—Baker Castor Oil Co
POLYFOAM K: Detergents, Synthetic—Utility Chem Co
POLYMERIN: Finishes, Bake—Interchem Corp
POLY-PALE: Resins—Hercules Powder Co
POLY-PAX: Packagings, Chemical-Resistant—1 N Breetwor & Associates
POLYPHENYL: Dyes, Direct—Geigy Co
POLYPLACTIC: Finishes, Bake—Standard Varnish Wks
POLYRESIN: Resins, Coating—Kepec Chem Corp
POLYROTO: Inks, Rotogravure—Gotham Ink & Color Co
POLYSCOUR: Detergents, Powdered—Utility Chem Co
POLYSEAL: Gaskets, Plastic; Steel Drums—Rieke Metal Products Corp
POLYSORB: Bases, Absorption—Fougera & Co
POLYTERGE: Abrasive Powders—Utility Chem Co
POLYTEX: Bags, Polyethylene-Lined—Chase Bag Co
PONDEROL: Oils, Apricot Kernel—Sterol Derivatives
PONOLITH: Lithophone—E I Du Pont de Nemours & Co, Pigments Dept
PONSOLVE: Solvents, Alcohol—E I Du Pont de Nemours & Co, Organic Chem Dept
PONY LABELDRI: Machinery, Label—N J Mach Corp
PONY LABELRITE: Machinery, Label—N J Mach Corp
PORCELAIN ROUGE: Buffing Compounds—Chem Specialties
POROCEL: Bauxites, Activated—Attapulgus Clay Co
PORO-SCREEN: Filter Media—R P Adams Co
PORO-STONE: Filter Media—R P Adams Co
POROX: Balls, Acid-Proof—Patterson Foundry & Mach Co
PORTABLE: Products—A B Farquhar Co
POSITROL: Positioners, Valve—Fisher Governor Co
POTOBA: Products—B L Lemke & Co
POTENTOL: Detergents, Textile—Hass-Miller Corp
POWAIRSAVER: Fans, Cooling—J F Pritchard & Co
POWER-FLO: Products—Gray Co
POWERMASTER: Slackers—Lewis-Shepard Products
POWERON: Nozzles, Fire-Fighting—American LaFrance Foamite Corp
POWER-STIR: Stirrers—Eberbach Corp
POWER-VEYOR: Conveyors, Horizontal Power—Rapid-Standard Co
PREBREAKER: Crushers, Rotary—Reitz Mfg Co
PRECISION FREAS: Cabinets, Laboratory—Precision Scientific Co
PRECISION THELCO: Cabinets, Laboratory—Precision Scientific Co
PRECISION-DOW: Titrators, Automatic-Recordomatic—Precision Scientific Co
PRECISION-MARTIN: Burners, Laboratory—Precision Scientific Co
PREMEX: Clays, Coating—Georgia Kaolin Co
PREMIER: Equipment, Laboratory—Premier Mill Corp
PREMIER: Lubricators, Gas Engine—Lunkenheimer Co
PREMIER-ATLAS: Buffs—Hanson-Van Winkle-Munning Co
PREMIUM GRAPH-O-LITH: Developers, Photographic—Philip A Hunt Co
PRENOL A: Plasticizers, Resin—National Rosin Oil Products
PRESERVATROL: Preservatives—Van Dyk & Co
PRESERVOL: Preservatives, Wood—Ruberoid Co
PRESSURETROL: Controls, Furnace—Minneapolis-Honeywell Regulator Co
PRESS-VATOR: Conveyors, Belt—E W Buschman Co
PRESTABIT: Oils, Sulfonated—General Dyestuff Corp
PREST-O-LITE: Products—Linde Air Products Co
PREST-O-WELD: Equipment, Welding & Cutting, Oxy-Acetylene—Linde Air Products Co
PRES-TU-FORM FIBRE DRUMS: Drums, Fibre—Emery-Carpenter Container Co
PREVENTOL: Mildew Preventives, Fungicides—General Dyestuff Corp
PRE-VENT-RUST: Rustproofing Compounds—A J Stull & Co
PREX: Clays, Coating—Georgia Kaolin Co
PRIMAL: Products—Rohm & Haas Co
PRINTEX: Varnishes, Synthetic—Reliance Varnish Co
PROBOLOG: Instruments for Non-Destructive Insoection of Non-Magnetic Metal Tubing—Shell Development Co
PROCESS OIL C-255: Plasticizers & Softeners, Rubber—C P Hall Co
PRODAG: Graphite Colloidal—Acheson Colloids Corp
PROLASE: Enzymes—Wallerstein Co
PROPELOFLO: Meters, Flow—Builders Providence
PROPHYL CHEMOSEPT: Preservatives—Chemo Puro Mfg Co
PROPYL CHEMOSEPT: Preservatives, Cosmetic—Chemo Puro Mfg Co
PROTAN: Tanning, Leather—Victor Chem Works
PROTECTO: Solutions, Lead—Hanson-Van Winkle-Munning Co
PROTECTOL: Finishes, Textile—General Dyestuff Corp
PROTECTORELAY: Controls, Electronic—Minneapolis-Honeywell Regulator Co
PROTECTOSEAL: Cans, Safety—Protectoseal Co
PROTECTOSHIELD: Shields, Face—Willson Products
PROTECTOSPRAY: Extinguishers, Fire—Grinnell Co
PROTECTOVAC: Gauges, Vacuum, Control Device—National Research Corp
PROTEGIN X: Bases, Absorption—Goldschmidt Chem Corp
PROTEK-SORB: Products—Davison Chem Corp
PROTELA SB: Mildew Preventives, Textile—Prior Chem Corp
PROTENOL: Detergents, Synthetic—Continental Chem Co
PROTESAL: Enzymatic Chill-Proofing Compounds—Schwarz Labs
PROTETHYL: Products—Florasynth Labs
PROTEX: Bags, Water-proof—Chase Bag Co
PRO-TEX: Hand Creams, Protective—E I Du Pont de Nemours & Co
PROTEX: Products—American Anode
PROTEX: Rotenoid Concentrates—Chemical Insecticide Corp
PROTOLIN: Products—Rohm & Haas Co
PROTOVAC: Casins, Inedible—Borden Co
PROTOVAN: Products—Florasynth Labs
PROXIFLAT: Paste Casing—Paisley Products
PRUFCOAT: Linings, Acid or Alkali-Resisting—Prufcoat Labs
PULL E-Z: Trucks, Floor—Service Caster & Truck Corp
PUL-LIFT: Hoists—Yale & Towne Mfg Co
PULMITE: Cleaners, Drain—Dearborn Chem Co
PULVA-SIZER: Pulverizers, Screw Feed—Pulva Corp
PULVERATOR: Mills, Hammer—Allis-Chalmers Mfg Co
PULVETTE: Small Production & Laboratory Pulverizers—Pulva Corp
PUMP PROPORTIONING: Products—Proportioneers Inc
PURASAN: Ammonium Compounds, Quaternary—Gallowhur Chem Corp
PURATIZED: Fungicides—Gallowhur Chem Corp
PURATIZED: Preventives, Slime—General Dyestuff Corp
PURATURF: Herbicides—Gallowhur Chem Corp
PUR-A-WELD: Masks, Gas—Acme Protection Equipment Co
PURECAL: Calcium Carbonate—Wyandotte Chem Corp
PURITE: Fluxes, Foundry—Mathieson Chem Corp
PUR-O-TIN: Anodes, Tin—E I Du Pont de Nemours & Co, Electrochem Dept
PUROX: Welding & Cutting Apparatus, Oxy-Acetylene—Linde Air Products Co
PUROZINC: Anodes, Zinc—E I Du Pont de Nemours & Co, Electrochem Dept
PURTONE: Carbon Black—Witco Chem Co
PUSH E-Z: Trucks, Floor—Service Caster & Truck Corp
PUSH-TITE: Couplings, Fluid Line—Hansen Mfg Co
PUTNAM: Clays, China—United Clay Mines Corp
PYDRAUL: Fluids, Hydraulic—Monsanto Chem Co, Organic Chem Div
PYLON: Hoses, Spray—Pioneer Rubber Mills
PYRAMID: Toners, Lithographic—Marx Max Color & Chem Co
PYRATHERM: Burners, Oil-Safety Control—Mercoid Corp
PYRAX: Pyrophyllite—R T Vanderbilt Co
PYRENE: Extinguishers, Fire—Pyrene Mfg Co
PYRENONOE: Insecticide Concentrates—U S Industrial Chem
PYREX: Glasses—Corning Glass Works
PYRIDOSE: Slime Controls, Paper Mill—Mallinckrodt Chem Works
PYRIN: Pyrethum—John Powell & Co
PYRO: Pyrometers—Pyrometer Instrument Co
PYROCIDE: Pyrethrum—McLaughlin Gormley King Co
PYROCON: Measuring Instruments, Surface Temperatures—Illinois Testing Labs
PYROFLEX: Heating Devices, Electric—Cutler-Hammer
PYROFLEX: Paints—Maurice A Knight
PYROLANCE: Molten Non-Ferrous Metal Measuring Instruments—Illinois Testing Lab
PYROLEX: Sludge Solvents, Fuel Oil—Utility Chem Co
PYROMASTER: Thermometers, Resistance—Bristol Co
PYROSTAIN: Cloths, Fire Proof—Wm W Stanley Co
PYROTEX: Scouring Agents, Textile—Standard Chem Products
PYROTHRON: Pyrometers—Bailey Meter Co
PYROTRON: Recorders, Smoke—Bailey Meter Co
PYRTOX: Insecticides—Thompson-Hayward Chem Co
PYTHON: Refractories—Pacific Clay Products

Q-ALLOY: Alloys, Heat & Corrosion-Resistant—Gen Alloys Co
QUADRAFOS: Sodium Phosphate, Tetra—Rumford Chem Works
QUAKER CITY: Mills—Straub Co
QUAKERSOL: Solvents, Proprietary—Commercial Solvents Corp
QUENATE: Fungicides, Agricultural—Mallinckrodt Chem Wks
QUICK-CLEAN: Motors, Textile—Allis-Chalmers Mfg Co
QUICKHESIVES: Adhesives—Standard Glue Co
QUICK-SET: Products—Pope & Gray
QUIGLEY: Refractories—Quigley Co
QUIK: Masks, Gaskets—W H Brady Co
QUIK-LABEL: Signs—W H Brady Co
QUIK-LOX: Products—Rheem Mfg Co
QUIK-SIGNS: Stencils—W H Brady Co
QUILON: Water Repellants—E I Du Pont de Nemours & Co, Grasselli Chem Dept
QUINTAIR: Exchangers, Heat—J F Pritchard & Co
QUINTITE: Cleaners—Colonial Chem Co
QUONSET: Steel Buildings, Packaged Lightweight—Kraftile Co

R: Rouge, Buffing—Hanson-Van Winkle-Munning Co
R-2: Accelerators, Rubber—Monsanto Chem Co, Organic Chem Div
R-B-H: Dispersions, Pigment—R B H Dispersions
R & I MOLDIT: Refractories (Castables)—Refactory & Insulation Corp
R & M: Filter Materials—Reeve & Mitchell Co
R M P: Antimony Sulfide—Rare Metal Products Co
R M R: Clays, Refractory—Georgia Kaolin Co
R-M-ASBESTOS: Gaskets, Packings—Raybestos-Manhattan
R S: Rouge, Buffing—Hanson-Van Winkle-Munning Co
R S R: Spot-remover—Wallerstein Co
RX-43: Clays—J M Huber Corp
RADEX: Products—Damon Chem Co
RADIO: Dyes, Acid—General Dyestuff Corp
RAIL HUGGER: Hoists, Trolley—Yale & Towne Mfg Co
RAINBOW: Colors & Dyes—Murray-Williams Color & Chem Co
RALDEINE: Methyl Ionone—Givaudan-Delawanna
RAMAN: Spectrographs—Jarrell-Ash Co
RAMAPO: Colors, Dry—E I Du Pont de Nemours & Co, Pigments Dept
RAMASIT: Waterproofing Agents, Textile—General Dyestuff Corp
RAMASOL: Water Repellents, Textile—General Dyestuff Corp
RAMOL: Oils, Sulfonated—Sherwood Refining Co
RAMUC: Coatings, Chlorinated Rubber Base—Inertol Co
RANAREY: Apparatus, Gas Analysis—Permutit Co
RANDZONE: Anti-Freeze—Randall Products Mfg Co
RANGER: D C Supplies, High Current—Sorensen & Co
RAPID FAST: Dyes, Azo—General Dyestuff Corp
RAPIDAL: Soaps, Liquid—Fuld Bros
RAPIDASE: De-Sizing Agents, Textile—Wallerstein Co
RAPIDOGEN: Dyes, Azo—General Dyestuff Corp
RAPID-POWER BOOSTER: Conveyors, Inclined—Rapids-Standard Co
RAPID-ROLLER: Conveyors, Gravity—Rapids-Standard Co
RAPID-WHEEL: Conveyors, Gravity—Rapids-Standard Co
RAROX: Rare Earth Products—Rare Earths Inc
RASORITE: Sodium Borate—Pacific Coast Borax Co
RATMASTER: Products—Michigan Chem Corp
RATOCHLOR: Equipment, Chlorating—Fischer & Porter Co
RAT-TOX: Insecticides, Household—Rex Research Corp
RAT-TROL®: Warfarin—Thompson-Hayward Chem Co
RAYCLEAN: Filters, Gas—Sparkler Mfg Co

RAYGEE: Paints—Impervious Paint & Varnish Co
RAYMOND: Pulverizers—Combustion Engrg-Superheater
RAYNISE: Sizes, Textile—General Dyestuff Corp
REACTIVATOR: Softeners, Water—Graver Water Conditioning Co
READY BOND: Adhesives—Adhesive Products
REAL KWIK: Enamels—Ruehl Paint Co
REALCIN: Products, Oil—Pruett-Schaeffer Chem Co
REALOCK: Fences, Chain Link—Colorado Fuel & Iron Corp
REALWEAR: Pumps, Reciprocating—Warren Steam Pump Co
RECCO: Products—R E Carroll
RECO: Products—Reichard-Coulston Inc
RECTORSEAL: Jointing Compounds—Rector Well Equipment Co
RED ARROW: Trucks, Lift—Lift Truck Inc
RED BAG: Products—Mich Chem Corp
RED BALL PASTE: Pastes—Kneffer Bates Co
RED BAND: Sours, Laundry—Ecclestone Chem Co
RED GIANT: Trucks, Hand Lift—Revolvator Co
RED K BRAND: Petrolatum—Kuhne-Libby Co
RED LINE: Lubricants—Union Oil Co of Cal
RED ROCKER: Stands, Barrel—Economy Engrg Co
RED SEAL: Trolleys—Jervis B Webb Co
RED STITCH: Bags, Filter—L C Thomsen & Sons
RED STREAK: Trucks, Hand Lift—Yale & Towne Mfg Co
RED WATER: Packings, Metallic—Marlo Co
RED-E: Buffs—Hanson-Van Winkle-Munning Co
RED-E-TO-USE: Cloth Polishing Wheels and Buffs—Hanson-Van Winkle-Munning Co
REDFIELD 44%: Meal & Cake, Soybean—Iowa Soya Co
REDLER: Products—Stephens-Adamson Mfg Co
REDMONT: Gloves, Rubber—Edmont Mfg Co
RED-TOP: Fertilizers, Chemical Concentrated—Fresno Agric Chem Co
REDUCTOR: Deodorants—Forty-Four Tinity Pl Corp
REDWOOD REZ: Stains, Wood—Monsanto Chem Co, Western Div
RED-X: Fillers, Wood—Reliance Varnish Co
REELITE: Reels, Automatic Cord Take-Up—Appleton Elec Co
REENER: Screens—Nichols Engrg & Research Corp
REEVE ANGEL: Paper, Filter—H Reeve Angel & Co
REEVES: Pulleys—Reeves Pulley Co
REFINED CONCORD: Waxes, Synthetic—Concord Chem Co
REFINER: Pressure Filters, Oil Removal—Blackburn-Smith Mfg Co
REFRASIL: Materials, Insulation— H I Thompson Co
REGAL: Clays, Ball—United Clay Mines Corp
REGENT 12XX: Acid, Leavening—Victor Chem Wks
REGENT & CORONET: Machines, Drycleaning—Detrex Corp
REGO: Welding Apparatus—National Cylinder Gas Co
REGULEX: Exciters for DC Machines—Allis-Chalmers Mfg Co
REGUTRON: Controls, Speed—Elec Machy Mfg Co
REILLY BITUVIA: Products—Reilly Tar & Chem Corp
REILLY PLASTUVIA: Products—Reilly Tar & Chem Corp
REILLY TAR-PET: Products—Reilly Tar & Chem Corp
REILLY TRANSOTE: Products—Reilly Tar & Chem Corp
REK-TANG: Screens, Woven Wire—Ludlow-Saylor Wire Co
RELEWITE: Products—Burns Allen Co
RELIABLE: Emulsions, Wax—Fiebing Chem Co
RELIANCE: Engineers—Allis-Chalmers Mfg Co
RELIANCE: Equipment, Crushing & Screening—Universal Rd Mach Co
RELIANCE V*S: Drives, Variable Speed—Reliance Elec & Engrg Co
REL-VAR: Varnishes, Synthetic—Reliance Varnish Co
REMONOL: Resorcinol Monoacetate—Seydel Chem Co
REMOVITE: Removers, Paint & Varnish—Chem Specialties Co
RE-MOV-OIL: Absorbents, Oil—A J Stull & Co
RENEWO: Valves—Lunkenheimer Co
RENOVENE: Cleaners—Plunkett Chem Co
REPELLENE: Water Repellents, Textile—Glover M Birk
REPELLO: Water Repellents, Textile—Scher Bros
REPUBLIC: Alarms, Controls, Meters, Valves, Recorders, Gauges, etc.—Republic Flow Meters Co
REPUBLIC: Products—Republic Metals Co
REPUBLIC: Steel Products, Stainless—Republic Steel Corp
REPUBLIC ELECTRUNITE "DEKORON-COATED" EMT: Products—Republic Steel Corp
REPUBMET: Products—Republic Metals Co
RESEARCH: Beltings, Power Transmission—Graton & Knight Co
RESIGUM: Adhesives, Sizing—Paisley Products
RESIMENE: Melamine—Monsanto Chem Co, Plastics Div
RESIN 510: Resins, Natural—R B H Dispersions
RESIN C: Materials, Compounding, Resinous—Barrett Div
RESINEX: Finishes, Textile—Scher Bros
RESINOX: Phenolics—Monsanto Chem Co, Plastics Div
RESI-RAP—Glues, Resin (Non-Warp)—Paisley Products
RESISTOFLEX: Assemblies, Hose—Resistoflex Corp
RESISTOWAX: Waxes, Synthetic—Cornelius Products Co
RESISTOWAX: Waxes, Synthetic—General Wax Rfg Co
RESIWOOD: Glue, Resin—H B Fuller Co
RESILOOM: Controls, Shrinkage—Monsanto Chem Co, Merrimac Div
RESOFORM: Colors, Plastic—General Dyestuff Corp
RESORCABOND: Adhesives—Koppers Co
RES-TALIC: Products—Benjamin Foster Co
RESTEX: Removers, Tar—Watson-Park Co
RESTLESS STEEL: Trucks, Floor—Service Caster & Truck Corp
RETARDEX: Retardants, Rubber—C P Hall Co
RETARDEX: Agents, Retarding, Dye—Standard Chem Products
RETARDINE: Agents, Retarding, Dye—Standard Chem Products
REVIVO BOND: Clays, Fire—Eastern Clay Products
REVOLVATOR: Elevators, Portable—Revolvator Co
REWBON: Coatings, Rubber—Atlas Mineral Products Co
REX: Clays, Ball—United Clay Mines Corp
REX: Insecticides—Rex Research Corp
REX: Products—Chain Belt Co
REX: Products—Kem Labs
REX: Products—Nardini Co
REX: Sizes, Wall—Cole & De Graf
REX-FLEX: Hose, Metal, Flexible—Chicago Metal Hose Co
REXLITE: Lenses, Plastic Optical—Goggle Parts Co
REXPAR: Varnishes, Spar—Sherwin-Williams Co
REX-TUBE: Hose Metal, Flexible—Chicago Metal Hose Co
REX-WELD: Hose, Metal, Flexible—Chicago Metal Hose Co
REZ: Sealers, Wood—Monsanto Chem Co, Western Div
REZICOTE: Paints, Resin Emulsion—Monsanto Chem Co, Western Div
REZYL: Resins, Surface Coating—American Cyanamid Co
RHEEMCOTE: Products—Rheem Mfg Co
RHODIONE: Ionones—E I Du Pont de Nemours & Co, Organic Chem Dept
RHODULINE: Dyes, Basic—General Dyestuff Corp
RHONITE: Resins, Textile Finishes—Rohm & Haas Co
RHOPLEX: Dispersions, Resin—Rohm & Haas Co
RHOTEX: Products—Rohm & Haas Co
RHOTHANE: Dichlorodiphenyl-Dichloroethane, Insecticides—Rohm & Haas Co
RHOTOBLAST: Blast Cleaning, Airless—Pangborn Corp
RHOZYME: Agents, Desizing, Textile—Rohm & Haas Co
RICHMOND: Sifters—Wallace & Tiernan
RICHTEX: Starch—Welch, Holme & Clark Co
RICOSOL: Solvents, Shellac—Puerto Rico Alcohol Co
RIDOLINE: Cleaners, Metal—American Chem Paint Co
RID-U: Insecticides—H V Smith & Co
RIETZ DISINTERGRATOR: Pulverizers—Rietz Mfg Co
RIETZ THERMASCREW: Cookers & Coolers—Rietz Mfg Co
RIGORTEX: Catings, Chemical-Resisting—Inertol Co
RILEY: Products—Riley Stoker Corp
RINCONTROL: Enamels, Wrinkle—Interchem Corp
RINGKEY: Pads, Filter—Multi Metal Wire Cloth Co
RINKELOID: Finishes, Wrinkle—Standard Varnish Wks
RINZ-RITE: Cleaners—Fuld Bros
RIPL-FLO: Screens, Vibrating—Allis-Chalmers Mfg Co
RIPPLE FINS: Coils, Cooling & Heating—McQuay Inc
RIVAL: Polishing Wheels—Hanson-Van Winkle-Munning Co
ROACH CAFE: Insecticides—Kalo Co
ROACH-TOX: Insecticides, Household—Rex Research Corp
ROBINSON: Conveyors, Pneumatic—Morse Boulger Destructor Co
ROBOMATIC: Refractometers—Precision Scientific Co
ROBOTRON: Controls, Time Cycle—Emmett Mach & Mfg
ROCCAL: Compounds, Quaternary Ammonium—Sterwin Chem
ROCHESTER: Thermometers—Rochester Mfg Co
ROCKER SHOVELS: Loaders, Car—Elmco Corp
ROCKING CONTACT: Regulators, Generator Voltage—Allis-Chalmers Mfg Co
ROCKPORT: Lime (Chemical)—Cutler-Magner Co
ROCKWELL: Meters—Meter & Valve Div
RO-DETH: Rodenticides—Heckathorn & Co
RODIN: Disinfectants—George B Robbins
RODINE: Products—American Chem Paint Co
RODISOL: Deodorants—George B Robbins
RODUSTO: Insecticides, Garden—Miller Products Co
ROECRIMP: Screens, Wire—John A Roebling's Sons Co
ROEFLAT: Screens, Wire—John A Roebling's Sons Co
ROESLOT: Screens, Wire—John A Roebling's Sons Co
ROETON: Screens, Wire—John A Roebling's Sons Co
RO-FLO: Compressors & Pumps—Allis-Chalmers Mfg Co
ROGERS: Glue, Photo-Engraving—Rogers Isinglass & Glue Co
ROLA FLAVORS: Products—Rola Extract Co
ROLLAWAY: Jacks—Yale & Towne Mfg Co
ROLOTAC: Controllers, Industrial Truck—Elwill-Parker Elec Co
RONACET: Dyes—L L Rona & Co
RONACHROME: Dyes—L L Rona & Co
RONACYL: Dyes—L L Rona & Co
RONAGENE: Dyes—L L Rona & Co
RONAGENOL: Dyes—L L Rona & Co
RONANIL: Dyes—L L Rona & Co
RONASOL: Dyes—L L Rona & Co
RONATHRENE: Dyes—L L Rona & Co
RONAXOL: Dyes—L L Rona & Co
RONGALITE: Discharge Agents, Textile—General Dyestuff Corp
RONID: Dyes—L L Rona & Co
ROOTICATE: Products—Faesy & Besthoff
ROPER: Pumps, Rotary—George D Roper Corp
ROSCAROMA: Deodorants—Rosco Labs
ROSCOLENE: Cellulose Acetate—Rosco Labs
ROSS: Condensers—Ross Heater Mfg Co
ROTEFIVE: Insecticides, Garden—Miller Products Co
ROTENOL: Carriers, Insecticide—Kay-Fries Chem
ROTEX: Machinery, Dewatering & Screens—Orville Simpson Co
ROTO: Cleaners, Tube—Elliott Co
ROTO-CLONE TYPE D: Collectors, Dust—American Air Filter Co
ROTO-CLONE TYPE N: Collectors, Dust—American Air Filter Co
ROTO-CLONE TYPE W: Collectors, Dust—American Air Filter Co
ROTODIP: Feeders, Liquid—Omega Mach Co
ROTOSOL: Solvents, Ink—American Mineral Spirits Co
ROTRATE: Insecticides—Kalo Co
RO-TWIN: Compressors & Pumps—Allis-Chalmers Mfg Co
ROYAL: Clays, Ball—United Clay Mines Corp
ROYAL: Tallow—Welch, Holme & Clark Co
ROYAL OAK: Charcoal—Crossett Chem Co
ROYAL PURPLE: Colors, Dry, Purple—Sherwin-Williams Co
ROYLCITE: Cleaning Compounds—Hanson-Van Winkle-Munning Co
ROYLE: Temperature Control Units—John Royle & Sons
RUB FLUX: Softeners, Rubber—Witco Chem Co
RUBALT: Products—Alfred Hague & Co
RUBANOX RED: Colors, Dry, Lithol Rubine Red—Sherwin-Williams Co
RUBBATEX: Latex—Rubba Inc
RUBBER-COAT: Products—Wilbur & Williams Co
RUBBERIZED: Products—Wilbur & Williams Co
RUBBERLITH: Lithopone—Witco Chem Co
RUBINOL: Dyes, Acid—General Dyestuff Corp
RUBYFLUID: Solders—Ruby Chem Co
RUGAYDE: Lubricants, Rubber—American Grease Stick Co
RUGGLES-COLES: Coolers, Dryers, Kilns — Rotary — Hardinge Co
RUG-SEALZ: Adhesives—Naugatuck Chem Div
RUGTEX: Sizes, Rug & Carpet—Rubba Inc
RULGLO: Products—Ruehl Paint Co
RULSPAR: Products—Ruehl Paint Co
RULTONE: Products—Ruehl Paint Co
RUPTAIR: Circuit Breakers, Magnetic Air—Allis-Chalmers Mfg Co
RUPTOR: Arc Depotentiators—Allis-Chalmers Mfg Co
RUSTANG: Boiler Feed Water Treatment—Feedwaters Inc
RUST-BAN: Preventatives, Rust—Penola Oil Co
RUST-BAN: Rustproofing Compounds—Humble Oil & Refining Co
RUSTFLEX: Boiler Feed Water Treatment—Flexoid Products
RUSTICON: Inhibitors, Rust—Phila Quartz Co
RUSTOFF: Removers, Rust—A J Stull & Co
RUST-SOLV: Solvents, Rust—Nielco Chem
RUST-ZIP: Removers, Rust—Bell-Ray Chem Corp
RYAX: Alloys, Manganese—Joseph T Ryerson & Son
RYCASE: Alloys, Manganese—Joseph T Ryerson & Son
RYCONOX: Products—Reilly-Whiteman-Walton Co
RYCOSOL: Products—Reilly-Whiteman-Walton Co
RYCUT: Alloys, Ferro—Joseph T Ryerson & Son
RYERTEX: Bearings—Joseph T Ryerson & Son
RYEX EXPANDED METAL: Wire Mesh—Joseph T Ryerson & Son
RYTENSE AA: Alloys, Manganese—Joseph T Ryerson & Son
S: Saran—Chem Development Corp
S-A: Valves, Acid-Resisting—Lunkenheimer Co
S-A-326: Anti-Oxidants, Soap—Monsanto Chem Co, Phosphate Div
S C R: Anti-Oxidants, Rubber—C P Hall Co
S C SOLVENTS: Aromatics—Solvents & Chem Co
S K S: Glues, Flexible—Paisley Products
S M C: Clays, Coating—Georgia Kaolin Co
S O A C: Accelerators, Rubber—C P Hall Co
S O E STARR OXYGEN ELIMINATOR: Boiler Compounds—Starr Mfg & Chem Co
S O S: Decolorizers—George E Howard
S P D X-G H: Accelerators, Rubber—C P Hall Co
S R E STARR RUST ERADICATOR: Boiler Compounds—Star Mfg & Chem Co
SS UNIT: Pumping Units—Allis-Chalmers Mfg Co
ST: Removers—Southern Textile Chem Corp
SWP: Paints, House—Sherwin-Williams Co
S W S STARR: Softeners, Water—Starr Mfg & Chem Co
SABADUSTO: Insecticides, Garden—Miller Products Co
SABIN: Trucks, Industrial—Sabin Mach Co.
SACO: Reducers, Speed—Stephens-Adamson Mfg Co
SACON: Idlers, Belt Conveyor—Stephens-Adamson Mfg Co
SADLER: Clays, Slip, Albany Type—United Clay Mines Corp
SAFCO: Equipment, Safety, Industrial—Safety Clothing & Equipment Co
SAFETY HEAD: Products—Black, Sivalls & Bryson Eng
SAFETY-CIRCLE: Motors—Allis-Chalmers Mfg Co
SAFLEX: Vinyl Butyral—Monsanto Chem Co, Plastics Div
SAFSTEP: Steel Treads, Open—Irving Subway Grating Co
SAF-T-CUT: Abrasives, Grinding—Bay State Abrasive Products Co
SAF-TEE SUPER ANTI-FREEZE: Anti-Freeze, Alcohol—United Distillers of America
SAF-TEX PROPRIETARY SOLVENT: Alcohol, Denatured—United Distillers of America
SAK: Soaps, Mechanics—Plunkett Chem Co
SALAMAC: Ammonium Chloride—Adams-Henry Chem Co
SALVINOL: Products—Florasynth Labs
SAMCO: Filling Machines, Liquid, Powder—Pneumatic Scale Corp
SAMSON: Clays, China—United Clay Mines Corp
SAMSON: Products—I N Breetwor & Associates
SAN PHENO X: Disinfectants—Huntington Labs
SANCO FINISHES: Products—Monroe Sander Corp
SANDOPAN TFL: Detergents, Textile—Sandoz Chem Works
SANDOZOL W: Wetting Agents—Sandoz Chem Works
SANDVIK: Products—Sandvik Steel
SANFOROL: Finishes, Textile—Standard Chem Products
SANI-CHLOR: Bleaches, Laundry—Science Industries
SAN-I-TANKS: Products—Metal Glass Prod Co
SANITATION HTH: Calcium Hypochlorite—Mathieson Chem Corp
SANITYPE: Filters, Sterilizing—F R Hormann & Co
SAN-O-DUST: Sweeping Compounds—Jno C F Snyder & Sons
SANOFORM: Denaturants—Plunkett Chem Co
SANTICIZER: Plasticizers—Monsanto Chem Co, Organic Chem Div

SANTOBANE: DDT—Monsanto Chem Co, Organic Chem Div
SANTOBRITE: Sodium Pentachlorophenate—Monsanto Chem Co, Organic Chem Div
SANTOCEL: Silica Aerogel—Merrimac Div, Monsanto Chem Co
SANTOCHLOR: p-Dichlorobenzene—Monsanto Chem Co, Organic Chem Div
SANTOCURE: Accelerators, Rubber—Monsanto Chem Co, Organic Chem Div
SANTODEX: Oils, Additive—Monsanto Chem Co, Organic Chem Div
SANTOFLEX: Anti-Oxidants, Rubber—Monsanto Chem Co, Organic Chem Div
SANTOLENE: Oils, Additive—Monsanto Chem Co, Organic Chem Div
SANTOLITE: Resins, Industrial—Monsanto Chem Co, Organic Chem Div
SANTOLUBE: Oils, Additive—Monsanto Chem Co, Organic Chem Div
SANTOMASK: Odorants—Monsanto Chem Co, Organic Chem Div
SANTOMERSE: Detergents, Synthetic—Monsanto Chem Co, Phosphate Div
SANTOPHEN: Germicides—Monsanto Chem Co, Organic Chem Div
SANTOPOID: Oils, Additive—Monsanto Chem Co, Organic Chem Div
SANTOPOUR: Oils, Additive—Monsanto Chem Co, Organic Chem Div
SANTOSITE: Sodium Sulfite—Monsanto Chem Co, Organic Chem Div
SANTOTAN: Chrome Sulfate, KR Basic—Monsanto Chem Co, Organic Chem Div
SANTOVAR: Anti-Oxidants, O Rubber—Monsanto Chem Co, Organic Chem Div
SANTOWAX: Resins, Coal-Tar—Monsanto Chem Co, Phosphate Div
SANTOWHITE: Anti-Oxidants, Rubber—Monsanto Chem Co, Organic Chem Div
SARANAC: Stichers, Carton—Saranac Mach Co
SATINA: Products—L Hemmerdinger & Co
SAUEREISEN: Products—Sauereisen Cements Co
SAVADAY: Bleaches—Barton Chem Co
SAVANOL: Oils, Sulfonated Castor—General Dyestuff Corp
SAVE-LITE: Finishes, Interior White—Sherwin-Williams Co
SAV-IT: Preservatives, Fabric—Cuprinol Div
SAWTOOTH: Anodes, Lead—Heil Process Equipment Corp
SAYLOR'S: Cement Products—Coplay Cement Mfg Co
SCHADE: Controls—Schade Valve Mfg Co
SCHEPP SPRAYON REMOVE-IT: Detergents, Textile—Wm J Schepp Co
SCIENTIFIC: Machines, Bottle Filling—Scientific Filter Co
SCIENTIFIC: Penicillin—Scientific & Chem Industries Co
SCOUREX: Detergents, Textile—Essential Chem Co
SCRIPTEX: Adhesives—Scriptex Products Co
SCRU-PELLER: Pumps, Slurry—Chicago Pump Co
SEA FOAM: Soaps—Colgate-Palmolive-Peet Co
SEA PEP: Products—Van Camp Labs
SEAGUM: Gums, Printing—Seaboard Industries
SEAL: Adhesives—Phila Quartz Co
SEAL: Products—Mississippi Lime Co
SEAL IT: Transparent Sealers for Masonry—Sullivan Co
SEAL ROCK: Hoses, Air—Pioneer Rubber Mills
SEALAC: Products—Duralac Chem Corp
SEALBRITE: Rust Preventatives, Water Displacing—London Chem Co
SEAL-CLAD: Motors—Allis-Chalmers Mfg Co
SEALED-DISC: Filters—Alsop Engrg Corp
SEALITE AMERICAN: Products—American Brass Co
SEALMASTER: Bearings—Stephens-Adamson Mfg Co
SEALON: Dyes, Rubber & Enamels—Sullivan Co
SEALPAK: Bags, Waterproof—Mente & Co
SEALTITE: Machinery, Paper Bag Sealing—Consolidated Packaging Machy Corp
SEAPELL: Repellents, Water—Seaboard Industries
SEAPORCEL: Products—Seaporcel Metals
SEASOFT: Softeners, Tallow—Seaboard Industries
SEASONMAKER: Equipment, Air Conditioner—McQuay Inc
SEASYN: Detergents, Synthetic—Seaboard Industries
SEATION: Softeners, Cationic—Seaboard Industries
SEAWATE: Weighters—Seaboard Industries
SEAWAX: Finishes, Wax—Seaboard Industries
SEEDINE: Products—Woburn Chem Corp
SELECT-A-SPEDE: Gearmotors—Louis Allis Co
SELECT-O-SPEED: Transmissions, Variable Speed—Lovejoy Flexible Coupling Co
SELECTRO: Screens, Vibrating—Productive Equipment Corp
SELECTROL: Scales, Automatic—Exact Weight Scale Co
SELMOR: Vending Displays—Hinde & Dauch Paper Co
SEMESAN: Disinfectants, Seed—E I Du Pont de Nemours & Co, Grasselli Chem Dept
SEMI-LUSTRE: Enamels, Interior Semi-Gloss—Sherwin-Williams Co
SEMINOLE: Products—Florida Agricultural Supply Co
SENCO: Products—George Senn
SENIOR: Degreasers—Penetone Co
SENIOR: Lubricators, Automatic—Lunkenheimer Co
SENSATHERM: Thermostats—Mercoid Corp
SENSITROL: Relays, Electric—Weston Elec Instrument Corp
SENTINEL: Anti-Freeze—Cliffs Dow Chem Co
SENTINEL: Cups, Oil—Lunkenheimer Co
SEPTICARDE: Ammonium Compounds, Quaternary—Thompson-Hayward Chem Co
SEQUESTRENE: Acid, Ethylene Diamine Tetracetic—Airose Chem Co
SERENE GREEN: Colors, Dry, Green—Sherwin-Williams Co
SERICOSE: Binders, Textile—General Dyestuff Corp
SERICOSOL: Solvents, Dye—General Dyestuff Corp
SERVACIDE: Insecticides—Innis, Speiden & Co
SERVOL: Gaskets, Asbestos—Chicago Gasket Co
SESQUILATE®: Products—Diamond Alkali Co
SETACY: Dyes, Acetate—Geigy Co
SETAMOL: Retardants, Dye—General Dyestuff Corp
SHADOGRAPH: Scales—Exact Weight Scale Co
SHAMBAS: Magnesite—Golwynne Chem Corp
SHAMPAROMES: Products—Naugatuck Aromatics
SHAMROCK GREEN: Colors, Dry, Green—Sherwin-Williams Co
SHAMVA MULLITE: Refractories—Mullite Refractories Co
SHARKRAFT: Bags, Multi-Wall, Paper—Chase Bag Co
SHARPLES: Accelerators, Rubber—Sharples Chem
SHASTA: Hoses, Water—Pioneer Rubber Mills
SHAWINIGAN: Calcium Carbide—Shawinigan Products Corp
SHAWNEE: Colors, Dry—Kentucky Color & Chem Co
SHEA-LAC: Substitutes, Shellac—Acme Shelac Products
SHEAR-SEAL: Valves—Barksdale Valves Co
SHEFFALLOY: Tubes, Clip & Collapsible—Sheffield Tube Corp
SHEFFIELD: Tubes, Clip & Collapsible—Sheffield Tube Corp
SHEFFIELD: Oils, Quenching—W A Wood Co
SHELLACOL: Alcohol, Proprietory Solvent—Commercial Solvents Corp
SHEROVE: Emulsions, Pigmented—Sherwin-Williams Co
SHEROLATUM: Petrolatum—Sherwood Refining Co
SHEROSOPE: Sulfonates—Sherwood Refining Co
SHIELD-ARC: Apparatus, Welding—Lincoln Elec Co
SHIRLAN: Fungicides, Textile—E I Du Pont de Nemours & Co, Organic Chem Dept
SHONE: Ejectors, Pneumatic Sewage—Yeomans Bros Co
SHOPLIFTER: Elevators, Portable—Economy Engrg Co
SHRINK-MASTER: Products—Naugatuck Chem Div
SIDALL: Soaps, Liquid—Fuld Bros
SIECOFIN: Finishes, Textile—Siegel Chem Co
SIECOSIST: Scouring Compounds, Textile—Siegel Chem Co
SIECOTERG: Scouring Compounds, Textile—Siegel Chem Co
SIERRA: Talc—Sierra Talc & Clay Co
SIERRA: Wax, Montan—Dura Chem Co
SIERRAMIC: Talc—Sierra Talc & Clay Co
SIGHT-O-MATIC: Mills, Grinding—J M Lehman Co
SIGMA MOTER: Pumps—E & M Enterprises
SIGNAL SHORTSTOP: Photographic Products—Edwal Labs
SIGNET: Paints—Impervious Paint & Varnish Co
SIGNODE: Strappings, Steel—Signode Steel Strapping Co
SIKA: Caulking Compounds—Sika Chem Corp
SILAGAS: Sulfur Dioxide (Agricultural)—Virginia Smelting Co
SILASTIC: Rubber, Silicone—Dow Corning Corp
SILENE: Products—Columbia-Southern Chem Corp
SILENT HOIST: Products—Silent Hoist & Crane Co
SIL-FOS: Alloys, Silver Brazing—Handy & Harman
SILKON: Core Compounds—J S McCormick Co
SILKOTE: Core Compounds—J S McCormick Co
SILKOTE: Products—Grand Rapids Varnish Corp
SIL-TRODE: Electrodes, Silicon Bronze—Ampco Metal
SILVACEL: Insulation, Industrial—Weyerhaeuser Timber Co
SILVACON: Mud Conditioners & Circulation Loss Preventatives—Weyerhaeuser Timber Co
SILVALOY: Fluxes—Linde Air Products Co
SILVER KING: Counters, Machine—Production Instrument Co
SILVER TIP: Coal Tar Chemicals, Fence Posts, Fertilizers—Colorado Fuel & Iron Corp
SILVERTONE: Finishes, Leather—Rohm & Haas Co
SIMPLEX: Bag Makers—Miller Wrapping & Sealing Mach Co
SIMPLEX: Mills, Pellet—Sprout Waldron & Co
SINGLEDISC: Blankets, Cloth, Filter—Multi Metal Wire Cloth Co
SI-O-LITE: Silica Gel—Mallinckrodt Chem Wks
SIRCO: Cleaners, Fur—Bernard Sirotta Co
SITOL: Specialties, Textile—E I Du Pont de Nemours & Co, Organic Chem Dept
SKID-PRUF: Waxes, Floor—Nielco Chem
SKIL: Emulsifiers—Gallowhur Chem Corp
SKOOKUM: Hoses, Oil—Pioneer Rubber Mills
SKULITE: Ammonium Sulfate—Schuylkill Chem Co
SKULLGARD: Hats & Caps, Protective—Mine Safety Appliance Co
SKYDROL: Fluids, Hydraulic—Monsanto Chem Co, Organic Chem Div
SKYLAC: Finishes, Aircraft—Merrimac Div, Monsanto Chem Co
SLIP-EASY: Greases & Oils—Riverside Chem Co
SLY: Equipment, Blast Cleaning—W W Sly Mfg Co
SMENTOX: Drilling Muds, Oil-Well—Baroid Sales Div
SMITH AND MILLS: Shaners—Hamilton Thomas Corp
SMITH'S: Lime—Smith Lime Flour Co
SNAIL-FOIL: Insecticides, Garden—An-Fo Mfg Co
SNODOTTE: Fatty Acids, Hydrogenated—Archer-Daniels-Midland Co
SNO-MAN: Oils, Sulfonated Neatsfoot—Neatsfoot Oil Refineries Corp
SNOW TOP: Calcium Carbonate—West Va Pulp & Paper Co
SNOW WHITE: Mica—Southern Mica Co
SNOWFLAKE CRYSTALS: Products—Solvay Sales Div
SNOWFLAKE WHITE: Calcium Carbonate—Thompson, Weinman Co
SNOWLINE: Fish Scrap & Meal—Snow & Co
SNOW-WHITE: Glues, Hatter's—Van Cleef Bros
SOAPERIOR: Soaps—U S Sanitary Specialties Corp
SOAPOLS: Soaps—Naugatuck Aromatics
SOBENATE: Preservatives—Seydel Chem Co
SODA BRIQUETTES: Products—Columbia-Southern Chem Corp
SODIUM POLYPHOS: Sodium Phosphate (Glassy)—Blockson Chem Co
SO-DYE-FAST: Textile Specialties—Southern Dyestuff Corp
SO-DYE-FIDE: Textile Specialties—Southern Dyestuff Corp
SO-DYE-SAN: Textile Specialties—Southern Dyestuff Corp
SO-DYE-SUL: Dyes, Sulfur—Southern Dyestuff Corp
SO-DYE-VAT: Dyes, Vat—Southern Dyestuff Corp
SOFTASILK: Soaps, Liquid—Gerson Stewart Corp
SOFTEX: Fillers—Whittaker, Clark & Daniels
SOFTEX: Softeners, Textile—Standard Chem Products
SOFTOL: Oils, Textile—Standard Chem Products
SOFTONE: Developers, Photographic, Low Contrast—Mallinckrodt Chem Wks
SOF-TUTCH: Soaps, Liquid—Esential Chem Co
SOILDUSTO: Insecticides, Garden—Miller Products Co
SOILFUME: Fumigants—Westvaco Chem Div
SOILICIDE: Insecticides, Garden—Miller Products Co
SOLA: Transformers—Sola Elec Co
SOLAR: Dyes, Paper—General Dyestuff Corp
SOLDERING FLUX NO. 68: Fluxes, Soldering—Bell-Ray Chem Corp
SOLFAST GREEN: Colors, Dry, Green—Sherwin-Williams Co
SOLFAST RED: Colors, Dry, Red—Sherwin-Williams Co
SOLFAST SKY BLUE: Colors, Dry, Phthalocyanine Blue—Sherwin-Williams Co
SOLIDEX: Paints, Wall—Pratt & Lambert
SOLIDINA: Fixing Agents, Dye—Standard Chem Products
SOLIDOGEN: Fixing Agents, Textile—General Dyestuff Corp
SOLIGEN: Products—Advance Solvents & Chem Corp
SOLINOX: Products—Spencer Kellogg & Sons
SOLKA: Cellulose—Brown Co
SOLKA-FLOC: Cellulose—Brown Co
SOLO-CLEAN: Cleaners, Dairy—Solvit Chem Co
SOLOCODS: Products—Reilly-Whiteman-Walton Co
SOLOPHENYL: Dyes, Direct—Geigy Co
SOLOX: Solvents, Proprietary Alcohol (Shellac)—U S Industrial Chem
SOLOX DI: Fluids, De-Icing—U S Industrial Chem
SOLOZONE: Sodium Peroxide—E I Du Pont de Nemours & Co, Electrochem Dept
SOLROS: Rosin, Wood—Newport Industries
SOLVAWAX: Wax, Carnuba, Substitute—Cornelius Products Co
SOLVAWAX: Waxes, Synthetic—General Wax Refg Co
SOLVAY: Products—Milwaukee Solvay Coke Co
SOLVENOL: Solvents—Hercules Powder Co
SOLVESSO: Naphthas, Aromatic—Humble Oil & Refining Co
SOLVET: Cleaners—Industrial Colloids & Chem
SOL-VET: Water Treatments—Anderson-Stolz Corp
SOLVIT: Cleaners—Solvit Chem Co
SOMERSET: Pigments, Red—E I Du Pont de Nemours & Co, Pigments Dept
SONCO: Products—E Sonnenschein & Co
SOPANOX: Tolyl Biguanide—Monsanto Chem Co, Phosphate Div
SORAPAL: Germicides—General Dyestuff Corp
SORAPON: Scouring Compounds—General Dyestuff Corp
SORBIT: Alkyl Naphthalene Sulfonate—Airose Chem Co
SORCE-SAVER: Equipment, Materials Handling—Hyster Co
SORMARE: Pumps—Gorman-Rupp Co
SOROMINE: Softeners, Textile—General Dyestuff Corp
SOTEX: Products—Synthetic Chem
SOUTHERN: Products—Columbia-Southern Chem Corp
SPA: Filters, Water—Sparkler Mfg Co
SPACEMASTER: Trucks, Fork—Lewis-Shepard Products
SPAR SAN: Sanitizers, Detergent—Utility Chem Co
SPARKLEEN: Detergents—Utility Chem Co
SPARKLER: Filters—Sparkler Mfg Co
SPARTAN: Beltings, Power Transmission—Graton & Knight Co
SPEAR: Products—Jordan Co
SPECIALIME: Buffing Compositions—Hanson-Van Winkle-Munning Co
SPECIAL-X: Fluxes, Soldering—Industrial Service Labs
SPECTROLENES: Bases, Diazo, Stabilized—Hilton-Davis Chem Co
SPEEDBELT: Conveyors, Power, Horizontal—Speedways Conveyors
SPEEDECK: Products—Mobile Paint Mfg Co
SPEEDEX: Filter Aids—Great Lakes Carbon Corp
SPEEDFLOW: Filter Aids—Great Lakes Carbon Corp
SPEEDLIFT: Conveyors, Belt, Power—Speedways Conveyors
SPEEDLINE: Fittings, Corrosion-Resistant—Horace T Potts Co
SPEEDOMAX: Recorders—Leeds & Northrup Co
SPEEDPLUS: Filter Aids—Great Lakes Carbon Corp
SPEEDTUBE: Conveyors, Roller-Speedways Conveyors
SPEED-VALVE: Valves, Threadless Tubing—Autoclave Engrs
SPEEDWAYS: Conveyors, Wheel-Speedways Conveyors
SPEID-WHIT: Products—Speiden-Whitfield Co
SPENSOL: Fertilizers, Chemical Concentrated—Spencer Chem Co
SPEREICONE: Softeners, Water—Graver Water Conditioning Co
SPERGON: Fungicides—Naugatuck Chem Div
SPERMOL: Oils—Ottol Oil Co
SPHINX: Adhesives—Arabol Mfg Co
SPIEGEL: Pumps—Easy Industries
SPIRIT DYBRYTE: Dyes, Basic—Calco Chem Div
SPIROTO: Inks, Rotogravure—Gotham Ink & Color Co
SPONGE-AIRE: Sweatbands—Goggle Parts Co

SPRACO: Products—Spray Engrg Co
SPRADUSTO: Insecticides, Garden—Miller Products Co
SPRA-O-CIDE: Insecticides, Garden—Miller Products Co
SPRATONE: Insecticides, Garden—Miller Products Co
SPRAY: Spray Solutions, Non Offset—Paisley Products
SPRAY ALL: Bases, Insecticide—B R Elk Co
SPREX: Cleaners—DuBois Co
SQUARE SIFTER: Sifters, Gyratory—Allis-Chalmers Mfg Co
STABELAN: Stabilizers,—Stahelan Chem Co
STABILIDE: Potassium Iodide, Calcium Stearate Stabilized—Mallinckrodt Chem Wks
STABILITE: Anti-Oxidants, Rubber—C P Hall Co
STABL-DEE: Vitamin D—Standard Brands
STACLEAR: Screens, Long Opening—Ludlow-Saylor Wire Co
STAFCO: Pasting Compounds, Leather—Stahl Finish Co
STAFLEX: Plasticizers—Deecy Products Co
STAINLEND: Electrodes, Stainless—Arcoa Corp
STA-KLEEN: Screens, Vibrating—Allis-Chalmers Mfg Co
STAMINA: Adhesives—Standard Glue Co
STAN ADD: Lubricant Additives—Standard Oil Co
STAN MARK: Markings, Rubber—Harwick Standard Chem Co
STAN TONE MBS: Colors, Rubber & Vinyl—Harwick Standard Chem Co
STAV-CLAY: Filters—Harwick Standard Chem Co
STANCO: Carbon Black—United Carbon Co
STANDAFIN: Finishes, Textile—Standard Chem Products
STANDAPOL: Oils, Sulfonated—Standard Chem Products
STANDARD: Insecticides, Farm—Standard Oil Co
STANDARD AIR FLOAT: Clays, Filler—Georgia Kaolin Co
STANDARD ELECTROCAST: Refractories—Standard Refractories Co
STANDARD TIMERS: Timers, Measuring—Standard Elec Time Co
STANDARDAIRE: Blowers-Read Standard Corp
STANDATROL: Controls, Vacuum—Bailey Meter Co
STANDLAC: Lacquers, Metal—Standard Varnish Wks
STANICUT: Cutting Compounds—Standard Oil Co
STANNOCHLOR: Chromium—Metal & Thermit Corp
STANNOCHLOR: Tin Chloride—Prior Chem Corp
STANOIL: Lubricants—Standard Oil Co
STANOLIND: Wax, Petroleum—Standard Oil Co
STANOLITH: Greases—Standard Oil Co
STANORUST: Anti-Rusting Compounds—Standard Oil Co
STANSO BLEACHADE: Assistants—Standard Soap Co of Camden
STANSO CLEN: Boil-Off Compounds, Textile—Standard Soap of Camden
STANSO SAVON: Removers, Textile Stain—Standard Soap Co of Camden
STANSO TEX OIL: Oils, Textile—Standard Soap Co of Camden
STANTEOSINE: Softeners, Substantive—Standard Chem Products
STANTEX: Fabrics, Corrosion-Resistant—Wm W Stanley Co
STANTEX: Oils, Cotton—Standard Chem Products
STANTOX: Enamels, Synthetic—Standard Varnish Wks
STANZIOL: Gloves, Rubber—Pioneer Rubber Co
STANZOL: Sealers, Wood—H V Smith & Co
STAPAK: Drums, Fibre—Continental Can Co
STAPLBOND: Brushes, Wire and Tampico—Hanson-Van Winkle-Munning Co
STAR: Stabilizers, Bleach—Philta Quartz Co
STASAFE: Clothing, Protective—Standard Safety Equipment Co
STASMOOTH: Screens, Woven Wire—Ludlow-Saylor Wire Co
STA-STAK: Bags, Multiwall, Paper—Arkell & Smiths
STA-TRU: Screens, Long Opening—Ludlow-Saylor Wire Co
STAYBELITE: Resins—Hercules Powder Co
STEAMCOOLED: Motors—Baldor Elec Co
STEARAL: Alcohol, Stearyl—Robinson-Wagner Co
STEARITE: Oils, Fish (Hydrogenated)—Witco Chem Co
STEARNS: Detectors, Electronic Holiday—D E Stearns
STEELAB: Furniture, Laboratory—Lab Furniture Co
STEELBLAST: Abrasives—Sabin Mach Co
STEELFLEX: Coupling, Rigid—Falk Corp
STEEL-KLEEN: Cleaners, Alkali—Heatbath Corp
STEEL-SET: Glues, Industrial Repair—Paisley Products
STELLAR: Clays, Coating—Edgar Bros Co
STEPANOL: Sulfonates—Stephan Chem Co
STERITRON: Water Sterilizers, Ultraviolet—Hanovia Chem & Mfg Co
STERLCO: Pumps—Sterling Inc
STERO-KEM: Products—Damon Chem Co
STEROKOL: Germicides, Preservative—Wallerstein Co
STEROX: Wetting Agents—Monsanto Chem Co, Phosphate Div
STEVEDORE: Trucks, Gasoline Fork—Yale & Towne Mfg Co
STEVEDORE, JR: Conveyors, Portable—Rapid-Standard Co
STIKTOTIN: Pastes—Marks Chem Works
STIKTOTIN: Pastes, Label—Stiktotin Co
STILBENE: Dyes, Direct—General Dyestuff Corp
STILBEST: Fluxes—Linick Chem Co
STIMTOX: Pyrethrum—John Powell & Co
STINDLING: Boilers—Babcock & Wilcox
STIX: Cements, Plastic—Adhesive Products Corp
STIXSO: Adhesives—Philta Quartz Co
STOCKADE: Insecticides—Farm-Rex Research Corp
STOKOLITE: Dippers—Stokes Molded Products
STOVLIME: Compositions, Buffing—Hanson-Van Winkle-Munning Co
STRADDLE TRUCK: Carriers—Hyster Co
STRAN-STEEL: Steel Framing, Lightweight Nailable—Kraftile Co
STREAMBARKER: Barkers, Log—Allis-Chalmers Mfg Co
STREAMJET: Nozzles, Spray—Spraying System Co
STREAMLINER: Sterilizers—Precision Scientific Co
STRIPSOL: Glues, Stripping, Cold Water Soluble—Paisley Products
STRIP-Z-IT: Removers, Paint and Varnish-A J Stull & Co
STROBOTAC: Tachometers—Gen Radio Co
STRODOX: Detergents—Dexter Chem Corp
STRONG: Specialties, Steam—Strong, Carlisle & Hammond Co
STRYPP: Cleaners—DuBois Co
STYL-O-MATIC: Accumulators—Island Equipment Corp
STYL-O-VEYOR: Conveyors, Portable—Island Equipment Corp
STYMER Sizings, (Paper & Textile)—Merrimac Div, Monsanto Chem Co
STYRESOL: Resins, Alkyd, Styrenated—Reichhold Chem
STYRETEX: Resins, Alkyd—Jones-Dabney Co
STYROFOAM: Polystyrene—Dow Chem Co
STYRON: Polystyrene—Dow Chem Co
STYRYX: Resins, Polystyrene—G A Wharry & Co
SUBETTE: Pumps, Submersible—Byron Jackson Co
SUBMINATURE: Switches—Minneapolis-Honeywell Regulator Co, Micro Switch Div
SUBWAY: Floorings, Steel-Open—Irving Subway Grating Co
SUDAN: Dyes, Resin—General Dyestuff Corp
SUDS: Cleaners—DuBois Co
SUDS-A-LOT: Detergents—Barton Chem Co
SUEEN: Products—Michigan Chem Corp
SULCHLOR BASES: Bases, Extreme Pressure—Carlisle Chem Works
SULCO: Water Compounds—Sullivan Co
SULFAMIN: Sulfonates, Alkyl Aryl—Ultra Chem Works
SULFAN: Sulfuric Anhydride, Stabilized—Allied Chem & Dye Corp, Gen Chem Div
SULFORON: Sulfur, Wettable—E I Du Pont de Nemours & Co, Grasselli Chem Dept
SULPHENONE: p-Chlorophenyl Phenyl Sulfone—Stauffer Chem Co
SULPHO FLAVINE: Dyes, Acid—General Dyestuff Corp
SULPHOL: Oil, Sulfonated, Cod—Kehew-Bradley Co
SULPHON: Dyes, Acid—General Dyestuff Corp
SUNNY SOL: Chlorine—J W Jones Co
SUNNY WASH: Bleaches, Laundry—No-Name Products
SUNNYSIDE: Products—Sunnyside Oil Co
SUNOLITE: Waxes, Anti-Suncheckling—Witco Chem Co
SUNOLITH: Lithopone—Chem & Pigment Co
SUNPROOF: Inhibitors, Static Cracking—Naugatuck Chem Div
SUNSEAL: Pastes, Wheat—Cole & De Graf
SUNTITLE: Materials, Ceramic—Cambridge Tile Mfg Co
SUPARICO: Containers, Liquid Gas—Superior Air Products Co
SUPER-7: Belts, V—Allis-Chalmers Mfg Co
SUPER 12: Photographic Products—Edwal Labs
SUPER 20: Photographic Products—Edwal Labs
SUPER ADACHROME-CAST: Cements, Refractory—Bot-field Refractories Co
SUPER ARMORPLATE: Lenses, Goggle—American Optical Co
SUPER B: Barytes—Smith Chem & Color Co
SUPER BES-BLO: Blowers, Attachment—Beeler Corp
SUPER KARNS: Lubricants—Pennsylvania Refining Co
SUPER PYRO: Anti-Freeze—U S Industrial Chem
SUPER SPEED: Fittings, Sanitary—Tri-Cover Mach Co
SUPER SYFON: Products—Great Western Mfg Co
SUPER TEXINE: Inhibitors, Corrosion—Consolidated Industries
SUPER VENT: Goggles, Chemical—American Optical Co
SUPER WHITE: Clays, Textile—Georgia Kaolin Co
SUPERAID: Filter Aids—Great Lakes Carbon Corp
SUPER-BECKACITE: Resins, Phenolic (Pure)—Reichhold Chem
SUPER-CENTRIFUGE: Centrifuges, Continuous High Speed—Sharples Corp
SUPERCHEM: Compounds—Superior Chem Wks
SUPERCLEAR: Thickeners, Printing—Jacques Wolf & Co
SUPERFLAKE: Products—Superior Flake Graphite Co
SUPERHOMO: Homogenizers—Cherry-Burrell Corp
SUPERIA: Oils, Mineral—Standard Oil Co
SUPERIOR: Cruthers—Allis-Chalmers Mfg Co
SUPERIOR MCCULLY: Crushers, Gyratory—Allis-Chalmers Mfg Co
SUPERKNEADER: Mixers, Double Arm Type—H W North Co
SUPERLIME: Buffing Compositions—Hanson-Van Winkle-Munning Co
SUPERLOID: Lacquers—Kay & Ess Co
SUPER-LOY: Screens, Woven Wire—Ludlow-Saylor Wire Co
SUPERMAL: Chains & Buckets—Jeffrey Mfg Co
SUPER-REFINED: Oil, Various, Alkali Refined—Pacific Vegetable Oil Corp
SUPER-SILVERTOP: Traps, Steam—V D Anderson Co
SUPER-SOL: Naphtha, Deodorized—Pennsylvania Refining Co
SUPERSPUN: Products—Combustion Engrg-Superheater
SUPERTECK: Oil, White Mineral—Pennsylvania Refining Co
SUPER-TEMPERED: Screens, Precision—Colorado Fuel & Iron Corp
SUPERTHERM: Hot Water Systems, High Pressure—J O Ross Engrg Corp
SUPRAMINE: Dyes, Acid—General Dyestuff Corp
SUPRANOL: Dyes, Acid—General Dyestuff Corp
SUPREME: Lime-Palmyra Lime Products Co
SUPREME: Products—Clinton Foods
SUPREX: Clays—J M Huber Corp
SURE RETURN: Pumps, Condensation—Chicago Pump Co
SUREWELD: Apparatus, Welding—National Cylinder Gas Co
SURFACE: Burners—Surface Combustion Corp
SURFADYNE: Leveling Agents, Textile—Essential Chem Co
SURFAMAX: Filters—Micro Metallic Corp
SURFA-SEALZ: Rubber Compounds—Nagatuck Chem Div
SURFEX (R): Products—Diamond Alkali Co
SUSPENSO (R): Products—Diamond Alkali Co
SWAGELOK: Products—Crawford Fitting Co
SWEATLESS: Powders, Moisture Absorbing—Paisley Products
SWEECO: Milk Sugar—Sheffield Farms Co, Chemurgic Div
SWEETLAND: Filters, Pressure—Oliver United Filters
SWIFTER LIFTER: Elevators, Portable—Economy Engrg Co
SYLKYD 60: Resins, Silicone-Alkyd—Dow Corning Corp
SYLOID: Flatting Agents for Lacquers—Davison Chem Corp
SYNARYL: Gums, Synthetic—Alkydol Labs
SYN-BRITE: Soaps, Dry-Cleaning—Industrial Colloids & Chem
SYNCAST: Resins, Bonding & Casting—Snyder Chem Corp
SYNCHRO-METER: Meters, Flow—Bailey Meter Co
SYNCHRO-OPERATOR: Synchronizing Devices, Automatic—Allis-Chalmers Mfg Co
SYNCO: Adhesives & Resins—Snyder Chem Corp
SYNCO OILS: Products—Reilly-Whiteman-Walton Co
SYNDUR: Enamels, Synthetic—Kay & Ess Co
SYNEKTAN: Tannins, Synthetic—Jacques Wolf & Co
SYNFONATE: Sulfonates, Motor Oil Detergents—U B Bray Co
SYNITE: Enamels,—Arco Co
SYNOSUDS: Cleaners—Industrial Colloids & Chem
SYN-O-TOL: Amino Condensates, Fatty Acid—E F Drew & Co
SYNPEP-N: Pasticizers, Rubber-Harwyd Chem
SYNSIZE: Resins, Sizing—Snyder Chem Corp
SYNTAX: Plasticizers, Rubber—C P Hall Co
SYNTEKS: Fabrics, Filter—Wm W Stanley Co
SYNTEX: Resins—Jones-Dabney Co
SYNTHAMINE: Softeners, Textile—Synthron Inc
SYNTHAROL: Sizes, Warp Cotton—Arnold, Hoffman & Co
SYNTHAROME: Products—Fluraseynth Labs
SYNTHE-COPAL: Gums, Ester—Reichhold Chem
SYNTHENOID: Varnishes, Synthetic-Reliance Varnish Co
SYNTHENOL: Products—Spencer Kellogg & Sons
SYNTHO: Cements—Electro Chem Engrg & Mfg Co
SYNTHOFRUIT: Products—Fluraseynth Labs
SYNTHOLITE: Detergents—Synthron Inc
SYNTHOPEL: Repellents—Synthron Inc
SYNTHRAVONS: Finishes, Textile—Arnold, Hoffman & Co
SYNTHREZ: Resins, Urea Formaldehyde—Synthron Inc
SYNTHRONON: Detergents—Synthron Inc
SYN-TITE: Glue, Resin—Midland Glue Products Co
SYN-U-TEX: Resins, Urea Formaldehyde—Jones-Dabney Co
SYTON: Slipnage Controls, Fiber—Monsanto Chem Co, Merrimac Div

T-7: Clays—Kraft Chem Co
T C M: Retardants, Rubber—Rare Metal Products Co
THFA: Alcohol, Tetrahydrofurfuryl—Quaker Oats Co
T M P: Trimethylolpropane—Heyden Chem Corp
T P 90-B: Plasticizers, Rubber—Thickol Corp
T P-95: Plasticizers, Rubber—Thickol Corp
TSP N: Products—Maas Chem Co
T W: Glues, Tightwrap—Paisley Products
TABER MODEL 140: Abrasers—Taber Instruments Co
TABER V-5: Gauges, Stiffness—Taber Instruments Co
TAG: Other Instruments (Except Pyrometer Potentiometers)—Weston Elect Instrument Corp
TAKAMINE: Enzymes—Takamine Lab
TAKE-HOLD: Solution Mixes, Plant Starting—Victor Chem Wks
TALASE: Desizing Agents—Takamine Lab
TALINOL: Oil, Tall—Rimco Trading Corp
TALK-A-PHONE: Equipment, Intercommunication—Talk-A-Phone Co
TALLEX: Acid, Abietic—West Va Pulp & Paper Co
TALLOFIN: Softeners, Tallow—Standard Chem Products
TALLOSAN: Tallow, Sulfonated—General Dyestuff Corp
TALLOWENE: Tallow, Buffing—Hanson-Van Winkle-Munning Co
TAMOL: Dispersing Agents—Rohm & Haas Co
TANAK: Tanning Agents—American Cyanamid Co, Industrial Chem Div
TANGITE: Boiler Treatment—Feedwaters Inc
TANIGAN: Tanstuffs, Synthetic—General Dyestuff Corp
TANK-O-METER: Gauges, Liquid Level—Uehling Instrument Co
TANNATE: Beltings, Leather—J E Rhoads & Sons
TANNEX: Drilling Muds, Oil-Well—Baroid Sales Div
TANOSOLS: Tannins, Synthetic—Jacques Wolf & Co
TANTOL: Products—Linick Chem Co
TAPE TITLE: Solutions, Moistening, Gummed Tape—Paisley Products
TARENE: Plasticizers, Resin—National Rosin Oil Products
TARTAN: Products—Magruder Color Co
TAURUS: Glues—Standard Glue Co
TAXITE: Removers, Paint & Varnish—Sherwin-Williams Co
TAYLOR: Products—Taylor Instrument Co

TECHNOSCENT: Deodorants—Fritzsche Bros
TECMANGAM: Manganese Sulfate—Tenn Eastman Co
TECQUINOL: Hydroquinone—Tenn Eastman Co
TEE-JAY: Pastes—Arthur S Hoyt Co
TEFLEN: Packings—Garlock Packing Co
TEFLON: Resins Tetrafluoroethylene—E I Du Pont de Nemours & Co, Polychem Dept
TEGACID: Glyceryl Monostearate—Goldschmidt Chem Corp
TEGIN: Glyceryl Monostearate—Goldschmidt Chem Corp
TEGIN 515: Glyceryl Monostearate—Goldschmidt Chem Corp
TEGIN P: Propylene Glycol Monostearate—Goldschmidt Chem Corp
TEGLAC: Resins, Surface Coating—American Cyanamid Co
TEGO: Film, Resin—Rohm & Haas Co
TEGOSEPT M: Methyl p-Hydroxy Benzoate—Goldschmidt Chem Corp
TEGOSEPT P: Propyl p-Hydroxy Benzoate—Goldschmidt Chem Corp
TELEPRINT: Recorders, Remote Weight—Howe Scale Co
TELESCRIPT: Writing Apparatus, Transmission—Allis-Chalmers Mfg Co
TELLITE: Alarms—Rochester Mfg Co
TEL-TALE: Silica Gel—Davison Chem Corp
TEMP COP: Switches, Thermal—Minneapolis-Honeywell Regulator Co, Micro Switch Div
TEMPERITE: Furnaces, Heat Treating—Hevi Duty Elec Co
TEMP-TROL: Bath, Constant Temperature—Precision Scientific Co
TENAMENE: Additives, Lubricant—Tenn Eastman Co
TENEX: Rosin—Newport Industries
TENITURF: Products—Asphalt Emulsion Service
TENLO: Wetting Agents—Griffin Chem Co
TENOX: Antioxidants—Tenn Eastman Co
TENSILEND: Electrodes, Stainless—Arcoa Corp
TENSILITE: Linings, Tank, Soft Rubber—Pioneer Rubber Mills
TENSOL: Products—Synthetic Chem
TEPPCIDE: Tetraethyl Pyrophosphate—John Powell & Co
TEPTENE: Oils—Spesco Wholesale Hardware Co
TEP-X: Tetraethyl Pyrophosphate—Thompson-Hayward Chem Co
TERCOD: Brick—Electro Refractories & Abrasives Corp
TERGITOL: Active Agents, Surface—Carbide & Carbon Chem Co
TERMITKIL: Termite Killers—Faesy & Besthoff
TERPOSOL: Solvents, High Boiling—Hercules Powder Co
TERRA-LITE: Fertilizers—Zonolite Co
TERSAN: Fungicides, Turi—E I Du Pont de Nemours & Co, Grasselli Chem Dept
TESCO-SAVE: Preservatives, Wood—Tesco Chem
TES-TED CHLORDANE: Insecticides, Household—Tesco Chem
TESTONE: Cements, Plastic—Atlas Mineral Products Co
TETRALIN: Tetrahydronaphthalene—E I Du Pont de Nemours & Co, Organic Chem Dept
TETRAPOL: Spot-Proofing Compounds—General Dyestuff Corp
TETROLIN: Scouring Agents, Textile—Standard Chem Products
TETRON: Tetraethylpyrophosphate—Eston Chem
TETRONE: Accelerators, Rubber—E I Du Pont de Nemours & Co, Organic Chem Dept, Rubber Chem Div
TEXAD: Excessories, Furnace—Bigelow-Liptak Corp
TEXAMINE: Finishes, Textile—Commonwealth Color & Chem Co
TEX-CAL PULVERIZED: Calcium Carbonate—Austin White Lime Co
TEXCEL: Tapes, Cellophane—Industrial Tape Corp
TEXDRIVE: Sheaves, V-Belt—Allis-Chalmers Mfg Co
TEXIRON: Sheaves, Cast Iron—Allis-Chalmers Mfg Co
TEX-O-DORON: Deodorants, Textile—Sindar Corp
TEXROPE: V-Belt Drive Products—Allis-Chalmers Mfg Co
TEXSLIDE: Bases, Motor—Allis-Chalmers Mfg Co
TEXSTEEL: Sheaves, Pressed Steel—Allis-Chalmers Mfg Co
TEXTILE SPIRITS: Solvents, Petroleum—American Mineral Spirits Co
TEXTONE: Deodorants, Textile—Aromatic Products
TEXTONE: Sodium Chlorite—Mathieson Chem Corp
TEXTRAFOAM: Detergents, Textile—Tex-Chem Co
TEXTRAMINE: Softeners, Textile—Tex-Chem Co
TEXTRAVAT: Gums, Textile Printing—Tex-Chem Co
TEXVEL: Tapes, Acetate Fiber—Industrial Tape Corp
TEXWAY: Bases, Motor—Allis-Chalmers Mfg Co
T-GLO-5Y: Varnishes, Rosin—Newport Industries
T-GRID: Furnaces, Electric—Elec Furnace Co
THANITE: Ingredients, Insecticide—Hercules Powder Co
THARCO: Cements, Furnace—Armstrong Co
THERMALOY: Alloys, Heat-Resistant—American Brake Shoe Co
THERMAX: Carbon Black—R T Vanderbilt Co
THERMAX: Carbon Black—Thermatomic Carbon Co
THERMEX: Dryers, Conveyor—Girdler Corp
THERMO: Anti-Freeze, Alcohol—Publicker Industries Co
THERMO-COUSTI: Materials, Insulation—H I Thompson Co
THERMO-DECK: Screens, Vibrating—Allis-Chalmers Mfg Co
THERMO-FINE: Photographic Products—Edwal Labs
THERM-O-FLAKE: Materials, Insulating—Ill Clay Products Co
THERMOFLEX: Anti-Oxidants, Rubber—E I Du Pont de Nemours & Co, Organic Chem Dept, Rubber Chem Div
THERMO-FLO: Heaters—Brown Fintube Co
THERMOLIER: Heaters, Unit—Grinnell Co
THERMOMILL: Systems, Grinding, Drying & Classifying-Hardinge Co
THERMOSCENT: Deodorants—Fritzsche Bros
THERMOSWITCH: Thermostats—Fenwal Inc
THERMOTROLS: Controls, Resistance Thermometer—Wheelco Instruments Co
THERMOVERTER: Products—Bristol Co
THIAZINE: Dyes, Direct—General Dyestuff Corp
THIAZOL: Dyes, Direct—General Dyestuff Corp
THIOFIDE: Accelerators, Rubber—Monsanto Chem Co, Ceramic Chem Div
THIOFLAVINE: Dyes, Basic—General Dyestuff Corp
THIOKOL: Rubber, Synthetic—Thiokol Corp
THIONEX: Accelerators, Rubber—E I Du Pont de Nemours & Co, Organic Chem Dept, Rubber Chem Div
THIONINE: Dyes, Basic—General Dyestuff Corp
THIOPHOS: Parathion—American Cyanamid Co
THIOTAX: Accelerators, Rubber—Monsanto Chem Co, Organic Chem Div
THIOVANIC: Acid, Thioglycollic—Evans Chemistics
THIOVANOL: Thioglycerol—Evans Chemetics
THOMAS: Couplings, Power Transmission—Thomas Flexible Coupling Co
THOMASSET CERTIFIED: Colors, Cosmetic—Whittaker, Clark & Daniels
THOMPSONIZED: Materials, Insulation—H I Thompson Co
THOM-WARD: Insecticides, Farm—Thompson-Hayward Chem Co
THOR: Resins, Foundry—Borden Co
THOROBRED: Belts, V-Dayton Rubber Mfg Co
THOROTPAST: Thorium Dioxide, Colloidal—Heyden Chem Corp
THREE ELEPHANT: Products—American Potash & Chem Corp
THREE-WAY: Detergents—Science Industries
THRUSTFRE: For Centrifugal Pumps—Pennsylvania Pump & Compressor Co
TI-CAL: Titanium Calcium—E I Du Pont de Nemours & Co, Pigments Dept
TIFACIDE INDOOR FORMULAS: Insecticides—Chemical Insecticide Corp
TIGER: Cups, Grease—Lunkenheimer Co
TILCO-FIN: Tubings, Finned-Extended Surface—David E Kennedy
TILTING DISC: Valves, Check—Chapman Valve Mfg Co
TIME-IT: Timers, Electric—Precision Scientific Co
TIME-O-STAT: Controls, Temperature — Minneapolis-Honeywell Regulator Co
TIME-O-SWITCH: Switches, Time—Minneapolis-Honeywell Regulator Co
TIMEPROOF: Products—Timeproof Paint Products
TIMKEN: Products—Timken Roller Bearing Co
TIOPET: Oils—Tiona Petroleum Co
TIP-TOP: Specialties, Automobile—Thompson Chem Co
TI-PURE: Titanium Dioxide—E I Du Pont de Nemours & Co, Pigments Dept
TIRE: Sulphur, Rubbermakers'—Stauffer Chem Co
TITANOX—A: Pigments, Titanium Dioxide—Titanium Pigment Corp
TITANOX-RA: Pigments, Titanium Dioxide—Titanium Pigment Corp
TITANOX-RCHT: Pigments, Calcium Sulfate—Titanium Pigment Corp
TITANOX-TG: Titanium Bioxide, Technical Grade—Titanium Pigment Corp
TITE-CAP: Machines, Bottle Capping—Tite-Can Mach Co
TITROLOG: Recorders, Sulfur-Consolidated Engr Corp
TITRONIC: Titration and Concentration Control Systems, Automatic—Milton Roy Co
TIZ: Soaps, Laundry—Mitchell Fels
TOBIN BRONZE: Alloys, Copper, Zinc & Tin—American Brass Co
TON-CAP: Cloth, Wire—W S Tyler Co
TONKAIRE: Deodorants—Compagnie Parento
TONOX: Toners, Rubber—Naugatuck Chem Div
TONSIL: Clays, Activated—L A Salomon & Bro
TOOL COOL: Oils, Cutting, Sulfurized—Franklin Oil & Gas Co
TOP PERFORMANCE: Condensers—Hudson Engrg Corp
TORCHWELD: Apparatus, Welding—National Cylinder Gas Co
TOREFOUR: Insecticides, Garden—Miller Products Co
TORENOL: Insecticides, Garden—Miller Products Co
TOREX: Enamels, Chemical-Resistant—Inertol Co
TORIT: Blowers—Torit Mfg Co
TOTALUME: Products—Wilbur & Williams Co
TOTEMASTER: Trucks—Lewis-Shepard Products
TOTRUST: Products—Wilbur & Williams Co
TOWER: Chemicals, Pharmaceutical—Chas L Huisking & Co
TOXICHLOR: Chlordane—Thompson-Hayward Chem Co
TRACLOADER: Loaders—Taackson Co
TRAC-PULL: Wheels for Bucket Elevators—Beaumont Birch Co
TRACYFIER: Extractors, Liquid—Blaw-Knox Co
TRADEX: Cleaners—F W Speekman Co
TRANSET: Transmission Systems, Pneumatic—Taylor Instrument Co
TRANSLUX: Varnishes, Oleo-Resinous—Reliance Varnish Co
TRANSPHALT: Resins, Aromatic—Pennsylvania Industrial Chem Corp
TRANSPORT: Drums, Grease-Proof—Emery-Carpenter Container Co
TRANSPORTDICATOR: Indicators, Remote—Sintering Machy Corp
TRANSPORTER: Ejectors, Pneumatic—Yeomans Bros Co
TRANSPORTOFEEDER: Conveyors, Weighing—Sintering Machy Corp
TRANSPORTOGRAPH: Recorders, Remote Chart—Sintering Machy Corp
TRANSPORTOMETER: Conveyors, Weighing—Sintering Machy Corp
TRANSPORTOWEIGHER: Conveyors, Weighing—Sintering Machy Corp
TRASTAN: Extracts, Tanning—Arthur C Trask Co
TRAXCAVATOR: Loaders, Car—Taackson Co
TREET-ALL: Furnaces, Heat Treating—Hevi Duty Elec Co
TREET-O-LYTE: Products—Proportioneers Inc
TREM: Emulsifiers—Griffin Chem Co
TRENTWELD: Tubings, Stainless—Crucible Steel Co of America
TREX: Emulsifiers—Griffin Chem Co
TRI-6: Benzene Hexachloride—Thompson-Hayward Chem Co
TRIAD: Solvents, Metal Degreasing—Detrex Corp
TRI-ALLOY: Fittings, Sanitary—Tri-Clover Mach Co
TRIANGLE: Carbon Black—United Carbon Co
TRIANGLE: Sulphur, Flour (Powdered)—Stauffer Chem Co
TRIANGLE: Weighings & Measurings, Semi-Automatic—Triangle Package Machy Co
TRIANOL: Boil-Off Compounds, Textile—Scholler Bros
TRI-BASIC: Copper Sulphate—Tennessee Corp
TRICLENE: Trichlorethylene—E I Du Pont de Nemours & Co, Electrochem Dept
TRIDEE: Vitamin D—Sterwin Chem
TRIDENT: Meters, Water—Neptune Meter Co
TRIGGER: Cleaners, Floor—Essential Chem Co
TRI-HOMO: Dispersers—Tri-Homo Corp
TRIMENE BASE: Accelerators, Rubber—Naugatuck Chem Div
TRINITY: Wells, Thermocouple—Trinity Equipment Corp
TRINITY SUPERFINE: Talc—Sierra Talc & Clay Co
TRIPADENE: Products—Schwarz Labs
TRIPENTEK: Tripentaerythritol—Heyden Chem Corp
TRIPLE A: Paints, Acid-Alkali Resistant—Quigley Co
TRIPLE-LOK: Tube Fittings, Flare—Parker Appliance Co
TRIPLEX: Buffs—Hanson-Van Winkle-Munning Co
TRIPLEXO: Hose, Petroleum Solvent—Metal Hose & Tubing Co
TRIPTIDE: Glutathione—Schwarz Labs
TRISULPHOIL: Oil, Sulfonated Castor—Scholler Bros
TRI-SURE: Closures, Steel Drum—American Flange & Mfg Co
TRITON: Dispersing Agents—Rohm & Haas Co
TRIVEX: Benzene Hexachloride—Westvaco Chem Div
TRYZYME: Enzymes—Seaboard Industries
TROJAN: Conveyors, Portable—E W Buschman Co
TRONA: Products—American Potash & Chem Corp
TROPICAL: Toners, Lithographic—Marx Max Color & Chem Co
TROPICAL NUT SHELLS: Cleaners, Fur—Bernard Sirotta Co
TROPIC-ZONE: Insecticides—Carnegie Chem Mfg Co
TROY: Engines, Steam—Troy Engine & Mach Co
TROY-ENGBERG: Generating Sets—Troy Engine & Mach Co
TRUBOND: Surface Treatments, Concrete—Concrete Specification Surfacing Co
TRUBOND: Surface Treatments, Concrete—Sidney P Craven
TRUCKER: Truckers, Electric Fork—Yale & Towne Mfg Co
TRULIME: Buffing Compositions—Hanson-Van Winkle-Munning Co
TRULINE: Binders, Core—Hercules Powder Co
TRUMP: Pastes—Arthur S Hoyt Co
TRUODORS: Products—C E Ising Corp
TRU-POUR: Products—Rheem Mfg Co
TRUSCALE: Gauges, Remote Reading—Jerguson Gage & Valve Co
TRYNITE: Paints, Protective—Excelsior Varnish Works
TUB TACK: Softeners, Rubber—Witco Chem Co
TUBE: Sulphur, Rubbermakers' (Refined)—Stauffer Chem Co
TUBE-TURN: Fittings, Welding—Tube Turns
TUCK-O-MATIC: Products—N J Mach Corp
TUEK: Accelerators, Rubber—Naugatuck Chem Div
TUFLEX: Lacquers, Cellulose Base—Coating Materials Labs
TUF-TEX: Cloth, Bolting—W S Tyler Co
TUF-TEX: Varnishes, Synthetic—Reliance Varnish Co
TURBO: Dryers, Rotary Vertical—Wyssmont Co
TURBO GAS ABSORBER: Mixers, Batch—Gen American Transportation Co
TURBO MIXER: Products—Gen American Transportation Corp
TURBO-AERATOR: Mixers, Batch—Gen American Transportation Corp
TURBO-CONTACTOR: Mixers, Batch—Gen American Transportation Corp
TURBO-DISPERSER: Mixers, Batch—Gen American Transportation Corp
TURBO-RUPTOR: Depotentiators, Arc—Allis-Chalmers Mfg Co
TURBO-TREATER: Mixers, Batch—Gen American Transportation Corp
TURBULAIRE: Dryers, Spray & Dispersion Process—Western Precipitation Corp
TURCO: Tanning Agents, Brown—Taylor White Extract Co
TURCOTAN: Tanning Agents—Taylor White Extract Co
TURGUM: Chemicals, Rubber—J M Huber Corp
TURPENOL: Oils, Kier—Standard Chem Products
TURRET: Machinery, Label—Economic Machy Co
TWIN-TWIST: Packings, Metallic—Marlo Co
TWIN-WELD: Hose, Welding—Hewitt-Robins
TWITCHELL: Oils, Textile—Emery Industries
TYCOL: Lubricants—Tide Water Associated Oil Co

TYGON: Plastics, Tubing, Paints, etc—U S Stoneware Co
TYLER STANDARD SCREEN SCALE: Sieves, Laboratory—W S Tyler Co
TYLER-NIAGARA: Screens, Vibrating—W S Tyler Co
TYPE AC: Filters, Dust—Day Co
TYPHOON: Mixers—Patterson Foundry & Mach Co
TY-PIY: Adhesives—Borg-Warner Corp
TY-ROCK: Screens, Vibrating—W S Tyler Co
TY-ROD: Cloth, Wire—W S Tyler Co

UBABOND: Adhesives—Union Bay State Chem Co
UBAGRIP: Adhesives—Union Bay State Chem Co
UBATEX: Emulsions, Polystyrene—Union Bay State Chem Co
UBDYRUTE CHEMICAL HARDENER: Concrete Surface Treatment—Ceresit Waterproofing Corp
UCILON: Coatings—United Chromium
UCON: Fluids & Lubricants—Carbide & Carbon Chem Co
UFORMITE: Resins, Synthetic—Rohm & Haas Co
ULTEX: Accelerators, Rubber—C P Hall Co
ULTIMATE: Products—Island Equipment Corp
ULTRA RAY: Pearl Essence—Edward T Petow & Son
ULTRAFLEX: Resins—Hercules Powder Co
ULTRAMAX: Burettes, Automatic—Emil Greiner Co
ULTRAMIN: Specialties, Textile—Ultra Chem Works
ULTRANATE: Sulfonates, Petroleum—Atlantic Refining Co
ULTRAPOLE: Amine Condensate—Ultra Chem Works
ULTRA-SOL: Detergents—Thomoson-Hayward Chem Co
ULTRATONE: Developers, Photographic—Mallinckrodt Chem Wks
ULTRAWET: Detergents, Synthetic—Atlantic Refining Co
ULTRON: Polyvinyl Acetals—Monsanto Chem Co, Plastics Div
ULTROSO: Vinyl Organosol—Monsanto Chem Co, Merrimac Div
ULTROX: Zirconium Silicate—Metal & Thermit Corp
UMBRATHOR: Thorium Dioxide, Colloidal—Heyden Chem Corp
UNARCO: Gaskets—Union Asbestos & Rubber Co
U-NEED-IT: Anti-Freeze, Alcohol—Dagmar Chem Co
UNIBESTOS: Insulating Materials, Heat—Union Asbestos & Rubber Co
UNI-CAST: Conveyors, Flights—Beaumont Birch Co
UNICEL: Blowing Agents, Sponge—E I Du Pont de Nemours & Co, Organic Chem Dept, Rubber Chem Div
UNICHROME: Chemicals—United Chromium
UNI-FLO: Hoods, Exhaust—Claude B Schneible Co
UNI-HARD: Salt Bath for Heat Treating Steel—Heat-bath Corp
UNI-LAK: Lacquers, Leather—Kepec Chem Corp
UNILETS: Fittings, Conduit—Appleton Elec Co
UNION: Chains—Union Chain & Mfg Co
UNION: Naphthas—Union Oil Co of Cal
UNION: Wheels, Polishing—Hanson-Van Winkle-Munning Co
UNIPAR: Sealing Compounds, Thread—Parker Appliance Co
UNIPOWER: Agitators—Patterson Foundry & Mach Co
UNI-PULL: Drives, Flat Belt—Graton & Knight Co
UNIRESINS: Resins, Coating—Kepec Chem Corp
UNISTEL: Dryers—Unistel Textile Mach Corp
UNIT: Cranes—Unit Crane & Shovel Co
UNITAIR: Compressors, Air—Joy Mfg Co
UNITANE: Pigments—Calco Chem Div
USS CARILLOY STEELS: Alloys, Stainless Steel—U S Steel Co
USS COR-TEN: Alloys, Impact-Resisting—U S Steel Co
USS MAN-TEN: Alloys, Impact-Resisting—U S Steel Co
USS STAINLESS: Steel, Stainless—U S Steel Co
USS A-R STEEL: Alloys, Abrasion-Resisting—U S Steel Co
USS TRI-TEN: Alloys, Impact-Resisting—U S Steel Co
UNITIZED: Conveyors, Belt—Island Equipment Corp
UNITOL: Oil, Tall—Smith Chem & Color Co
UNITOL: Oil, Tall—Union Bag & Paper Corp
UNITOP: Breakers, Circuit—Allis-Chalmers Mfg Co
UNITROL: Sectionalized Motor Control Center—Cutler-Hammer
UNIVERSAL: Conveyors, Trolley—E W Buschman Co
UNIVERSAL: Gears, Bevel—Condenser Service & Engrg Co
UNIVERSAL: Purifiers—Allis-Chalmers Mfg Co
UNIVERSAL: Wheels, Polishing—Hanson-Van Winkle-Munning Co
UNIVIS: Oils, Hydraulic—Humble Oil & Refining Co
UNIVIS: Oils, Hydraulic—Penola Oil Co
UNOX: Active Agents, Surface—Carbide & Carbon Chem Co
UPACO: Adhesives—Union Paste Co
UPLIFTER: Elevators, Portable—Revolvator Co
UP-RIGHT: Scaffolds—Up-Right Scaffolds
URAC: Resins—American Cyanamid Co
UREKA: Accelerators, Rubber—Monsanto Chem Co, Organic Chem Div
UROKON: X-Ray Diagnosis Contrast Media—Mallinckrodt Chem Wks
USAMINE: Disinfectants, Industrial—U S Sanitary Specialties Corp
UTAH: Conveyors, Vibrating—Allis-Chalmers Mfg Co
UTALOY: Castings, Steel—Elmco Corp
UTILASTIC: Adhesives, Rubber-Metal—Paisley Products

V3: Switches—Minneapolis-Honeywell Regulator Co, Micro Switch Div
V-90: Acid, Leavening—Victor Chem Works
VGB: Anti-Oxidants, Rubber—Naugatuck Chem Div
V W: Polish, Metal—Hanson-Van Winkle-Munning Co
VACUFLOW: Filling Machines, Powder—Pneumatic Scale Corp
VACUMETAL: Mercury—Metalsalts Corp
VACUUMSTAT: Controls, Furnace—Minneapolis-Honeywell Regulator Co
VAIRFLO: Cooling Towers, Spray—Marley Co
VAL-DOL: Products—Overseas Enterprises
VALDURA: Paints—American-Marietta Co
VALENCIA: Pumice Stone—Whittaker, Clark & Daniels
VALLEZ: Pressure Filters, Rotary Leaf—Goslin-Birmingham Mfg Co
VALVOLINE: Products—Freedom-Valvoline Oil Co
VALVRATOR: Valves—Fischer & Porter
VAN ALLEN-WOOD VENEER PROCESS: Bleaches, Wood—L R Van Allen Co
VANADELLA: Flavors, Bakers' & Confectioners'—Givaudan Flavors
VANADISET: Resins, Hyrocarbon—Wilson Carbon Co
VANCIDE: Fungicides—R T Vanderbilt Co
VANCORAM: Products—Vanadium Corp of America
VANETTE: Products—Florasynth Labs
VANILLA VERITAS: Products—Florasynth Labs
VANILLAROME: Products—Florasynth Labs
VAPE-SORBER: Oil Vapor Removal from Air and Gas (Filters, Air)—Selas Corp of America
VAPORITER: Aftercoolers, Refrigerant—Vilter Mfg Co
VAPORLIFT: Products—Hammond Iron Works
VAPORSTAT: Controls, Furnace—Minneapolis-Honeywell Regulator Co
VARCUM: Products—Varcum Chem Corp
VARCUM: Resins, Phenolic—Cole & De Graf
VAREC: Valves, Aluminum—Vapor Recovery Systems
VARIAC: Transformers, Variable—Gen Radio Co
VARIAMINE: Dyes, Azo—General Dyestuff Corp
VARIATOR: Joints, Expansion—American District Steam Co
VARI-LAMP: Regulators, Feeder Voltage—Allis-Chalmers Mfg Co
VARI-PITCH: Sheaves, V-Belt—Allis-Chalmers Mfg Co
VARNITIZED: Materials, Filter—Varniton Co
VARNITON: Products—Varniton Co
VARNO-CEMENT: Cements, Plastic—Varniton Co
VARNODAG: Graphite Colloidal—Acheson Colloids Corp
VARSOL: Naphthas, Cleaner's—Humble Oil & Refining Co
VATRO GUMS: Gums, Textile Printing—Royce Chem Co
VATROLITE: Sodium Hydrosulfite—Royce Chem Co
VATSOL: Wetting Agents—American Cyanamid Co
VEE-CHLOR: Products—Industrial Colloids & Chem
VEEDUX: Penetrants, Textile—Commonwealth Color & Chem Co
VEEGUM: Magnesium Aluminum Silicate—R T Vanderbilt Co
VEEJET: Nozzles, Spray—Soraying System Co
VEGAN: Fixing Agents, Textile—General Dyestuff Corp
VEGIMAL: Glue, Vegetable—Paisley Products
VEJIN: Products—Veijin Inc
VEL: Detergents, Household—Colgate-Palmolive-Peet Co
VELAC: Shellac Substitutes—Avon Trading Co
VELATRUM: Wax, Paraffin—Industrial Raw Materials Corp
VELGLOW: Finishes, Textiles—Standard Soap Co of Camden
VELITE: Products—Mobile Paint Mfg Co
VELLO: Paints, Casein—Monsanto Chem Co, Western Div
VELO: Products—Keystone Lubricating Co
VELOMETER: Measuring Instruments, Air Velocity—Illinois Testing Lab
VELVACAST: Clays, China—Georgia Kaolin Co
VELVETONE: Calcium Carbonate—William D Egleston Co
VELVO SOFTENERS: Tallow, Sulfonated—Royce Chem Co
VELVORAY: Finishes, Textile—Royce Chem Co
VENTUBE: Hose, Air—E I Du Pont de Nemours & Co
VERDINAL: Perfume Bases—E I Du Pont de Nemours & Co, Organic Chem Dept
VERMICULITE: Insulation Materials, Heat—Zonolite Co
VERSATAL: Pumps, Spray—Stewart-Warner Corp
VERSENATE INDICATOR (HARD WATER): Indicators, Analytical—Bersworth Chem Co
VERSENES: Sequestering Agents—Bersworth Chem Co
VIBRA-FEEDER: Feeders, Vibrating—Hewitt-Robins
VIBRA-VEYOR: Conveyors, Vibrating—Hewitt-Robins
VIBREX: Screens, Vibrating—Hewitt-Robins
VIBRIN: Resins, Polyester—Naugatuck Chem Div
VIBRO-GRAVER: Vibrators—Burgess Vibro-Crafters
VIBRO-SPRAYER: Machines, Spraying—Burgess Vibro-Crafters
VIBROX: Packers, Bag—B F Gump Co
VICREAM: Acid, Leavening—Victor Chem Works
VICTALUBE 5810: Additives, Lubricant—Corrosion Preventive—Victor Chem Works
VICTAMIDE: Flameproofing Agents—Water Softeners—Victor Chem Works
VICTOR: Emulsions, Wax—Fiebing Chem Co
VICTOR: Products—Pioneer Rubber Mills
VICTORIA: Clays, Ball—United Clay Mines Corp
VICTORY: Wheels, Cloth Polishing—Hanson-Van Winkle-Munning Co
VICTORY POWDER: Powders, Break—Legrand Chem Corp
VIKING: Oil, Cod Liver—Marine Products Co
VIM-LEATHER: Packings, Hydraulic—E F Houghton & Co
VIM-TRED: Belting, Power Transmission—E F Houghton & Co
VINALOY: Cements, Acid-Proof—Atlas Mineral Products Co
VINAROL: Finishes, Textile—General Dyestuff Corp
VINCOTE: Coatings, Booth, Plastic Spray—Detrex Corp
VINOX: Resins, Polyvinyl—G A Wharry & Co
VINSOL: Resins—Hercules Powder Co
VINYCOL: Dispersions, Pigment—C J Osborn Co
VIOLAMINE: Dyes, Acid—General Dyestuff Corp
VIOLLYS: Ionone—Naugatuck Aromatics
VIRGO DESCALING SALT: Cleaners, Molten Salt—Hooker Electrochem Co
VIRGO MOLTEN CLEANER: Cleaners, Molten Salt—Hooker Electrochem Co
VISAFLAME: Burners, Oil—Mercoid Corp
VISCARIN: Extracts, Carrageheen—Algin Corp of America
VISCO-MAT: Viscosity Controls, Adhesive—Triangle Package Machy Co
VISCORATOR: Viscosimeters—Fischer & Porter
VISECAR: Gaskets, Steel Drum; Gaskets, Rubber—Rieke Metal Products Corp
VISEGRIP, FLEXSPOUT: Closures, Steel Drum—Rieke Metal Products Corp
VISKOPLUS: Products—Advance Solvents & Chem Corp
VISPLONAL: Products—Advance Solvents & Chem Corp
VISQUEEN: Polyethylene—Visking Corp
VISTANEX: Polybutenes—Enjay Co
VITAMISER: Feeders, Volumetric Disc Type—Omega Mach Co
VITA-RICH: Vitamin Concentrates—Thompson-Hayward Chem Co
VITASTAIN: 2,3,5-Triphenyltetrazolium Cloride—Arapahoe Chem
VITOZONE: Deodorants—Fuld Bro
VITRALITE: Products—Pratt & Lambert
VITREX: Cements, Acid-Proof—Atlas Mineral Products Co
VITRIC-10: Cements, Acid-Proof—U S Stoneware Co
VITRIUM: Packings—Marlo Co
VITROBOND: Cements, Sulfur—Atlas Mineral Products Co
VITRON: Materials, Insulating—Glass Fibers
VITROPLAST: Cements, Acid-Proof—Atlas Mineral Products Co
VIX-SYNPACKING: Packings, Rubber—E F Houghton & Co
VODOL: Lecithin—Welch, Holme & Clark Co
VOGT: Products—Henry Vogt Mach Co
VOLAN: Bonding Agents—E I Du Pont de Nemours & Co, Grasselli Chem Dept
VOLCLAY: Bentonite—American Colloid Co
VOLCLAY: Bentonite—Whittaker, Clark, & Daniels
VOLCRENE: Boiler Treatment—Oscar Chem Products Co
VOLTOLAC: Enamels, Wire—Standard Varnish Works
VOPCOLENE: Products—Vegetable Oil Products Co
VORTEX: Pumps, Mixers—Lawrence Pump & Engrg Co
VOTATOR: Exchangers, Heat—Girdler Corp
VORTRAPS: Classifiers—Nichols Engrg & Research Corp
VUELITE: Cellulose Acetate—Monsanto Chem Co, Plastics Div
VUEPAK: Packaging Materials, Cellulose Acetate—Monsanto Chem Co, Plastics Div
VULCAN: Equipment, Distillation—Vulcan Copper & Supply Co
VULCAN: Dyes, Rubber—General Dyestuff Corp
VULCAN CORE WASH: Core Compounds—J S McCormick Co
VULCONISC: Valves, Globe—D T Williams Valve Co
VULKOR: Accelerators, Rubber—Naugatuck Chem Div
VULTAC: Alkyphenol Sulfides, Vulcanization, Rubber—Sharples Chem
VULTESOL: Vinyl, Plastic—General Latex & Chem Corp
VULTEX: Latex—General Latex & Chem Corp
VULTRAMINE: Dispersing Agents, Rubber—General Dyestuff Corp
VYCOR: Glasses—Corning Glass Works
VYKON: Products—Excelsior Varnish Works

W: Buffs—Hanson-Van Winkle-Munning Co
2-50-W: Solvents, High-Flash—Neville Co
W & A: Rouge, Buffing—Hanson-Van Winkle-Munning Co
W & T: Control Apparatus, Chlorine—Wallace & Tiernan
W D C: Dimension Controls, Wood—Paisley Products
W-K-M: Valves, Gate—W-K-M Co
WAGNER: Motors—Wagner Elec Corp
WAKEFIELD AMALGAMATED: Products—Lead Lined Iron Pipe Co
WALCO: Fittings, Threadless Bronze—Walworth Co
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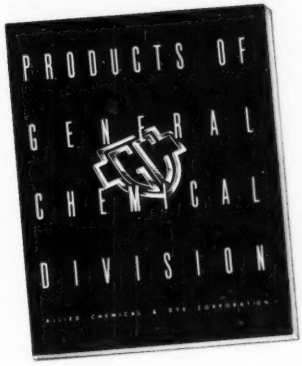
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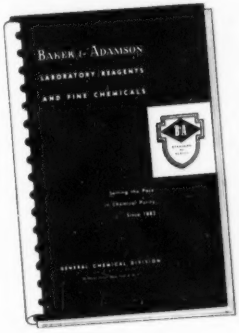


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No. 5—(Fur Fumigant No. 5)—50% Carbon Tetrachloride, 50% Ethylene Dichloride
No. 6—(Spot Fumigant No. 6)—60% Carbon Tetrachloride, 25% Ethylene Dichloride, 15% Ethylene Dibromide
No. 8—65% Carbon Tetrachloride, 30% Ethylene Dichloride, 5% Ethylene Dibromide
No. 9—80.2% Carbon Tetrachloride, 15.1% Carbon Bisulfide, 4.7% Ethylene Dibromide
METHYL BROMIDE
Shipped in cylinders and cans under pressure as a liquid—for fumigation of nurseries, greenhouses, warehouses, flour mills, railroad cars, and similar structures.
SOILFUME 60-40*‡— 42% Ethylene Dibromide, by wgt.
SOILFUME 80-20*‡— 23% Ethylene Dibromide, by wgt.
SOILFUME 85**‡— 83% Ethylene Dibromide, by wgt.
†**TRIVEX 'T'***‡— Benzene Hexachloride, Technical
†**TRIVEX G-9***‡— Benzene Hexachloride Dry Dust, 9% Gamma Isomer
†**TRIVEX W-50***‡— Benzene Hexachloride Wettable Dust, 6% Gamma Isomer

* TM Reg. U. S. Pat. Off.
** Trade-Mark
‡ Literature Available on Request

† Export and Western States
* For Delivery on West Coast Only

§ Produced by Monarch Chemical Company an affiliate of Food Machinery and Chemical Corporation

Westvaco CHEMICALS

WESTVACO CHEMICAL DIVISION
FOOD MACHINERY AND CHEMICAL CORPORATION

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